

## Cover Page

**Order ID :** P4873

**Project ID :** Scotia, NY - Annual Testing

**Client :** EA Engineering Science & Technology

### Lab Sample Number

P4873-01  
P4873-02  
P4873-03  
P4873-04  
P4873-05  
P4873-06  
P4873-07  
P4873-08  
P4873-09

### Client Sample Number

FSND-RB-4-20241114  
FSND-MW-30-20241114  
TB-2  
FSND-MW-19-20241114  
FSND-MW-32-20241114  
FSND-MW-34-20241114  
FSND-GEP-3-20241114  
FSND-MW-28-20241114  
FSND-MW-29-20241114

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: 11/28/2024

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## **CASE NARRATIVE**

### **EA Engineering Science & Technology**

**Project Name: Scotia, NY - Annual Testing**

**Project # N/A**

**Chemtech Project # P4873**

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

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

9 Water samples were received on 11/15/2024.

#### **B. Parameters**

According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Gases, TOC and VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

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

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

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

The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria.

The Internal Standards Areas met the acceptable requirements.

The Retention Times were acceptable for all samples.

The RPD met criteria .

The Blank Spike met requirements for all samples .

The Blank Spike Duplicate met requirements for all samples .

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

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

The Continuous Calibration met the requirements .

The Tuning criteria met requirements.

Samples FSND-GEP-3-20241114, FSND-MW-28-20241114 were diluted due to high concentrations.

#### **E. Additional Comments:**

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

The not QT review data is reported in the Miscellaneous.



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

The Sample #FSND-MW-34-20241114 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

**F. Manual Integration Comments:**

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

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



**ALLIANCE** 284 Sheffield Street, Mountainside New Jersey 07092  
NEW JERSEY LAB ID#: 20012; NEW YORK LAB ID#: 11376

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

CHEMTECH PROJECT NUMBER: P4873

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 %RSD is greater than 20% in the Initial Calibration method (82X1121W.M) for<br>Bromoform this compound is passing on Quadratic Regression.<br><br>The Continuous Calibration met the requirements . |    |    | ✓   |
| 6.  | Blank Contamination - If yes, list compounds and concentrations in each blank:                                                                                                                                                             |    | ✓  |     |
| 7.  | Surrogate Recoveries Meet Criteria<br><br>If not met, list those compounds and their recoveries which fall outside the acceptable<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.                                                                      |    |    | ✓   |
| 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:                                                                                                                                                 |    |    | ✓   |

**ADDITIONAL COMMENTS:**

Samples FSND-GEP-3-20241114, FSND-MW-28-20241114 were diluted due to high concentrations.

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

The not QT review data is reported in the Miscellaneous.

**ALLIANCE** 284 Sheffield Street, Mountainside New Jersey 07092

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

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

NA NO YES

The Sample #FSND-MW-34-20241114 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

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

\_\_\_\_\_  
Date

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: P4873

Completed

For thorough review, the report must have the following:

#### GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

#### COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

#### CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

#### ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: SOHIL JODHANI

Date: 11/28/2024

## LAB CHRONICLE

|                 |                                     |                   |                             |
|-----------------|-------------------------------------|-------------------|-----------------------------|
| <b>OrderID:</b> | P4873                               | <b>OrderDate:</b> | 11/15/2024 10:19:00 AM      |
| <b>Client:</b>  | EA Engineering Science & Technology | <b>Project:</b>   | Scotia, NY - Annual Testing |
| <b>Contact:</b> | Jim Hayward                         | <b>Location:</b>  | M11,VOA Ref. #3 Water       |

| LabID      | ClientID              | Matrix | Test          | Method   | Sample Date | Prep Date | Anal Date | Received |
|------------|-----------------------|--------|---------------|----------|-------------|-----------|-----------|----------|
| P4873-01   | FSND-RB-4-20241114    | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/22/24  | 11/15/24 |
| P4873-02   | FSND-MW-30-20241114   | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/25/24  | 11/15/24 |
| P4873-03   | TB-2                  | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/22/24  | 11/15/24 |
| P4873-04   | FSND-MW-19-20241114   | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/25/24  | 11/15/24 |
| P4873-05   | FSND-MW-32-20241114   | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/25/24  | 11/15/24 |
| P4873-06   | FSND-MW-34-20241114   | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/25/24  | 11/15/24 |
| P4873-07   | FSND-GEP-3-20241114   | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/25/24  | 11/15/24 |
| P4873-07DL | FSND-GEP-3-20241114DL | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/26/24  | 11/15/24 |
| P4873-08   | FSND-MW-28-20241114   | Water  | VOC-TCLVOA-10 | 8260-Low | 11/14/24    |           | 11/25/24  | 11/15/24 |

### LAB CHRONICLE

|                   |                                   |              |               |                 |                 |
|-------------------|-----------------------------------|--------------|---------------|-----------------|-----------------|
| <b>P4873-08DL</b> | <b>FSND-MW-28-202411<br/>14DL</b> | <b>Water</b> |               | <b>11/14/24</b> | <b>11/15/24</b> |
|                   |                                   |              | VOC-TCLVOA-10 | 8260-Low        | 11/26/24        |
| <b>P4873-09</b>   | <b>FSND-MW-29-202411<br/>14</b>   | <b>Water</b> |               | <b>11/14/24</b> | <b>11/15/24</b> |
|                   |                                   |              | VOC-TCLVOA-10 | 8260-Low        | 11/25/24        |

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

**SDG No.:** P4873  
**Client:** EA Engineering Science & Technology

| Sample ID         | Client ID                  | Matrix | Parameter                   | Concentration | C | MDL  | LOD  | RDL  | Units |
|-------------------|----------------------------|--------|-----------------------------|---------------|---|------|------|------|-------|
| <b>Client ID:</b> | <b>FSND-RB-4-20241114</b>  |        |                             |               |   |      |      |      |       |
| P4873-01          | FSND-RB-4-20241            | Water  | Acetone                     | 9.90          |   | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-01          | FSND-RB-4-20241            | Water  | Methylene Chloride          | 0.42          | J | 0.32 | 0.50 | 1.00 | ug/L  |
| P4873-01          | FSND-RB-4-20241            | Water  | Trichloroethene             | 0.93          | J | 0.32 | 0.75 | 1.00 | ug/L  |
| P4873-01          | FSND-RB-4-20241            | Water  | Toluene                     | 0.40          | J | 0.18 | 0.50 | 1.00 | ug/L  |
|                   |                            |        | <b>Total Voc :</b>          | 11.7          |   |      |      |      |       |
|                   |                            |        | <b>Total Concentration:</b> | 11.7          |   |      |      |      |       |
| <b>Client ID:</b> | <b>FSND-MW-30-20241114</b> |        |                             |               |   |      |      |      |       |
| P4873-02          | FSND-MW-30-202             | Water  | Acetone                     | 3.20          | J | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-02          | FSND-MW-30-202             | Water  | Trichloroethene             | 1.80          |   | 0.32 | 0.75 | 1.00 | ug/L  |
|                   |                            |        | <b>Total Voc :</b>          | 5.00          |   |      |      |      |       |
| P4873-02          | FSND-MW-30-202             | Water  | unknown1.636                | * 5.50        | J | 0    |      | 0    | ug/L  |
| P4873-02          | FSND-MW-30-202             | Water  | Butane                      | * 18.4        | J | 0    |      | 0    | ug/L  |
| P4873-02          | FSND-MW-30-202             | Water  | Pentane                     | * 8.10        | J | 0    |      | 0    | ug/L  |
|                   |                            |        | <b>Total Tics :</b>         | 32.0          |   |      |      |      |       |
|                   |                            |        | <b>Total Concentration:</b> | 37.0          |   |      |      |      |       |
| <b>Client ID:</b> | <b>TB-2</b>                |        |                             |               |   |      |      |      |       |
| P4873-03          | TB-2                       | Water  | Acetone                     | 1.60          | J | 1.40 | 3.80 | 5.00 | ug/L  |
|                   |                            |        | <b>Total Voc :</b>          | 1.60          |   |      |      |      |       |
|                   |                            |        | <b>Total Concentration:</b> | 1.60          |   |      |      |      |       |
| <b>Client ID:</b> | <b>FSND-MW-19-20241114</b> |        |                             |               |   |      |      |      |       |
| P4873-04          | FSND-MW-19-202             | Water  | Acetone                     | 1.40          | J | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-04          | FSND-MW-19-202             | Water  | Trichloroethene             | 4.90          |   | 0.32 | 0.75 | 1.00 | ug/L  |
|                   |                            |        | <b>Total Voc :</b>          | 6.30          |   |      |      |      |       |
|                   |                            |        | <b>Total Concentration:</b> | 6.30          |   |      |      |      |       |
| <b>Client ID:</b> | <b>FSND-MW-32-20241114</b> |        |                             |               |   |      |      |      |       |
| P4873-05          | FSND-MW-32-202             | Water  | Acetone                     | 3.70          | J | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-05          | FSND-MW-32-202             | Water  | cis-1,2-Dichloroethene      | 17.5          |   | 0.25 | 0.75 | 1.00 | ug/L  |
| P4873-05          | FSND-MW-32-202             | Water  | Trichloroethene             | 47.6          |   | 0.32 | 0.75 | 1.00 | ug/L  |
|                   |                            |        | <b>Total Voc :</b>          | 68.8          |   |      |      |      |       |
| P4873-05          | FSND-MW-32-202             | Water  | unknown1.605                | * 8.70        | J | 0    |      | 0    | ug/L  |
| P4873-05          | FSND-MW-32-202             | Water  | unknown1.636                | * 6.20        | J | 0    |      | 0    | ug/L  |
|                   |                            |        | <b>Total Tics :</b>         | 14.9          |   |      |      |      |       |
|                   |                            |        | <b>Total Concentration:</b> | 83.7          |   |      |      |      |       |
| <b>Client ID:</b> | <b>FSND-MW-34-20241114</b> |        |                             |               |   |      |      |      |       |
| P4873-06          | FSND-MW-34-202             | Water  | Acetone                     | 2.60          | J | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-06          | FSND-MW-34-202             | Water  | Trichloroethene             | 17.9          |   | 0.32 | 0.75 | 1.00 | ug/L  |
|                   |                            |        | <b>Total Voc :</b>          | 20.5          |   |      |      |      |       |
| P4873-06          | FSND-MW-34-202             | Water  | unknown1.599                | * 8.20        | J | 0    |      | 0    | ug/L  |

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

**SDG No.:** P4873

**Client:** EA Engineering Science & Technology

| Sample ID            | Client ID             | Matrix | Parameter                | Concentration | C | MDL  | LOD  | RDL  | Units |
|----------------------|-----------------------|--------|--------------------------|---------------|---|------|------|------|-------|
| Total Tics :         |                       |        |                          | 8.20          |   |      |      |      |       |
| Total Concentration: |                       |        |                          | 28.7          |   |      |      |      |       |
| Client ID:           | FSND-GEP-3-20241114   |        |                          |               |   |      |      |      |       |
| P4873-07             | FSND-GEP-3-2024       | Water  | Acetone                  | 1.60          | J | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-07             | FSND-GEP-3-2024       | Water  | Trichloroethene          | 150           | E | 0.32 | 0.75 | 1.00 | ug/L  |
| P4873-07             | FSND-GEP-3-2024       | Water  | Tetrachloroethene        | 0.75          | J | 0.25 | 0.50 | 1.00 | ug/L  |
| Total Voc :          |                       |        |                          | 152           |   |      |      |      |       |
| P4873-07             | FSND-GEP-3-2024       | Water  | unknown1.593             | * 7.40        | J | 0    |      | 0    | ug/L  |
| Total Tics :         |                       |        |                          | 7.40          |   |      |      |      |       |
| Total Concentration: |                       |        |                          | 160           |   |      |      |      |       |
| Client ID:           | FSND-GEP-3-20241114DL |        |                          |               |   |      |      |      |       |
| P4873-07DL           | FSND-GEP-3-2024       | Water  | Trichloroethene          | 150           | D | 1.60 | 3.80 | 5.00 | ug/L  |
| Total Voc :          |                       |        |                          | 150           |   |      |      |      |       |
| Total Concentration: |                       |        |                          | 150           |   |      |      |      |       |
| Client ID:           | FSND-MW-28-20241114   |        |                          |               |   |      |      |      |       |
| P4873-08             | FSND-MW-28-2024       | Water  | Acetone                  | 3.00          | J | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | Methylene Chloride       | 0.35          | J | 0.32 | 0.50 | 1.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | trans-1,2-Dichloroethene | 0.80          | J | 0.25 | 0.50 | 1.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | Chloroform               | 1.40          |   | 0.26 | 0.50 | 1.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | 1,1,1-Trichloroethane    | 3.50          |   | 0.19 | 0.50 | 1.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | Trichloroethene          | 250           | E | 0.32 | 0.75 | 1.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | Bromodichloromethane     | 1.70          |   | 0.24 | 0.50 | 1.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | Dibromochloromethane     | 1.70          |   | 0.18 | 0.50 | 1.00 | ug/L  |
| P4873-08             | FSND-MW-28-2024       | Water  | Tetrachloroethene        | 24.4          |   | 0.25 | 0.50 | 1.00 | ug/L  |
| Total Voc :          |                       |        |                          | 287           |   |      |      |      |       |
| Total Concentration: |                       |        |                          | 287           |   |      |      |      |       |
| Client ID:           | FSND-MW-28-20241114DL |        |                          |               |   |      |      |      |       |
| P4873-08DL           | FSND-MW-28-2024       | Water  | Trichloroethene          | 230           | D | 3.20 | 7.50 | 10.0 | ug/L  |
| P4873-08DL           | FSND-MW-28-2024       | Water  | Tetrachloroethene        | 20.7          | D | 2.50 | 5.00 | 10.0 | ug/L  |
| Total Voc :          |                       |        |                          | 251           |   |      |      |      |       |
| Total Concentration: |                       |        |                          | 251           |   |      |      |      |       |
| Client ID:           | FSND-MW-29-20241114   |        |                          |               |   |      |      |      |       |
| P4873-09             | FSND-MW-29-2024       | Water  | Acetone                  | 13.7          |   | 1.40 | 3.80 | 5.00 | ug/L  |
| P4873-09             | FSND-MW-29-2024       | Water  | Methylene Chloride       | 0.41          | J | 0.32 | 0.50 | 1.00 | ug/L  |
| P4873-09             | FSND-MW-29-2024       | Water  | trans-1,2-Dichloroethene | 0.39          | J | 0.25 | 0.50 | 1.00 | ug/L  |
| P4873-09             | FSND-MW-29-2024       | Water  | cis-1,2-Dichloroethene   | 3.30          |   | 0.25 | 0.75 | 1.00 | ug/L  |
| P4873-09             | FSND-MW-29-2024       | Water  | Chloroform               | 0.77          | J | 0.26 | 0.50 | 1.00 | ug/L  |
| P4873-09             | FSND-MW-29-2024       | Water  | 1,1,1-Trichloroethane    | 3.00          |   | 0.19 | 0.50 | 1.00 | ug/L  |
| P4873-09             | FSND-MW-29-2024       | Water  | Trichloroethene          | 140           |   | 0.32 | 0.75 | 1.00 | ug/L  |

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

**SDG No.:** P4873

**Client:** EA Engineering Science & Technology

| Sample ID                   | Client ID      | Matrix | Parameter            | Concentration | C | MDL  | LOD  | RDL  | Units |
|-----------------------------|----------------|--------|----------------------|---------------|---|------|------|------|-------|
| P4873-09                    | FSND-MW-29-202 | Water  | Bromodichloromethane | 0.77          | J | 0.24 | 0.50 | 1.00 | ug/L  |
| P4873-09                    | FSND-MW-29-202 | Water  | Dibromochloromethane | 0.73          | J | 0.18 | 0.50 | 1.00 | ug/L  |
| P4873-09                    | FSND-MW-29-202 | Water  | Tetrachloroethene    | 11.0          |   | 0.25 | 0.50 | 1.00 | ug/L  |
| <b>Total Voc :</b>          |                |        |                      | <b>174</b>    |   |      |      |      |       |
| <b>Total Concentration:</b> |                |        |                      | <b>174</b>    |   |      |      |      |       |





# QC SUMMARY

## Surrogate Summary

SDG No.: **P4873**

Client: **EA Engineering Science & Technology**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID             | Parameter             | Spike | Result | RecoveryQual | Limits |      |
|---------------|-----------------------|-----------------------|-------|--------|--------------|--------|------|
|               |                       |                       |       |        |              | Low    | High |
| P4873-01      | FSND-RB-4-20241114    | 1,2-Dichloroethane-d4 | 50    | 52.3   | 105          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 45.9   | 92           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 50.0   | 100          | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 48.5   | 97           | 85     | 114  |
| P4873-02      | FSND-MW-30-20241114   | 1,2-Dichloroethane-d4 | 50    | 49.8   | 100          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 47.2   | 94           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.7   | 99           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 47.7   | 95           | 85     | 114  |
| P4873-03      | TB-2                  | 1,2-Dichloroethane-d4 | 50    | 50.4   | 101          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 45.1   | 90           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 48.2   | 96           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 47.7   | 95           | 85     | 114  |
| P4873-04      | FSND-MW-19-20241114   | 1,2-Dichloroethane-d4 | 50    | 51.6   | 103          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 46.9   | 94           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.2   | 98           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 46.0   | 92           | 85     | 114  |
| P4873-05      | FSND-MW-32-20241114   | 1,2-Dichloroethane-d4 | 50    | 50.4   | 101          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 47.8   | 96           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.5   | 99           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 47.1   | 94           | 85     | 114  |
| P4873-06      | FSND-MW-34-20241114   | 1,2-Dichloroethane-d4 | 50    | 48.7   | 97           | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 46.7   | 93           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.6   | 99           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 47.2   | 94           | 85     | 114  |
| P4873-07      | FSND-GEP-3-20241114   | 1,2-Dichloroethane-d4 | 50    | 49.0   | 98           | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 48.6   | 97           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 50.0   | 100          | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 48.5   | 97           | 85     | 114  |
| P4873-07DL    | FSND-GEP-3-20241114DL | 1,2-Dichloroethane-d4 | 50    | 50.1   | 100          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 46.6   | 93           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.9   | 100          | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 48.5   | 97           | 85     | 114  |
| P4873-08      | FSND-MW-28-20241114   | 1,2-Dichloroethane-d4 | 50    | 50.9   | 102          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 47.1   | 94           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 50.9   | 102          | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 45.9   | 92           | 85     | 114  |
| P4873-08DL    | FSND-MW-28-20241114DL | 1,2-Dichloroethane-d4 | 50    | 50.7   | 101          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 46.5   | 93           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 50.1   | 100          | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 49.1   | 98           | 85     | 114  |
| P4873-09      | FSND-MW-29-20241114   | 1,2-Dichloroethane-d4 | 50    | 50.3   | 101          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 47.6   | 95           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 49.4   | 99           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 48.7   | 97           | 85     | 114  |
| VX1122WBL01   | VX1122WBL01           | 1,2-Dichloroethane-d4 | 50    | 50.7   | 101          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 46.6   | 93           | 80     | 119  |
|               |                       | Toluene-d8            | 50    | 48.7   | 97           | 89     | 112  |
|               |                       | 4-Bromofluorobenzene  | 50    | 47.9   | 96           | 85     | 114  |
| VX1122WBS01   | VX1122WBS01           | 1,2-Dichloroethane-d4 | 50    | 54.0   | 108          | 81     | 118  |
|               |                       | Dibromofluoromethane  | 50    | 50.5   | 101          | 80     | 119  |

## Surrogate Summary

SDG No.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | RecoveryQual | Limits |      |
|---------------|--------------|-----------------------|-------|--------|--------------|--------|------|
|               |              |                       |       |        |              | Low    | High |
| VX1122WBS01   | VX1122WBS01  | Toluene-d8            | 50    | 50.9   | 102          | 89     | 112  |
|               |              | 4-Bromofluorobenzene  | 50    | 50.4   | 101          | 85     | 114  |
| VX1122WBSD0   | VX1122WBSD01 | 1,2-Dichloroethane-d4 | 50    | 53.6   | 107          | 81     | 118  |
|               |              | Dibromofluoromethane  | 50    | 51.5   | 103          | 80     | 119  |
|               |              | Toluene-d8            | 50    | 52.0   | 104          | 89     | 112  |
|               |              | 4-Bromofluorobenzene  | 50    | 52.7   | 105          | 85     | 114  |
| VX1125WBL01   | VX1125WBL01  | 1,2-Dichloroethane-d4 | 50    | 52.0   | 104          | 81     | 118  |
|               |              | Dibromofluoromethane  | 50    | 47.2   | 94           | 80     | 119  |
|               |              | Toluene-d8            | 50    | 51.6   | 103          | 89     | 112  |
|               |              | 4-Bromofluorobenzene  | 50    | 50.7   | 101          | 85     | 114  |
| VX1125WBS01   | VX1125WBS01  | 1,2-Dichloroethane-d4 | 50    | 50.6   | 101          | 81     | 118  |
|               |              | Dibromofluoromethane  | 50    | 49.4   | 99           | 80     | 119  |
|               |              | Toluene-d8            | 50    | 48.8   | 98           | 89     | 112  |
|               |              | 4-Bromofluorobenzene  | 50    | 47.3   | 95           | 85     | 114  |
| VX1126WBL01   | VX1126WBL01  | 1,2-Dichloroethane-d4 | 50    | 50.3   | 101          | 81     | 118  |
|               |              | Dibromofluoromethane  | 50    | 47.7   | 95           | 80     | 119  |
|               |              | Toluene-d8            | 50    | 50.3   | 101          | 89     | 112  |
|               |              | 4-Bromofluorobenzene  | 50    | 46.7   | 93           | 85     | 114  |
| VX1126WBS01   | VX1126WBS01  | 1,2-Dichloroethane-d4 | 50    | 50.5   | 101          | 81     | 118  |
|               |              | Dibromofluoromethane  | 50    | 48.4   | 97           | 80     | 119  |
|               |              | Toluene-d8            | 50    | 49.2   | 98           | 89     | 112  |
|               |              | 4-Bromofluorobenzene  | 50    | 49.1   | 98           | 85     | 114  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VX043953.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1122WBS01   | Dichlorodifluoromethane        | 20    | 20.0   | ug/L | 100 |     |      | 32  | 152            |     |
|               | Chloromethane                  | 20    | 20.8   | ug/L | 104 |     |      | 50  | 139            |     |
|               | Vinyl chloride                 | 20    | 20.8   | ug/L | 104 |     |      | 58  | 137            |     |
|               | Bromomethane                   | 20    | 21.5   | ug/L | 108 |     |      | 53  | 141            |     |
|               | Chloroethane                   | 20    | 23.4   | ug/L | 117 |     |      | 60  | 138            |     |
|               | Trichlorofluoromethane         | 20    | 19.5   | ug/L | 98  |     |      | 65  | 141            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.4   | ug/L | 102 |     |      | 70  | 136            |     |
|               | 1,1-Dichloroethene             | 20    | 20.4   | ug/L | 102 |     |      | 71  | 131            |     |
|               | Acetone                        | 100   | 99.9   | ug/L | 100 |     |      | 39  | 160            |     |
|               | Carbon disulfide               | 20    | 17.0   | ug/L | 85  |     |      | 64  | 133            |     |
|               | Methyl tert-butyl Ether        | 20    | 21.5   | ug/L | 108 |     |      | 71  | 124            |     |
|               | Methyl Acetate                 | 20    | 20.5   | ug/L | 103 |     |      | 56  | 136            |     |
|               | Methylene Chloride             | 20    | 20.7   | ug/L | 104 |     |      | 74  | 124            |     |
|               | trans-1,2-Dichloroethene       | 20    | 20.9   | ug/L | 104 |     |      | 75  | 124            |     |
|               | 1,1-Dichloroethane             | 20    | 21.2   | ug/L | 106 |     |      | 77  | 125            |     |
|               | Cyclohexane                    | 20    | 19.9   | ug/L | 100 |     |      | 71  | 130            |     |
|               | 2-Butanone                     | 100   | 100    | ug/L | 100 |     |      | 56  | 143            |     |
|               | Carbon Tetrachloride           | 20    | 18.9   | ug/L | 95  |     |      | 72  | 136            |     |
|               | cis-1,2-Dichloroethene         | 20    | 20.8   | ug/L | 104 |     |      | 78  | 123            |     |
|               | Bromochloromethane             | 20    | 19.8   | ug/L | 99  |     |      | 78  | 123            |     |
|               | Chloroform                     | 20    | 21.6   | ug/L | 108 |     |      | 79  | 124            |     |
|               | 1,1,1-Trichloroethane          | 20    | 21.4   | ug/L | 107 |     |      | 74  | 131            |     |
|               | Methylcyclohexane              | 20    | 18.6   | ug/L | 93  |     |      | 72  | 132            |     |
|               | Benzene                        | 20    | 20.3   | ug/L | 102 |     |      | 79  | 120            |     |
|               | 1,2-Dichloroethane             | 20    | 20.7   | ug/L | 104 |     |      | 73  | 128            |     |
|               | Trichloroethene                | 20    | 17.0   | ug/L | 85  |     |      | 79  | 123            |     |
|               | 1,2-Dichloropropane            | 20    | 21.0   | ug/L | 105 |     |      | 78  | 122            |     |
|               | Bromodichloromethane           | 20    | 19.9   | ug/L | 100 |     |      | 79  | 125            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 100    | ug/L | 100 |     |      | 67  | 130            |     |
|               | Toluene                        | 20    | 20.4   | ug/L | 102 |     |      | 80  | 121            |     |
|               | t-1,3-Dichloropropene          | 20    | 20.0   | ug/L | 100 |     |      | 73  | 127            |     |
|               | cis-1,3-Dichloropropene        | 20    | 19.6   | ug/L | 98  |     |      | 75  | 124            |     |
|               | 1,1,2-Trichloroethane          | 20    | 20.1   | ug/L | 101 |     |      | 80  | 119            |     |
|               | 2-Hexanone                     | 100   | 100    | ug/L | 100 |     |      | 57  | 139            |     |
|               | Dibromochloromethane           | 20    | 18.7   | ug/L | 94  |     |      | 74  | 126            |     |
|               | 1,2-Dibromoethane              | 20    | 20.5   | ug/L | 103 |     |      | 77  | 121            |     |
|               | Tetrachloroethene              | 20    | 20.3   | ug/L | 102 |     |      | 74  | 129            |     |
|               | Chlorobenzene                  | 20    | 19.9   | ug/L | 100 |     |      | 82  | 118            |     |
|               | Ethyl Benzene                  | 20    | 20.4   | ug/L | 102 |     |      | 79  | 121            |     |
|               | m/p-Xylenes                    | 40    | 40.3   | ug/L | 101 |     |      | 80  | 121            |     |
|               | o-Xylene                       | 20    | 20.7   | ug/L | 104 |     |      | 78  | 122            |     |
|               | Styrene                        | 20    | 20.6   | ug/L | 103 |     |      | 78  | 123            |     |
|               | Bromoform                      | 20    | 16.9   | ug/L | 85  |     |      | 66  | 130            |     |
|               | Isopropylbenzene               | 20    | 21.1   | ug/L | 106 |     |      | 72  | 131            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 21.6   | ug/L | 108 |     |      | 71  | 121            |     |
|               | 1,3-Dichlorobenzene            | 20    | 20.6   | ug/L | 103 |     |      | 80  | 119            |     |
|               | 1,4-Dichlorobenzene            | 20    | 20.0   | ug/L | 100 |     |      | 79  | 118            |     |
|               | 1,2-Dichlorobenzene            | 20    | 20.7   | ug/L | 104 |     |      | 80  | 119            |     |

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

**SW-846**

**SDG No.:** P4873

**Client:** EA Engineering Science & Technology

**Analytical Method:** SW8260-Low

**Datafile :** VX043953.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |      |     |     |      |     | High   |     |
| VX1122WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 17.4   | ug/L | 87  |     |      | 62  | 128    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.5   | ug/L | 98  |     |      | 69  | 130    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 20.2   | ug/L | 101 |     |      | 69  | 129    |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VX043954.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1122WBSD01  | Dichlorodifluoromethane        | 20    | 20.1   | ug/L | 101 | 1   |      | 32  | 152            | 20  |
|               | Chloromethane                  | 20    | 20.4   | ug/L | 102 | 2   |      | 50  | 139            | 20  |
|               | Vinyl chloride                 | 20    | 20.4   | ug/L | 102 | 2   |      | 58  | 137            | 20  |
|               | Bromomethane                   | 20    | 21.3   | ug/L | 106 | 2   |      | 53  | 141            | 20  |
|               | Chloroethane                   | 20    | 22.7   | ug/L | 114 | 3   |      | 60  | 138            | 20  |
|               | Trichlorofluoromethane         | 20    | 21.8   | ug/L | 109 | 11  |      | 65  | 141            | 20  |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 21.1   | ug/L | 106 | 4   |      | 70  | 136            | 20  |
|               | 1,1-Dichloroethene             | 20    | 19.2   | ug/L | 96  | 6   |      | 71  | 131            | 20  |
|               | Acetone                        | 100   | 100    | ug/L | 100 | 0   |      | 39  | 160            | 20  |
|               | Carbon disulfide               | 20    | 16.9   | ug/L | 85  | 0   |      | 64  | 133            | 20  |
|               | Methyl tert-butyl Ether        | 20    | 21.6   | ug/L | 108 | 0   |      | 71  | 124            | 20  |
|               | Methyl Acetate                 | 20    | 21.5   | ug/L | 108 | 5   |      | 56  | 136            | 20  |
|               | Methylene Chloride             | 20    | 20.3   | ug/L | 102 | 2   |      | 74  | 124            | 20  |
|               | trans-1,2-Dichloroethene       | 20    | 20.3   | ug/L | 102 | 2   |      | 75  | 124            | 20  |
|               | 1,1-Dichloroethane             | 20    | 20.7   | ug/L | 104 | 2   |      | 77  | 125            | 20  |
|               | Cyclohexane                    | 20    | 20.9   | ug/L | 104 | 4   |      | 71  | 130            | 20  |
|               | 2-Butanone                     | 100   | 110    | ug/L | 110 | 10  |      | 56  | 143            | 20  |
|               | Carbon Tetrachloride           | 20    | 19.9   | ug/L | 100 | 5   |      | 72  | 136            | 20  |
|               | cis-1,2-Dichloroethene         | 20    | 20.4   | ug/L | 102 | 2   |      | 78  | 123            | 20  |
|               | Bromochloromethane             | 20    | 19.8   | ug/L | 99  | 0   |      | 78  | 123            | 20  |
|               | Chloroform                     | 20    | 21.3   | ug/L | 106 | 2   |      | 79  | 124            | 20  |
|               | 1,1,1-Trichloroethane          | 20    | 20.7   | ug/L | 104 | 3   |      | 74  | 131            | 20  |
|               | Methylcyclohexane              | 20    | 20.5   | ug/L | 103 | 10  |      | 72  | 132            | 20  |
|               | Benzene                        | 20    | 20.7   | ug/L | 104 | 2   |      | 79  | 120            | 20  |
|               | 1,2-Dichloroethane             | 20    | 21.2   | ug/L | 106 | 2   |      | 73  | 128            | 20  |
|               | Trichloroethene                | 20    | 17.4   | ug/L | 87  | 2   |      | 79  | 123            | 20  |
|               | 1,2-Dichloropropane            | 20    | 21.4   | ug/L | 107 | 2   |      | 78  | 122            | 20  |
|               | Bromodichloromethane           | 20    | 20.5   | ug/L | 103 | 3   |      | 79  | 125            | 20  |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/L | 110 | 10  |      | 67  | 130            | 20  |
|               | Toluene                        | 20    | 21.4   | ug/L | 107 | 5   |      | 80  | 121            | 20  |
|               | t-1,3-Dichloropropene          | 20    | 20.3   | ug/L | 102 | 2   |      | 73  | 127            | 20  |
|               | cis-1,3-Dichloropropene        | 20    | 20.6   | ug/L | 103 | 5   |      | 75  | 124            | 20  |
|               | 1,1,2-Trichloroethane          | 20    | 20.7   | ug/L | 104 | 3   |      | 80  | 119            | 20  |
|               | 2-Hexanone                     | 100   | 110    | ug/L | 110 | 10  |      | 57  | 139            | 20  |
|               | Dibromochloromethane           | 20    | 19.1   | ug/L | 96  | 2   |      | 74  | 126            | 20  |
|               | 1,2-Dibromoethane              | 20    | 21.9   | ug/L | 110 | 7   |      | 77  | 121            | 20  |
|               | Tetrachloroethene              | 20    | 20.7   | ug/L | 104 | 2   |      | 74  | 129            | 20  |
|               | Chlorobenzene                  | 20    | 19.9   | ug/L | 100 | 0   |      | 82  | 118            | 20  |
|               | Ethyl Benzene                  | 20    | 20.4   | ug/L | 102 | 0   |      | 79  | 121            | 20  |
|               | m/p-Xylenes                    | 40    | 40.9   | ug/L | 102 | 1   |      | 80  | 121            | 20  |
|               | o-Xylene                       | 20    | 20.9   | ug/L | 104 | 0   |      | 78  | 122            | 20  |
|               | Styrene                        | 20    | 20.5   | ug/L | 103 | 0   |      | 78  | 123            | 20  |
|               | Bromoform                      | 20    | 17.5   | ug/L | 88  | 3   |      | 66  | 130            | 20  |
|               | Isopropylbenzene               | 20    | 20.6   | ug/L | 103 | 3   |      | 72  | 131            | 20  |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 21.9   | ug/L | 110 | 2   |      | 71  | 121            | 20  |
|               | 1,3-Dichlorobenzene            | 20    | 20.1   | ug/L | 101 | 2   |      | 80  | 119            | 20  |
|               | 1,4-Dichlorobenzene            | 20    | 20.1   | ug/L | 101 | 1   |      | 79  | 118            | 20  |
|               | 1,2-Dichlorobenzene            | 20    | 20.7   | ug/L | 104 | 0   |      | 80  | 119            | 20  |

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

**SW-846**

**SDG No.:** P4873

**Client:** EA Engineering Science & Technology

**Analytical Method:** SW8260-Low

**Datafile :** VX043954.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |      |     |     |      |     | High   |     |
| VX1122WBSD01  | 1,2-Dibromo-3-Chloropropane | 20    | 20.0   | ug/L | 100 | 14  |      | 62  | 128    | 20  |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.9   | ug/L | 95  | 3   |      | 69  | 130    | 20  |
|               | 1,2,3-Trichlorobenzene      | 20    | 19.2   | ug/L | 96  | 5   |      | 69  | 129    | 20  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4873

Client: EA Engineering Science & Technology

Analytical Method: SW8260-Low

Datafile : VX043980.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1125WBS01   | Dichlorodifluoromethane        | 20    | 17.0   | ug/L | 85  |     |      | 32  | 152            |     |
|               | Chloromethane                  | 20    | 18.3   | ug/L | 92  |     |      | 50  | 139            |     |
|               | Vinyl chloride                 | 20    | 17.5   | ug/L | 88  |     |      | 58  | 137            |     |
|               | Bromomethane                   | 20    | 20.6   | ug/L | 103 |     |      | 53  | 141            |     |
|               | Chloroethane                   | 20    | 19.4   | ug/L | 97  |     |      | 60  | 138            |     |
|               | Trichlorofluoromethane         | 20    | 19.0   | ug/L | 95  |     |      | 65  | 141            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 17.5   | ug/L | 88  |     |      | 70  | 136            |     |
|               | 1,1-Dichloroethene             | 20    | 17.2   | ug/L | 86  |     |      | 71  | 131            |     |
|               | Acetone                        | 100   | 87.8   | ug/L | 88  |     |      | 39  | 160            |     |
|               | Carbon disulfide               | 20    | 15.0   | ug/L | 75  |     |      | 64  | 133            |     |
|               | Methyl tert-butyl Ether        | 20    | 19.0   | ug/L | 95  |     |      | 71  | 124            |     |
|               | Methyl Acetate                 | 20    | 18.3   | ug/L | 92  |     |      | 56  | 136            |     |
|               | Methylene Chloride             | 20    | 17.8   | ug/L | 89  |     |      | 74  | 124            |     |
|               | trans-1,2-Dichloroethene       | 20    | 17.9   | ug/L | 90  |     |      | 75  | 124            |     |
|               | 1,1-Dichloroethane             | 20    | 19.3   | ug/L | 97  |     |      | 77  | 125            |     |
|               | Cyclohexane                    | 20    | 17.9   | ug/L | 90  |     |      | 71  | 130            |     |
|               | 2-Butanone                     | 100   | 91.3   | ug/L | 91  |     |      | 56  | 143            |     |
|               | Carbon Tetrachloride           | 20    | 17.8   | ug/L | 89  |     |      | 72  | 136            |     |
|               | cis-1,2-Dichloroethene         | 20    | 18.7   | ug/L | 94  |     |      | 78  | 123            |     |
|               | Bromochloromethane             | 20    | 21.3   | ug/L | 106 |     |      | 78  | 123            |     |
|               | Chloroform                     | 20    | 19.5   | ug/L | 98  |     |      | 79  | 124            |     |
|               | 1,1,1-Trichloroethane          | 20    | 19.3   | ug/L | 97  |     |      | 74  | 131            |     |
|               | Methylcyclohexane              | 20    | 17.0   | ug/L | 85  |     |      | 72  | 132            |     |
|               | Benzene                        | 20    | 18.8   | ug/L | 94  |     |      | 79  | 120            |     |
|               | 1,2-Dichloroethane             | 20    | 19.1   | ug/L | 96  |     |      | 73  | 128            |     |
|               | Trichloroethene                | 20    | 16.1   | ug/L | 81  |     |      | 79  | 123            |     |
|               | 1,2-Dichloropropane            | 20    | 19.8   | ug/L | 99  |     |      | 78  | 122            |     |
|               | Bromodichloromethane           | 20    | 18.8   | ug/L | 94  |     |      | 79  | 125            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 92.4   | ug/L | 92  |     |      | 67  | 130            |     |
|               | Toluene                        | 20    | 19.1   | ug/L | 96  |     |      | 80  | 121            |     |
|               | t-1,3-Dichloropropene          | 20    | 18.2   | ug/L | 91  |     |      | 73  | 127            |     |
|               | cis-1,3-Dichloropropene        | 20    | 18.6   | ug/L | 93  |     |      | 75  | 124            |     |
|               | 1,1,2-Trichloroethane          | 20    | 18.7   | ug/L | 94  |     |      | 80  | 119            |     |
|               | 2-Hexanone                     | 100   | 90.6   | ug/L | 91  |     |      | 57  | 139            |     |
|               | Dibromochloromethane           | 20    | 17.9   | ug/L | 90  |     |      | 74  | 126            |     |
|               | 1,2-Dibromoethane              | 20    | 18.5   | ug/L | 93  |     |      | 77  | 121            |     |
|               | Tetrachloroethene              | 20    | 18.1   | ug/L | 91  |     |      | 74  | 129            |     |
|               | Chlorobenzene                  | 20    | 18.6   | ug/L | 93  |     |      | 82  | 118            |     |
|               | Ethyl Benzene                  | 20    | 18.6   | ug/L | 93  |     |      | 79  | 121            |     |
|               | m/p-Xylenes                    | 40    | 37.3   | ug/L | 93  |     |      | 80  | 121            |     |
|               | o-Xylene                       | 20    | 18.7   | ug/L | 94  |     |      | 78  | 122            |     |
|               | Styrene                        | 20    | 18.6   | ug/L | 93  |     |      | 78  | 123            |     |
|               | Bromoform                      | 20    | 16.0   | ug/L | 80  |     |      | 66  | 130            |     |
|               | Isopropylbenzene               | 20    | 19.0   | ug/L | 95  |     |      | 72  | 131            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.1   | ug/L | 96  |     |      | 71  | 121            |     |
|               | 1,3-Dichlorobenzene            | 20    | 18.6   | ug/L | 93  |     |      | 80  | 119            |     |
|               | 1,4-Dichlorobenzene            | 20    | 18.5   | ug/L | 93  |     |      | 79  | 118            |     |
|               | 1,2-Dichlorobenzene            | 20    | 18.9   | ug/L | 95  |     |      | 80  | 119            |     |



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

**SW-846**

**SDG No.:** P4873

**Client:** EA Engineering Science & Technology

**Analytical Method:** SW8260-Low

**Datafile :** VX043980.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1125WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 16.5   | ug/L | 83  |     |      | 62  | 128            |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 17.2   | ug/L | 86  |     |      | 69  | 130            |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 17.9   | ug/L | 90  |     |      | 69  | 129            |     |

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

**SW-846**

**SDG No.:** P4873

**Client:** EA Engineering Science & Technology

**Analytical Method:** SW8260-Low

**Datafile :** VX044007.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX1126WBS01   | Dichlorodifluoromethane        | 20    | 18.0   | ug/L | 90  |     |      | 32  | 152            |     |
|               | Chloromethane                  | 20    | 18.8   | ug/L | 94  |     |      | 50  | 139            |     |
|               | Vinyl chloride                 | 20    | 18.6   | ug/L | 93  |     |      | 58  | 137            |     |
|               | Bromomethane                   | 20    | 19.0   | ug/L | 95  |     |      | 53  | 141            |     |
|               | Chloroethane                   | 20    | 21.8   | ug/L | 109 |     |      | 60  | 138            |     |
|               | Trichlorofluoromethane         | 20    | 19.5   | ug/L | 98  |     |      | 65  | 141            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 18.4   | ug/L | 92  |     |      | 70  | 136            |     |
|               | 1,1-Dichloroethene             | 20    | 18.1   | ug/L | 91  |     |      | 71  | 131            |     |
|               | Acetone                        | 100   | 96.5   | ug/L | 97  |     |      | 39  | 160            |     |
|               | Carbon disulfide               | 20    | 15.0   | ug/L | 75  |     |      | 64  | 133            |     |
|               | Methyl tert-butyl Ether        | 20    | 19.9   | ug/L | 100 |     |      | 71  | 124            |     |
|               | Methyl Acetate                 | 20    | 19.4   | ug/L | 97  |     |      | 56  | 136            |     |
|               | Methylene Chloride             | 20    | 19.5   | ug/L | 98  |     |      | 74  | 124            |     |
|               | trans-1,2-Dichloroethene       | 20    | 18.5   | ug/L | 93  |     |      | 75  | 124            |     |
|               | 1,1-Dichloroethane             | 20    | 19.9   | ug/L | 100 |     |      | 77  | 125            |     |
|               | Cyclohexane                    | 20    | 18.0   | ug/L | 90  |     |      | 71  | 130            |     |
|               | 2-Butanone                     | 100   | 97.1   | ug/L | 97  |     |      | 56  | 143            |     |
|               | Carbon Tetrachloride           | 20    | 18.0   | ug/L | 90  |     |      | 72  | 136            |     |
|               | cis-1,2-Dichloroethene         | 20    | 19.3   | ug/L | 97  |     |      | 78  | 123            |     |
|               | Bromochloromethane             | 20    | 19.1   | ug/L | 96  |     |      | 78  | 123            |     |
|               | Chloroform                     | 20    | 20.4   | ug/L | 102 |     |      | 79  | 124            |     |
|               | 1,1,1-Trichloroethane          | 20    | 20.1   | ug/L | 101 |     |      | 74  | 131            |     |
|               | Methylcyclohexane              | 20    | 17.3   | ug/L | 86  |     |      | 72  | 132            |     |
|               | Benzene                        | 20    | 19.4   | ug/L | 97  |     |      | 79  | 120            |     |
|               | 1,2-Dichloroethane             | 20    | 19.4   | ug/L | 97  |     |      | 73  | 128            |     |
|               | Trichloroethene                | 20    | 17.2   | ug/L | 86  |     |      | 79  | 123            |     |
|               | 1,2-Dichloropropane            | 20    | 20.0   | ug/L | 100 |     |      | 78  | 122            |     |
|               | Bromodichloromethane           | 20    | 19.6   | ug/L | 98  |     |      | 79  | 125            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 100    | ug/L | 100 |     |      | 67  | 130            |     |
|               | Toluene                        | 20    | 19.8   | ug/L | 99  |     |      | 80  | 121            |     |
|               | t-1,3-Dichloropropene          | 20    | 19.1   | ug/L | 96  |     |      | 73  | 127            |     |
|               | cis-1,3-Dichloropropene        | 20    | 18.7   | ug/L | 94  |     |      | 75  | 124            |     |
|               | 1,1,2-Trichloroethane          | 20    | 19.8   | ug/L | 99  |     |      | 80  | 119            |     |
|               | 2-Hexanone                     | 100   | 99.3   | ug/L | 99  |     |      | 57  | 139            |     |
|               | Dibromochloromethane           | 20    | 18.6   | ug/L | 93  |     |      | 74  | 126            |     |
|               | 1,2-Dibromoethane              | 20    | 19.8   | ug/L | 99  |     |      | 77  | 121            |     |
|               | Tetrachloroethene              | 20    | 19.6   | ug/L | 98  |     |      | 74  | 129            |     |
|               | Chlorobenzene                  | 20    | 18.7   | ug/L | 94  |     |      | 82  | 118            |     |
|               | Ethyl Benzene                  | 20    | 19.3   | ug/L | 97  |     |      | 79  | 121            |     |
|               | m/p-Xylenes                    | 40    | 38.5   | ug/L | 96  |     |      | 80  | 121            |     |
|               | o-Xylene                       | 20    | 19.7   | ug/L | 99  |     |      | 78  | 122            |     |
|               | Styrene                        | 20    | 19.6   | ug/L | 98  |     |      | 78  | 123            |     |
|               | Bromoform                      | 20    | 17.6   | ug/L | 88  |     |      | 66  | 130            |     |
|               | Isopropylbenzene               | 20    | 19.7   | ug/L | 99  |     |      | 72  | 131            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 20.6   | ug/L | 103 |     |      | 71  | 121            |     |
|               | 1,3-Dichlorobenzene            | 20    | 19.0   | ug/L | 95  |     |      | 80  | 119            |     |
|               | 1,4-Dichlorobenzene            | 20    | 18.5   | ug/L | 93  |     |      | 79  | 118            |     |
|               | 1,2-Dichlorobenzene            | 20    | 19.3   | ug/L | 97  |     |      | 80  | 119            |     |

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

**SW-846**

**SDG No.:** P4873

**Client:** EA Engineering Science & Technology

**Analytical Method:** SW8260-Low

**Datafile :** VX044007.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |      |     |     |      |     | High   |     |
| VX1126WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 18.4   | ug/L | 92  |     |      | 62  | 128    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 18.1   | ug/L | 91  |     |      | 69  | 130    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 18.1   | ug/L | 91  |     |      | 69  | 129    |     |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1122WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: P4873

SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043952.D

Lab Sample ID: VX1122WBL01

Date Analyzed: 11/22/2024

Time Analyzed: 12:13

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

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

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|--------------------|------------------|----------------|------------------|
| VX1122WBS01        | VX1122WBS01      | VX043953.D     | 11/22/2024       |
| VX1122WBSD01       | VX1122WBSD01     | VX043954.D     | 11/22/2024       |
| FSND-RB-4-20241114 | P4873-01         | VX043971.D     | 11/22/2024       |
| TB-2               | P4873-03         | VX043972.D     | 11/22/2024       |

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1125WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: P4873

SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX043979.D

Lab Sample ID: VX1125WBL01

Date Analyzed: 11/25/2024

Time Analyzed: 12:18

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 |
|---------------------|------------------|----------------|------------------|
| VX1125WBS01         | VX1125WBS01      | VX043980.D     | 11/25/2024       |
| FSND-MW-30-20241114 | P4873-02         | VX043988.D     | 11/25/2024       |
| FSND-MW-19-20241114 | P4873-04         | VX043989.D     | 11/25/2024       |
| FSND-MW-32-20241114 | P4873-05         | VX043990.D     | 11/25/2024       |
| FSND-MW-34-20241114 | P4873-06         | VX043991.D     | 11/25/2024       |
| FSND-GEP-3-20241114 | P4873-07         | VX043992.D     | 11/25/2024       |
| FSND-MW-28-20241114 | P4873-08         | VX043993.D     | 11/25/2024       |
| FSND-MW-29-20241114 | P4873-09         | VX043994.D     | 11/25/2024       |

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

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX1126WBL01

Lab Name: CHEMTECH

Contract: EAEN05

Lab Code: CHEM Case No.: P4873

SAS No.: P4873 SDG NO.: P4873

Lab File ID: VX044006.D

Lab Sample ID: VX1126WBL01

Date Analyzed: 11/26/2024

Time Analyzed: 10:54

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 |
|-----------------------|------------------|----------------|------------------|
| VX1126WBS01           | VX1126WBS01      | VX044007.D     | 11/26/2024       |
| FSND-GEP-3-20241114DL | P4873-07DL       | VX044012.D     | 11/26/2024       |
| FSND-MW-28-20241114DL | P4873-08DL       | VX044013.D     | 11/26/2024       |

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: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX043924.D BFB Injection Date: 11/21/2024  
Instrument ID: MSVOA\_X BFB Injection Time: 08:51  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC001         | VSTDIC001        | VX043925.D     | 11/21/2024       | 09:47            |
| VSTDIC005         | VSTDIC005        | VX043926.D     | 11/21/2024       | 10:14            |
| VSTDIC020         | VSTDIC020        | VX043927.D     | 11/21/2024       | 10:37            |
| VSTDIC050         | VSTDIC050        | VX043928.D     | 11/21/2024       | 11:17            |
| VSTDIC100         | VSTDIC100        | VX043929.D     | 11/21/2024       | 11:40            |
| VSTDIC150         | VSTDIC150        | VX043930.D     | 11/21/2024       | 12:03            |



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX043949.D BFB Injection Date: 11/22/2024  
Instrument ID: MSVOA\_X BFB Injection Time: 10:54  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO.  | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|--------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050         | VSTDCCC050       | VX043950.D     | 11/22/2024       | 11:22            |
| VX1122WBL01        | VX1122WBL01      | VX043952.D     | 11/22/2024       | 12:13            |
| VX1122WBS01        | VX1122WBS01      | VX043953.D     | 11/22/2024       | 12:36            |
| VX1122WBSD01       | VX1122WBSD01     | VX043954.D     | 11/22/2024       | 13:02            |
| FSND-RB-4-20241114 | P4873-01         | VX043971.D     | 11/22/2024       | 19:33            |
| TB-2               | P4873-03         | VX043972.D     | 11/22/2024       | 19:56            |
| VSTDCCC050EC       | VSTDCCC050       | VX043975.D     | 11/22/2024       | 21:05            |





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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX043976.D BFB Injection Date: 11/25/2024  
Instrument ID: MSVOA\_X BFB Injection Time: 10:59  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 22.3                 |
| 75  | 30.0 - 60.0% of mass 95            | 58.2                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 7.5                  |
| 173 | Less than 2.0% of mass 174         | 0.6 ( 0.8 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 73.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.5 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 70.4 ( 95.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 6.9 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO.   | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|---------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050          | VSTDCCC050       | VX043977.D     | 11/25/2024       | 11:27            |
| VX1125WBL01         | VX1125WBL01      | VX043979.D     | 11/25/2024       | 12:18            |
| VX1125WBS01         | VX1125WBS01      | VX043980.D     | 11/25/2024       | 12:41            |
| FSND-MW-30-20241114 | P4873-02         | VX043988.D     | 11/25/2024       | 15:49            |
| FSND-MW-19-20241114 | P4873-04         | VX043989.D     | 11/25/2024       | 16:12            |
| FSND-MW-32-20241114 | P4873-05         | VX043990.D     | 11/25/2024       | 16:35            |
| FSND-MW-34-20241114 | P4873-06         | VX043991.D     | 11/25/2024       | 16:58            |
| FSND-GEP-3-20241114 | P4873-07         | VX043992.D     | 11/25/2024       | 17:21            |
| FSND-MW-28-20241114 | P4873-08         | VX043993.D     | 11/25/2024       | 17:44            |
| FSND-MW-29-20241114 | P4873-09         | VX043994.D     | 11/25/2024       | 18:08            |
| VSTDCCC050EC        | VSTDCCC050       | VX044002.D     | 11/25/2024       | 21:12            |



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX044003.D BFB Injection Date: 11/26/2024  
Instrument ID: MSVOA\_X BFB Injection Time: 08:09  
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            | 21.8                 |
| 75  | 30.0 - 60.0% of mass 95            | 55.4                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.2                  |
| 173 | Less than 2.0% of mass 174         | 0.9 ( 1.3 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 72.2                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.5 ( 7.6 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 71 ( 98.3 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 4.8 ( 6.8 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO.     | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-----------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050            | VSTDCCC050       | VX044004.D     | 11/26/2024       | 09:59            |
| VX1126WBL01           | VX1126WBL01      | VX044006.D     | 11/26/2024       | 10:54            |
| VX1126WBS01           | VX1126WBS01      | VX044007.D     | 11/26/2024       | 11:17            |
| FSND-GEP-3-20241114DL | P4873-07DL       | VX044012.D     | 11/26/2024       | 13:18            |
| FSND-MW-28-20241114DL | P4873-08DL       | VX044013.D     | 11/26/2024       | 13:41            |
| VSTDCCC050EC          | VSTDCCC050       | VX044022.D     | 11/26/2024       | 17:33            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX043950.D Date Analyzed: 11/22/2024  
Instrument ID: MSVOA\_X Time Analyzed: 11:22  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                    | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|--------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD        | 119844        | 5.54  | 210147        | 6.75  | 179277        | 10.06  |
| UPPER LIMIT        | 239688        | 6.038 | 420294        | 7.251 | 358554        | 10.555 |
| LOWER LIMIT        | 59922         | 5.038 | 105074        | 6.251 | 89638.5       | 9.555  |
| EPA SAMPLE NO.     |               |       |               |       |               |        |
| FSND-RB-4-20241114 | 105197        | 5.55  | 204646        | 6.76  | 177710        | 10.05  |
| TB-2               | 112888        | 5.54  | 216240        | 6.76  | 188871        | 10.06  |
| VX1122WBL01        | 114313        | 5.54  | 223688        | 6.76  | 192949        | 10.06  |
| VX1122WBS01        | 122957        | 5.54  | 229417        | 6.76  | 195535        | 10.06  |
| VX1122WBSD01       | 109076        | 5.54  | 195872        | 6.76  | 171011        | 10.06  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05  
 Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
 Lab File ID: VX043950.D Date Analyzed: 11/22/2024  
 Instrument ID: MSVOA\_X Time Analyzed: 11:22  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                    | IS4<br>AREA # | RT #   |  |  |  |  |
|--------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD        | 88069         | 12.018 |  |  |  |  |
| UPPER LIMIT        | 176138        | 12.518 |  |  |  |  |
| LOWER LIMIT        | 44034.5       | 11.518 |  |  |  |  |
| EPA SAMPLE NO.     |               |        |  |  |  |  |
| FSND-RB-4-20241114 | 73808         | 12.02  |  |  |  |  |
| TB-2               | 77834         | 12.02  |  |  |  |  |
| VX1122WBL01        | 79805         | 12.02  |  |  |  |  |
| VX1122WBS01        | 86659         | 12.02  |  |  |  |  |
| VX1122WBSD01       | 79397         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX043977.D Date Analyzed: 11/25/2024  
Instrument ID: MSVOA\_X Time Analyzed: 11:27  
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         | 132560        | 5.54  | 232543        | 6.75 | 196596        | 10.06  |
| UPPER LIMIT         | 265120        | 6.043 | 465086        | 7.25 | 393192        | 10.555 |
| LOWER LIMIT         | 66280         | 5.043 | 116272        | 6.25 | 98298         | 9.555  |
| EPA SAMPLE NO.      |               |       |               |      |               |        |
| FSND-MW-30-20241114 | 119730        | 5.54  | 225681        | 6.76 | 198829        | 10.06  |
| FSND-MW-19-20241114 | 122379        | 5.55  | 236964        | 6.76 | 204246        | 10.06  |
| FSND-MW-32-20241114 | 113361        | 5.54  | 214013        | 6.76 | 187289        | 10.06  |
| FSND-MW-34-20241114 | 122134        | 5.55  | 228854        | 6.76 | 193773        | 10.06  |
| FSND-GEP-3-20241114 | 117514        | 5.54  | 213727        | 6.76 | 189569        | 10.06  |
| FSND-MW-28-20241114 | 108714        | 5.55  | 206635        | 6.76 | 183586        | 10.06  |
| FSND-MW-29-20241114 | 112896        | 5.55  | 215968        | 6.76 | 189479        | 10.06  |
| VX1125WBL01         | 113649        | 5.54  | 223629        | 6.76 | 208120        | 10.05  |
| VX1125WBS01         | 129078        | 5.54  | 232630        | 6.76 | 200729        | 10.05  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX043977.D Date Analyzed: 11/25/2024  
Instrument ID: MSVOA\_X Time Analyzed: 11:27  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                     | IS4<br>AREA # | RT #   |  |  |  |  |
|---------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD         | 94886         | 12.018 |  |  |  |  |
| UPPER LIMIT         | 189772        | 12.518 |  |  |  |  |
| LOWER LIMIT         | 47443         | 11.518 |  |  |  |  |
| EPA SAMPLE NO.      |               |        |  |  |  |  |
| FSND-MW-30-20241114 | 84923         | 12.02  |  |  |  |  |
| FSND-MW-19-20241114 | 83659         | 12.02  |  |  |  |  |
| FSND-MW-32-20241114 | 77640         | 12.02  |  |  |  |  |
| FSND-MW-34-20241114 | 81953         | 12.02  |  |  |  |  |
| FSND-GEP-3-20241114 | 78823         | 12.02  |  |  |  |  |
| FSND-MW-28-20241114 | 69483         | 12.02  |  |  |  |  |
| FSND-MW-29-20241114 | 83328         | 12.02  |  |  |  |  |
| VX1125WBL01         | 90683         | 12.02  |  |  |  |  |
| VX1125WBS01         | 89446         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05  
Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
Lab File ID: VX044004.D Date Analyzed: 11/26/2024  
Instrument ID: MSVOA\_X Time Analyzed: 09:59  
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           | 135994        | 5.54  | 228315        | 6.75  | 197529        | 10.05  |
| UPPER LIMIT           | 271988        | 6.038 | 456630        | 7.251 | 395058        | 10.549 |
| LOWER LIMIT           | 67997         | 5.038 | 114158        | 6.251 | 98764.5       | 9.549  |
| EPA SAMPLE NO.        |               |       |               |       |               |        |
| FSND-GEP-3-20241114DL | 110646        | 5.54  | 210130        | 6.76  | 186506        | 10.06  |
| FSND-MW-28-20241114DL | 112571        | 5.55  | 214625        | 6.76  | 191208        | 10.06  |
| VX1126WBL01           | 113627        | 5.55  | 212092        | 6.75  | 187057        | 10.05  |
| VX1126WBS01           | 126484        | 5.54  | 228899        | 6.76  | 196787        | 10.06  |

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: EAEN05  
 Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG NO.: P4873  
 Lab File ID: VX044004.D Date Analyzed: 11/26/2024  
 Instrument ID: MSVOA\_X Time Analyzed: 09:59  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                       | IS4<br>AREA # | RT #   |  |  |  |  |
|-----------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD           | 92620         | 12.018 |  |  |  |  |
| UPPER LIMIT           | 185240        | 12.518 |  |  |  |  |
| LOWER LIMIT           | 46310         | 11.518 |  |  |  |  |
| EPA SAMPLE NO.        |               |        |  |  |  |  |
| FSND-GEP-3-20241114DL | 78197         | 12.02  |  |  |  |  |
| FSND-MW-28-20241114DL | 81021         | 12.02  |  |  |  |  |
| VX1126WBL01           | 75578         | 12.02  |  |  |  |  |
| VX1126WBS01           | 89836         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

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

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





# SAMPLE DATA

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-RB-4-20241114                  |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-01                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043971.D        | 1         |           | 11/22/24 19:33 | VX112224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 9.90  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.42  | J         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.93  | J         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.40  | J         | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-RB-4-20241114                  |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-01                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043971.D        | 1         |           | 11/22/24 19:33 | VX112224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 2.50   | U         | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.75   | U         | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.50   | U         | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.75   | U         | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.3   |           | 81 - 118 |      | 105%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 45.9   |           | 80 - 119 |      | 92%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.0   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.4   |           | 85 - 114 |      | 97%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 105000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 205000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 178000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 73800  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                     |           |                 |               |
|--------------------|-------------------------------------|-----------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |           | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |           | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-RB-4-20241114                  |           | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-01                            |           | Matrix:         | Water         |
| Analytical Method: | SW8260                              |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043971.D        | 1         |           | 11/22/24 19:33 | VX112224      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043971.D  
Acq On : 22 Nov 2024 19:33  
Operator : JC/MD  
Sample : P4873-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-4-20241114

Quant Time: Nov 22 22:29:37 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

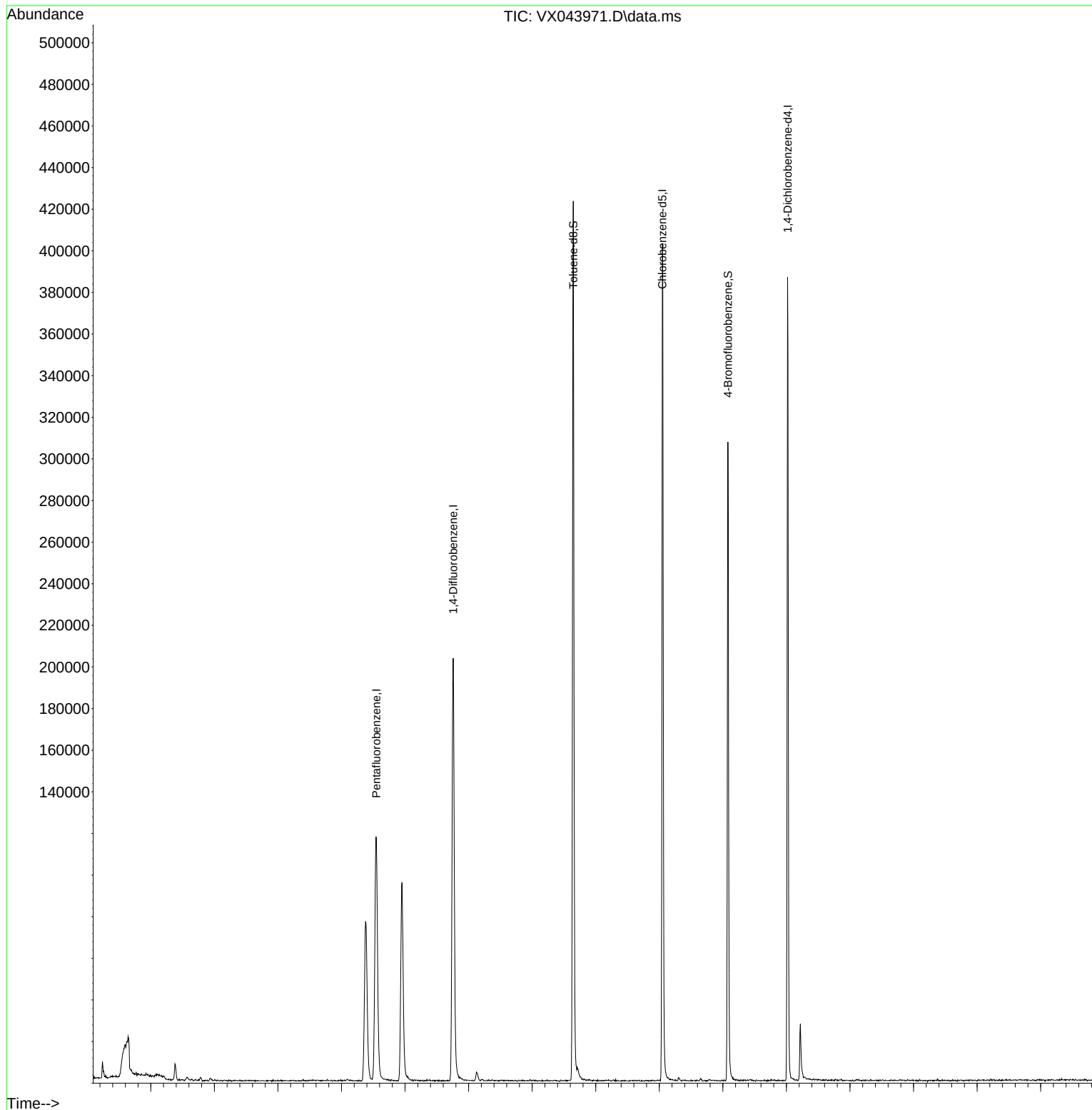
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 105197   | 50.000   | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 204646   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.049 | 117   | 177710   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 73808    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 94351    | 52.292   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 104.580% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 67160    | 45.928   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 91.860%  |
| 50) Toluene-d8              | 8.647  | 98    | 252075   | 50.008   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 100.020% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 83106    | 48.445   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 96.880%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 16) Acetone                 | 2.380  | 43    | 8243     | 9.947    | ug/l # | 88       |
| 20) Methylene Chloride      | 2.782  | 84    | 587      | 0.417    | ug/l # | 77       |
| 44) Trichloroethene         | 7.129  | 130   | 1494     | 0.930    | ug/l   | 94       |
| 52) Toluene                 | 8.720  | 92    | 1367     | 0.402    | ug/l   | 91       |
| -----                       |        |       |          |          |        |          |

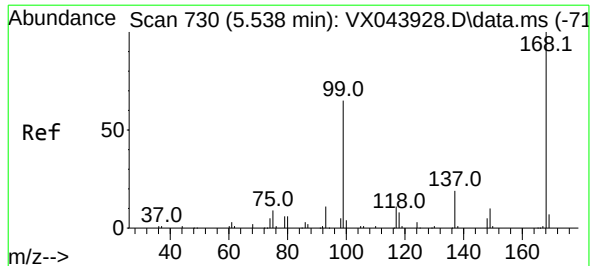
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043971.D  
Acq On : 22 Nov 2024 19:33  
Operator : JC/MD  
Sample : P4873-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-4-20241114

Quant Time: Nov 22 22:29:37 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 730

Delta R.T. 0.012 min

Lab File: VX043971.D

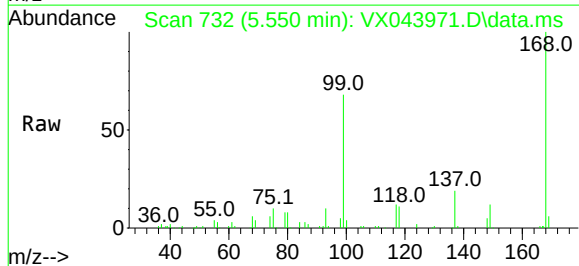
Acq: 22 Nov 2024 19:33

Instrument :

MSVOA\_X

ClientSampleId :

FSND-RB-4-20241114

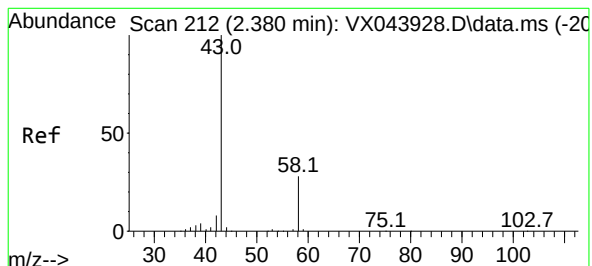
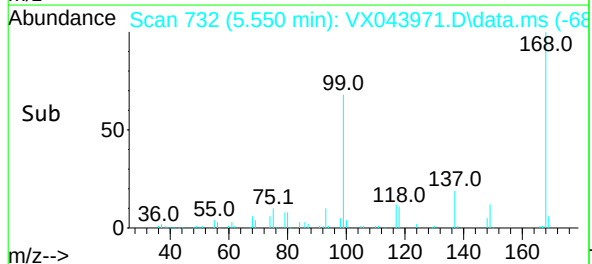
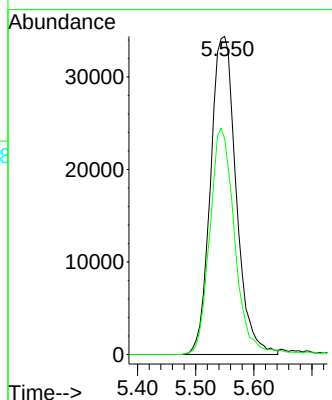


Tgt Ion:168 Resp: 105197

Ion Ratio Lower Upper

168 100

99 67.9 51.8 77.8



#16

Acetone

Concen: 9.947 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043971.D

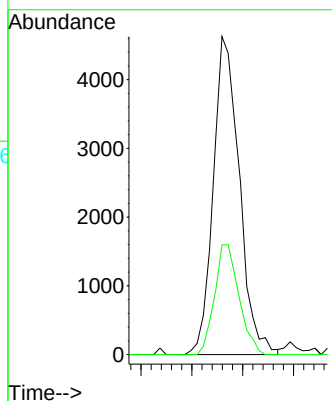
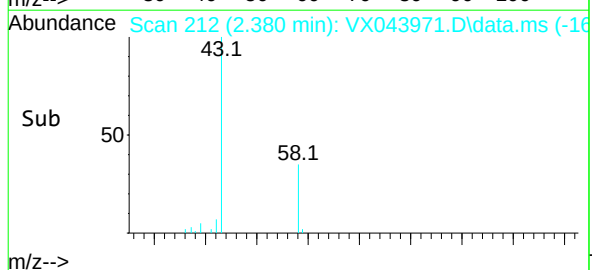
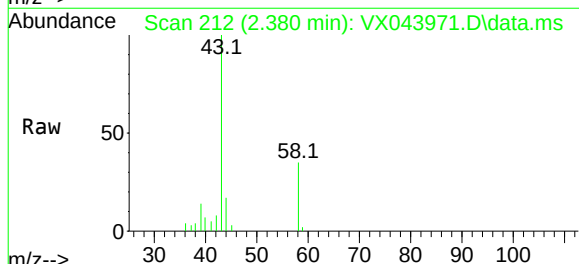
Acq: 22 Nov 2024 19:33

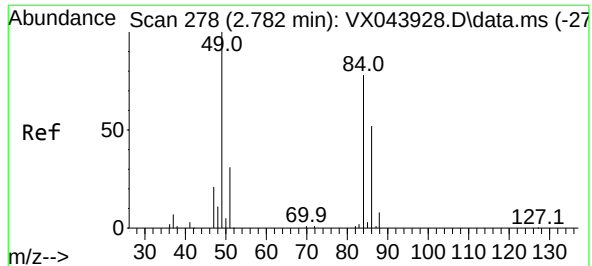
Tgt Ion: 43 Resp: 8243

Ion Ratio Lower Upper

43 100

58 34.5 22.7 34.1#





#20

Methylene Chloride

Concen: 0.417 ug/l

RT: 2.782 min Scan# 27

Delta R.T. -0.000 min

Lab File: VX043971.D

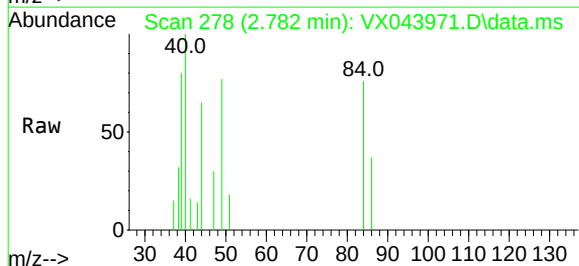
Acq: 22 Nov 2024 19:33

Instrument :

MSVOA\_X

ClientSampleId :

FSND-RB-4-20241114



Tgt Ion: 84 Resp: 587

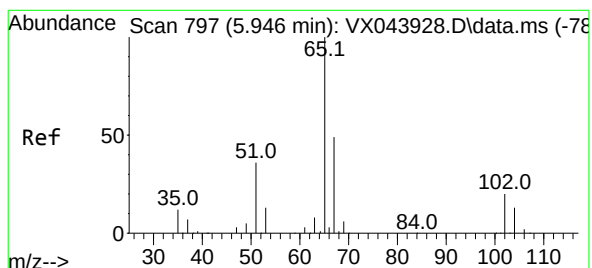
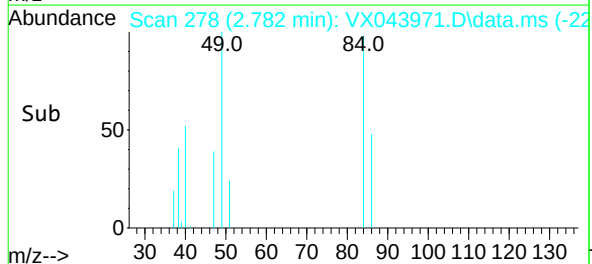
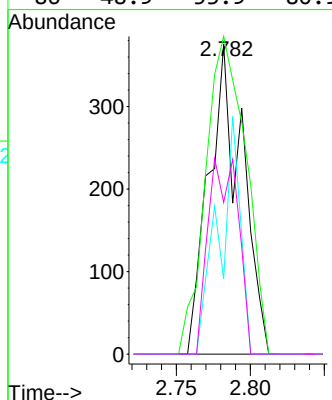
Ion Ratio Lower Upper

84 100

49 102.4 102.7 154.1#

51 24.2 31.7 47.5#

86 48.9 53.9 80.9#



#33

1,2-Dichloroethane-d4

Concen: 52.292 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043971.D

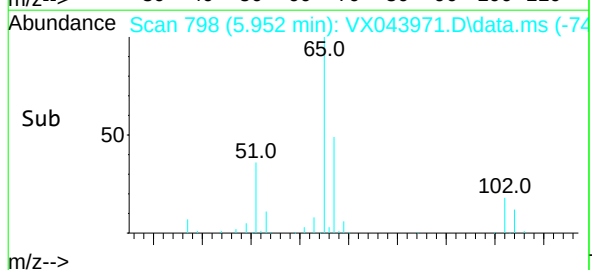
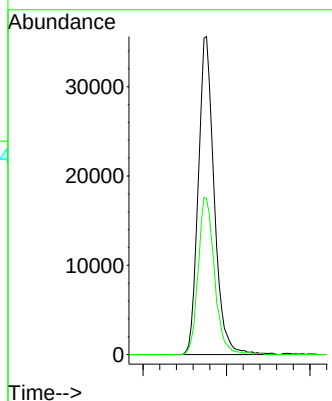
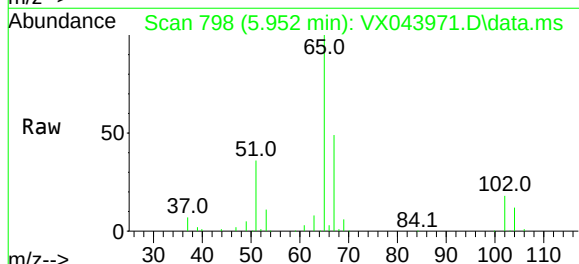
Acq: 22 Nov 2024 19:33

Tgt Ion: 65 Resp: 94351

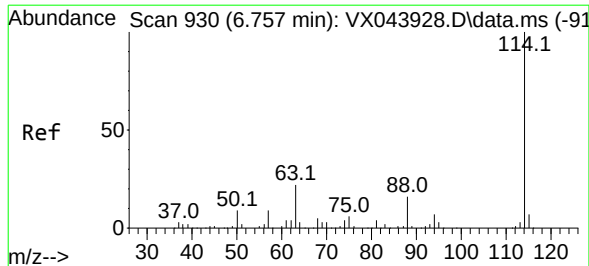
Ion Ratio Lower Upper

65 100

67 50.5 0.0 100.8







#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043971.D

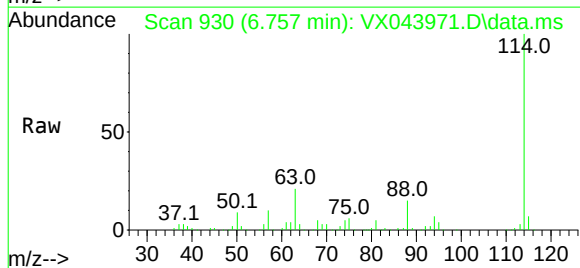
Acq: 22 Nov 2024 19:33

Instrument :

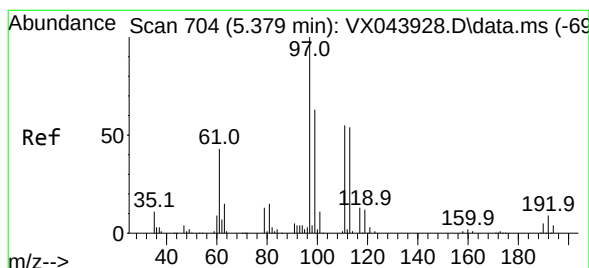
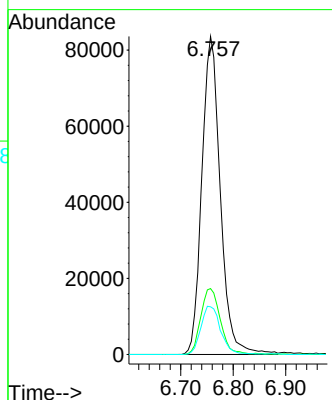
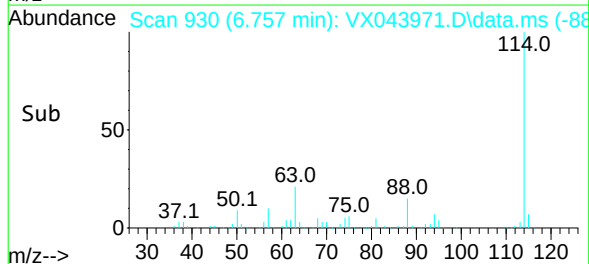
MSVOA\_X

ClientSampleId :

FSND-RB-4-20241114



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 204646 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.7  | 0.0   | 44.0   |
| 88       | 15.0  | 0.0   | 32.4   |



#35

Dibromofluoromethane

Concen: 45.928 ug/l

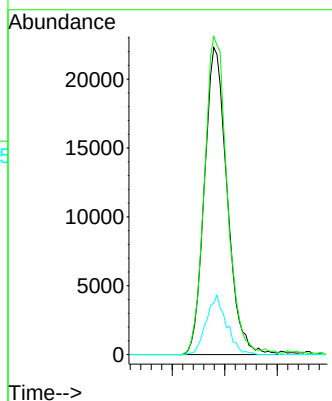
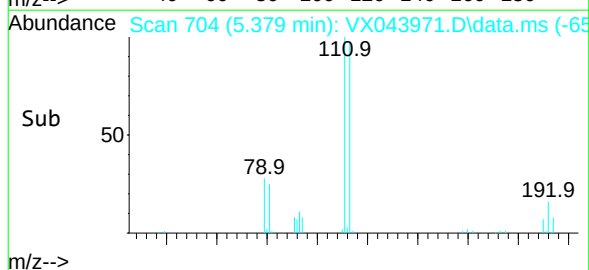
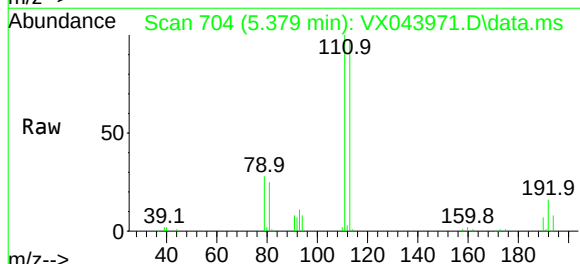
RT: 5.379 min Scan# 704

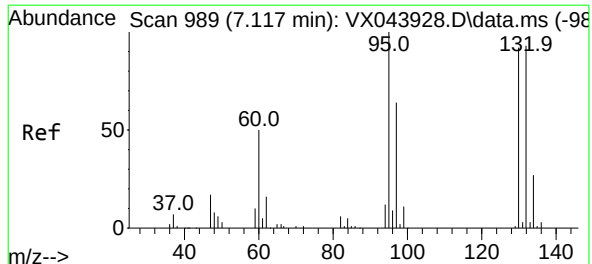
Delta R.T. -0.000 min

Lab File: VX043971.D

Acq: 22 Nov 2024 19:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 67160 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.4 | 81.0  | 121.4 |
| 192      | 17.3  | 13.0  | 19.6  |





#44

Trichloroethene

Concen: 0.930 ug/l

RT: 7.129 min Scan# 99

Delta R.T. 0.012 min

Lab File: VX043971.D

Acq: 22 Nov 2024 19:33

Instrument :

MSVOA\_X

ClientSampleId :

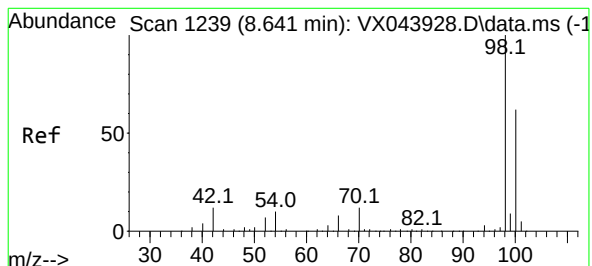
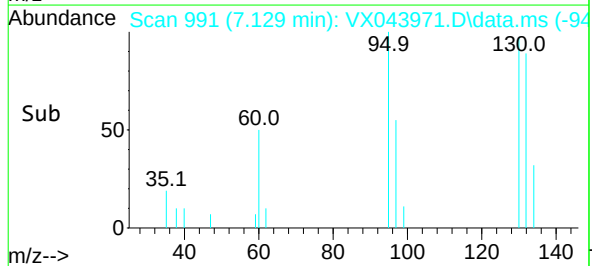
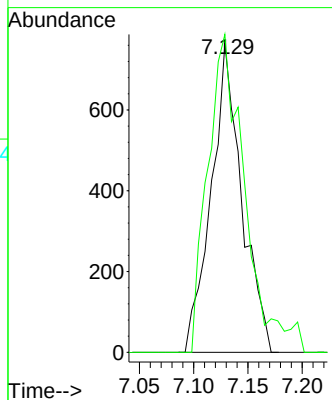
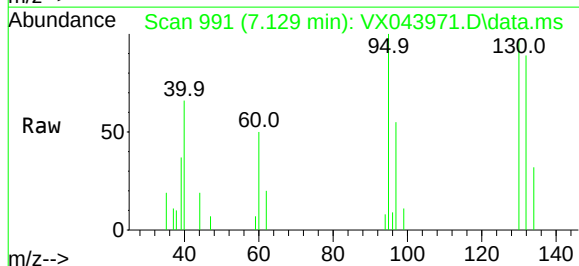
FSND-RB-4-20241114

Tgt Ion:130 Resp: 1494

Ion Ratio Lower Upper

130 100

95 102.9 0.0 217.8



#50

Toluene-d8

Concen: 50.008 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043971.D

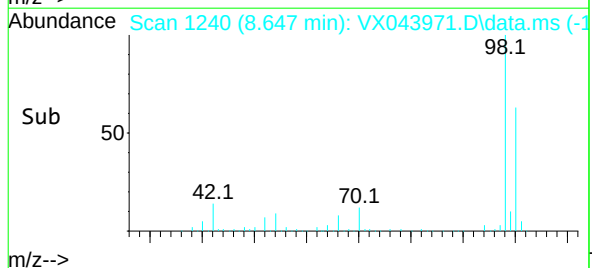
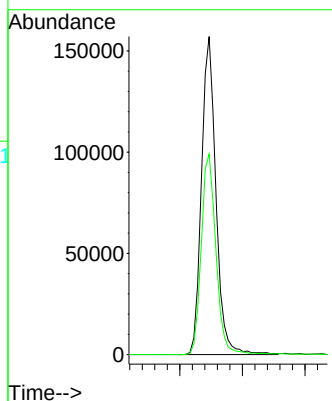
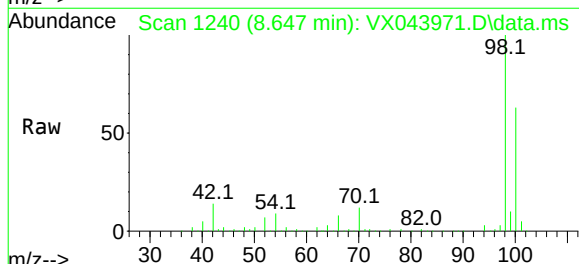
Acq: 22 Nov 2024 19:33

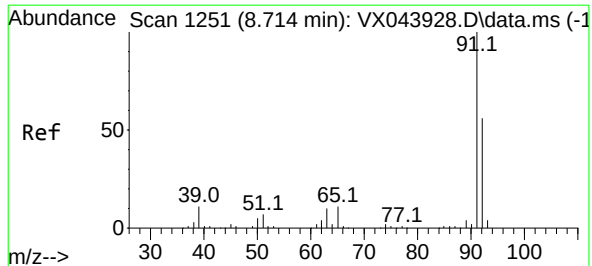
Tgt Ion: 98 Resp: 252075

Ion Ratio Lower Upper

98 100

100 64.0 52.6 79.0





#52

Toluene

Concen: 0.402 ug/l

RT: 8.720 min Scan# 1251

Delta R.T. 0.006 min

Lab File: VX043971.D

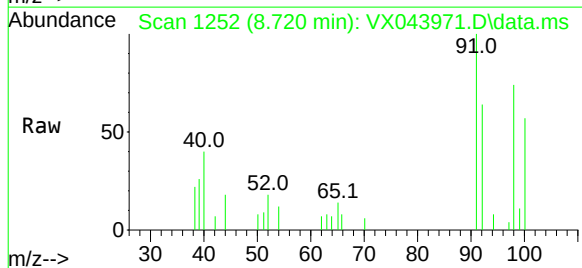
Acq: 22 Nov 2024 19:33

Instrument :

MSVOA\_X

ClientSampleId :

FSND-RB-4-20241114

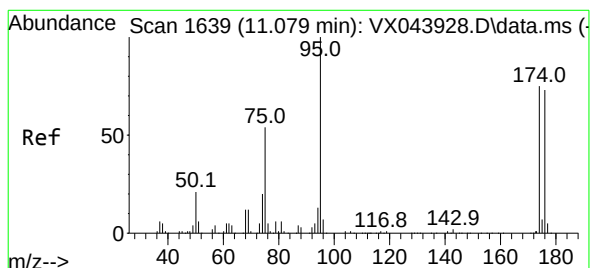
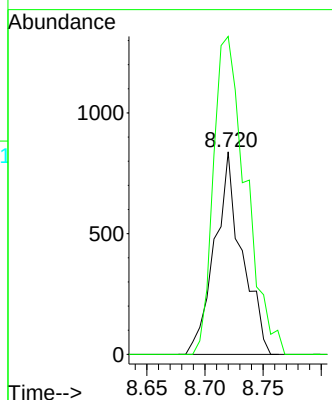
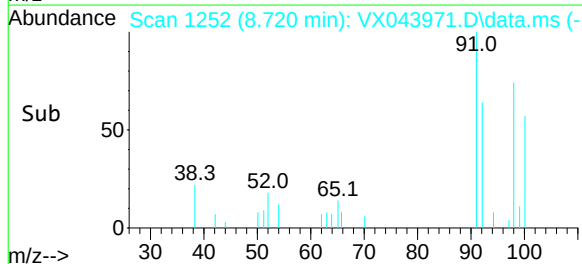


Tgt Ion: 92 Resp: 1367

Ion Ratio Lower Upper

92 100

91 186.9 139.7 209.5



#62

4-Bromofluorobenzene

Concen: 48.445 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043971.D

Acq: 22 Nov 2024 19:33

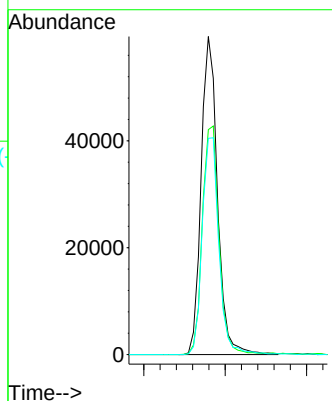
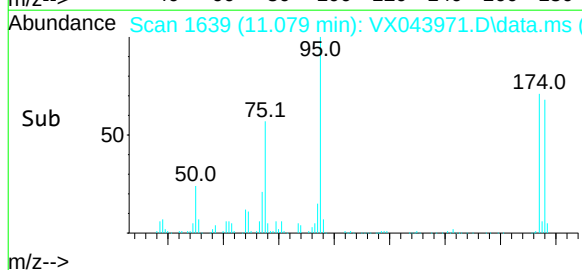
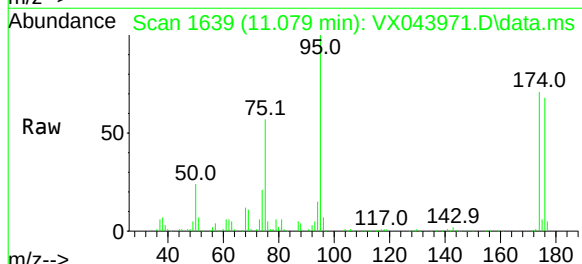
Tgt Ion: 95 Resp: 83106

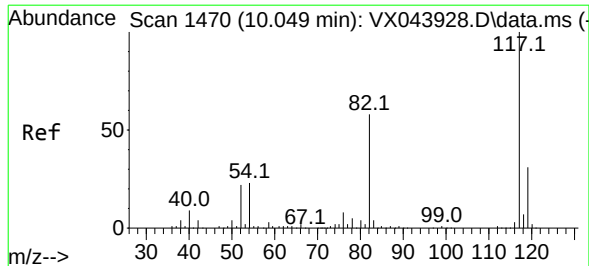
Ion Ratio Lower Upper

95 100

174 73.5 0.0 150.4

176 69.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043971.D

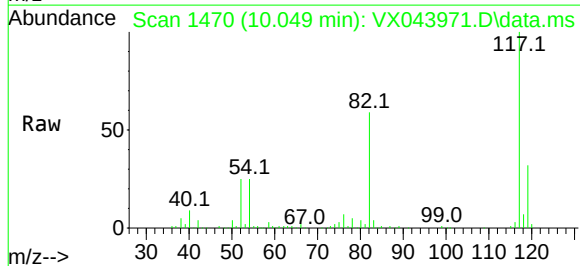
Acq: 22 Nov 2024 19:33

Instrument :

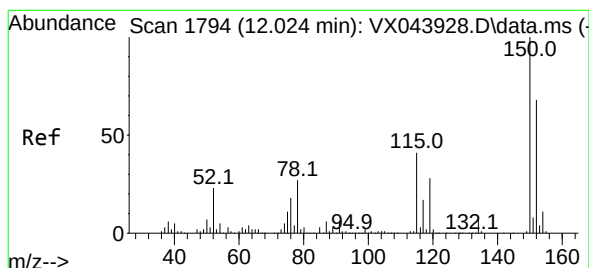
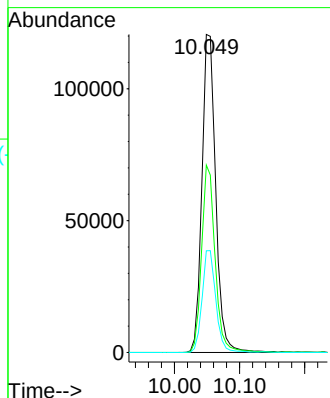
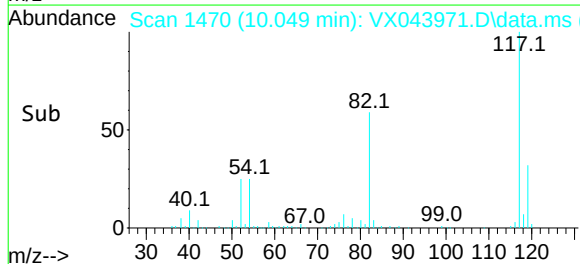
MSVOA\_X

ClientSampleId :

FSND-RB-4-20241114



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 177710 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 58.9  | 46.4  | 69.6   |
| 119      | 32.0  | 24.6  | 37.0   |



#72

1,4-Dichlorobenzene-d4

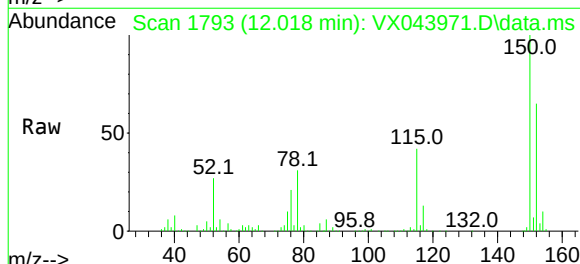
Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

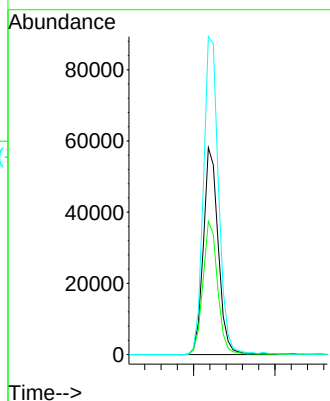
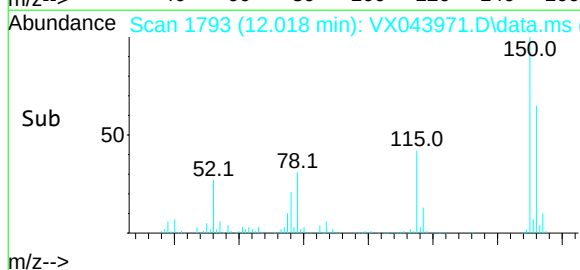
Delta R.T. -0.006 min

Lab File: VX043971.D

Acq: 22 Nov 2024 19:33



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 73808 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 63.7  | 45.4  | 136.2 |
| 150      | 156.3 | 0.0   | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043971.D  
 Acq On : 22 Nov 2024 19:33  
 Operator : JC/MD  
 Sample : P4873-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-RB-4-20241114

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\82X112124W.M  
 Title : SW846 8260

Signal : TIC: VX043971.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         | 1.240       | 22            | 25          | 32           | rBV2     | 7752           | 10076         | 1.47%           | 0.276%        |
| 2         | 1.593       | 68            | 83          | 85           | rBV3     | 15318          | 56779         | 8.30%           | 1.553%        |
| 3         | 2.380       | 206           | 212         | 220          | rVB      | 8050           | 14876         | 2.17%           | 0.407%        |
| 4         | 5.379       | 694           | 704         | 718          | rBV2     | 76693          | 232288        | 33.95%          | 6.354%        |
| 5         | 5.544       | 721           | 731         | 752          | rVV2     | 116781         | 349786        | 51.12%          | 9.568%        |
| 6         | 5.952       | 788           | 798         | 812          | rBV2     | 95429          | 259404        | 37.91%          | 7.095%        |
| 7         | 6.757       | 921           | 930         | 945          | rBV      | 203044         | 502848        | 73.48%          | 13.754%       |
| 8         | 7.123       | 985           | 990         | 999          | rVB4     | 4166           | 9379          | 1.37%           | 0.257%        |
| 9         | 8.647       | 1233          | 1240        | 1249         | rBV      | 422572         | 684298        | 100.00%         | 18.718%       |
| 10        | 10.049      | 1465          | 1470        | 1483         | rBV      | 401962         | 583591        | 85.28%          | 15.963%       |
| 11        | 11.079      | 1634          | 1639        | 1651         | rBV      | 306834         | 422362        | 61.72%          | 11.553%       |
| 12        | 12.018      | 1788          | 1793        | 1802         | rBV      | 386005         | 486233        | 71.06%          | 13.300%       |
| 13        | 12.219      | 1821          | 1826        | 1834         | rBV      | 27101          | 43999         | 6.43%           | 1.204%        |

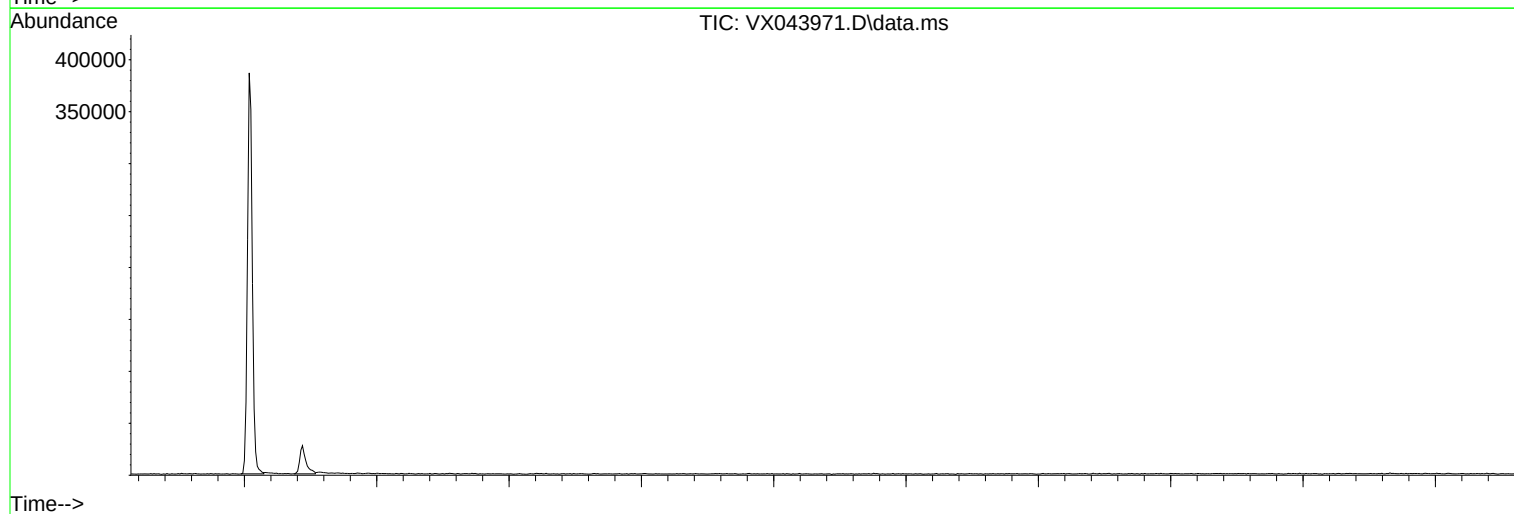
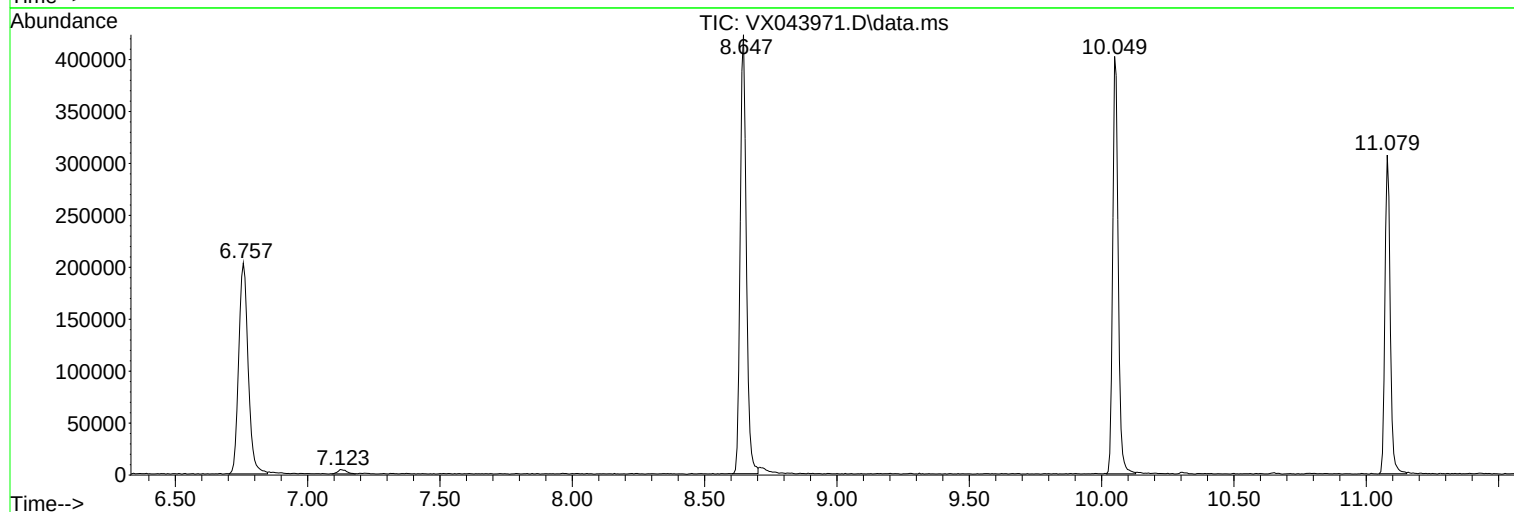
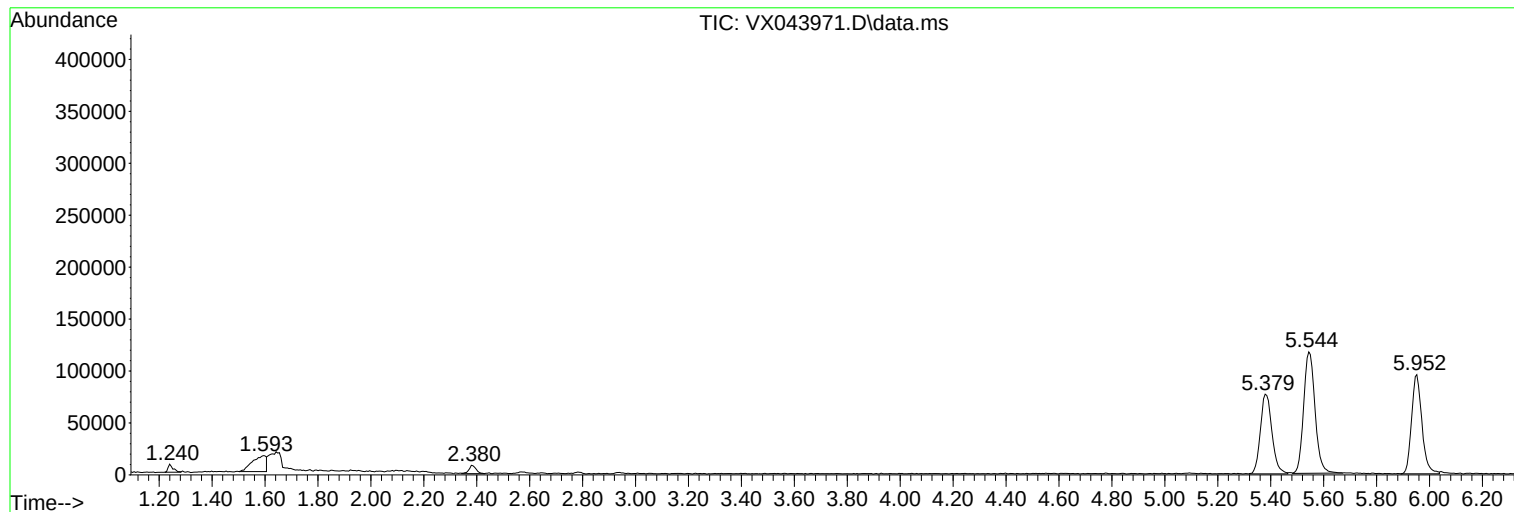
Sum of corrected areas: 3655919

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043971.D  
Acq On : 22 Nov 2024 19:33  
Operator : JC/MD  
Sample : P4873-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-4-20241114

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043971.D  
Acq On : 22 Nov 2024 19:33  
Operator : JC/MD  
Sample : P4873-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-4-20241114

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

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043971.D  
Acq On : 22 Nov 2024 19:33  
Operator : JC/MD  
Sample : P4873-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-RB-4-20241114

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

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

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



### Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-30-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-02                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043988.D        | 1         |           | 11/25/24 15:49 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.20  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 1.80  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-MW-30-20241114                 |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-02                            |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043988.D        | 1         |           | 11/25/24 15:49 | VX112524      |

[illegible]

## Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-MW-30-20241114                 |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-02                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043988.D        | 1         |           | 11/25/24 15:49 | VX112524      |

| CAS Number  | Parameter    | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|-------------|--------------|-------|-----------|-----|-----|------------|-------|
| 000106-97-8 | Butane       | 18.4  | J         |     |     | 1.37       | ug/L  |
|             | unknown1.636 | 5.50  | J         |     |     | 1.64       | ug/L  |
| 000109-66-0 | Pentane      | 8.10  | J         |     |     | 1.94       | ug/L  |

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\VX112524\  
 Data File : VX043988.D  
 Acq On : 25 Nov 2024 15:49  
 Operator : JC/MD  
 Sample : P4873-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-30-20241114

Quant Time: Nov 26 00:49:40 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

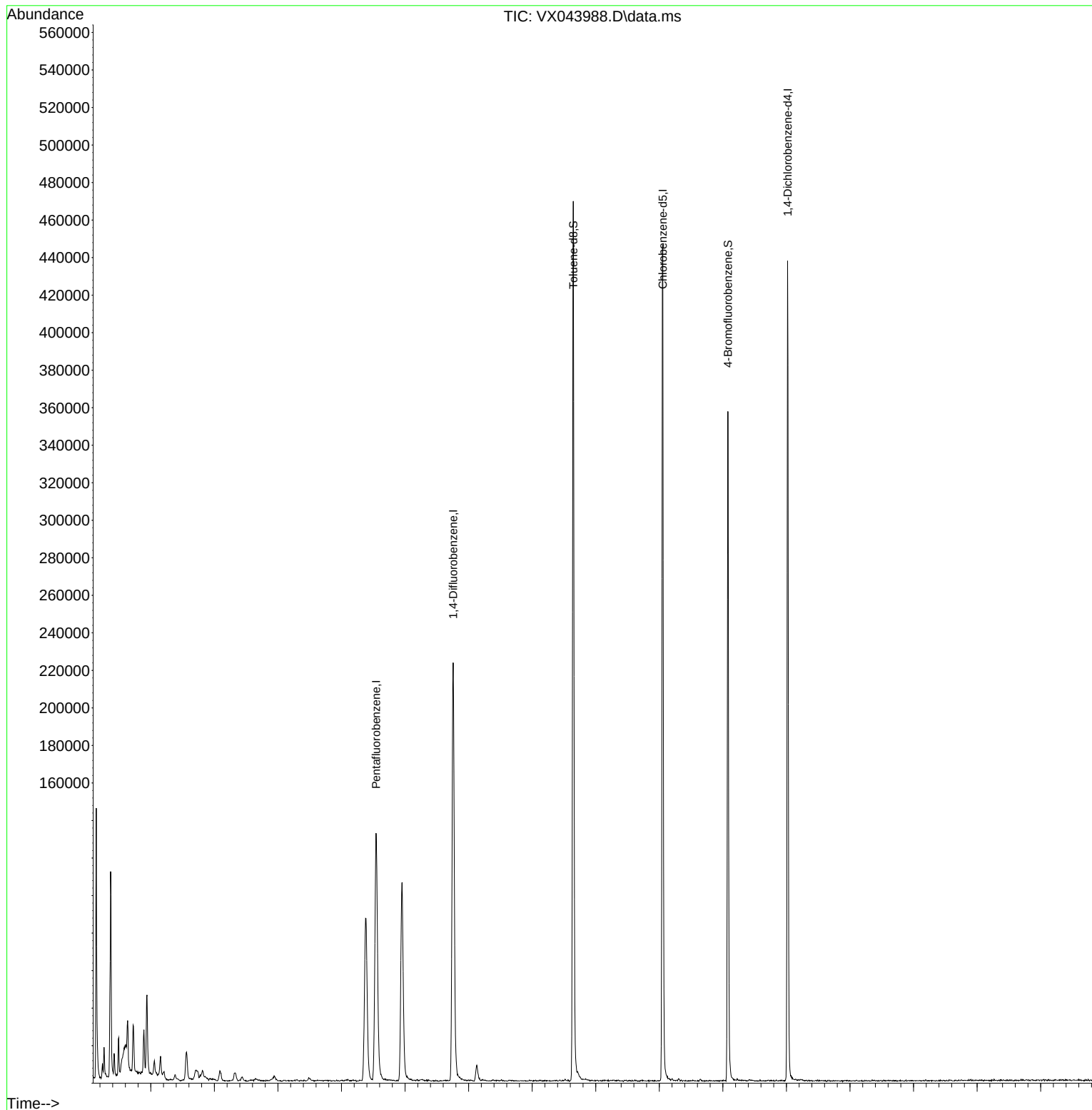
| Compound                    | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|-------|----------|
| -----                       |                |      |            |         |       |          |
| Internal Standards          |                |      |            |         |       |          |
| 1) Pentafluorobenzene       | 5.544          | 168  | 119730     | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 225681     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 198829     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 84923      | 50.000  | ug/l  | 0.00     |
|                             |                |      |            |         |       |          |
| System Monitoring Compounds |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 102169     | 49.752  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 99.500% |       |          |
| 35) Dibromofluoromethane    | 5.379          | 113  | 76095      | 47.188  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 94.380% |       |          |
| 50) Toluene-d8              | 8.647          | 98   | 276109     | 49.671  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 99.340% |       |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 90197      | 47.677  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 95.360% |       |          |
|                             |                |      |            |         |       |          |
| Target Compounds            |                |      |            |         |       |          |
| 16) Acetone                 | 2.386          | 43   | 3026       | 3.208   | ug/l  | 92       |
| 44) Trichloroethene         | 7.123          | 130  | 3274       | 1.848   | ug/l  | 90       |
| -----                       |                |      |            |         |       |          |

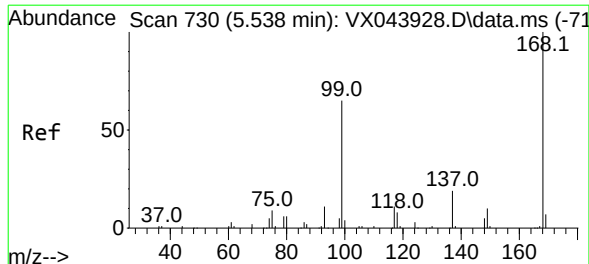
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043988.D  
Acq On : 25 Nov 2024 15:49  
Operator : JC/MD  
Sample : P4873-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-30-20241114

Quant Time: Nov 26 00:49:40 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX043988.D

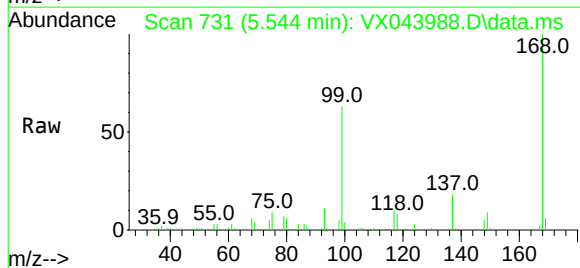
Acq: 25 Nov 2024 15:49

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-30-20241114

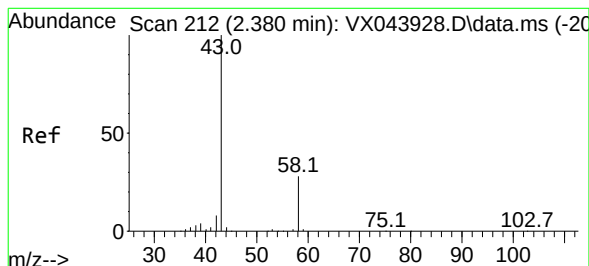
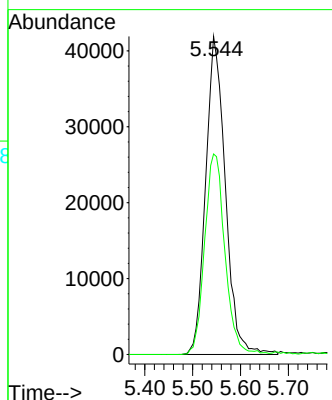
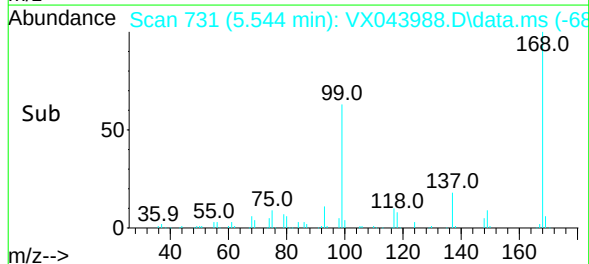


Tgt Ion:168 Resp: 119730

Ion Ratio Lower Upper

168 100

99 63.0 51.8 77.8



#16

Acetone

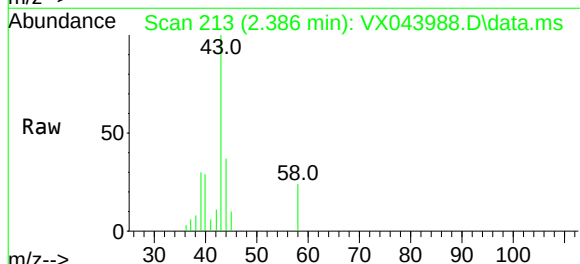
Concen: 3.208 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

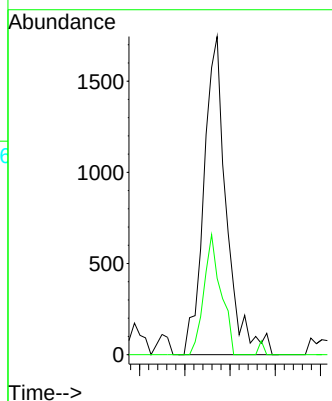
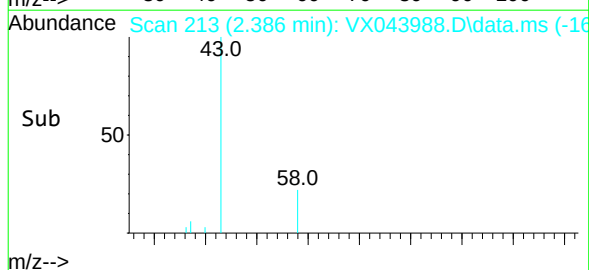


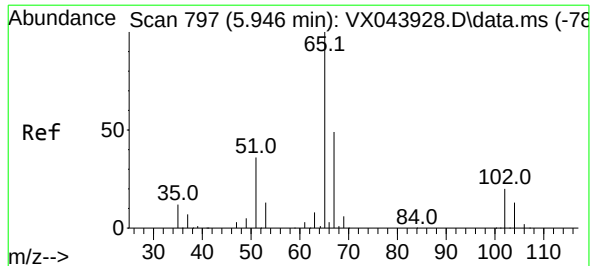
Tgt Ion: 43 Resp: 3026

Ion Ratio Lower Upper

43 100

58 24.0 22.7 34.1

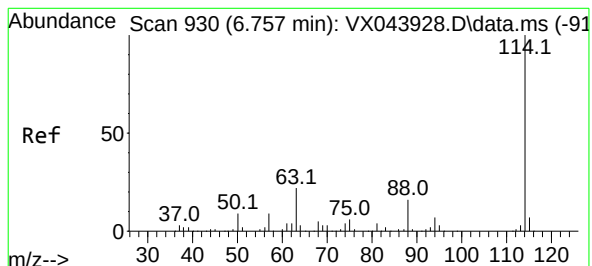
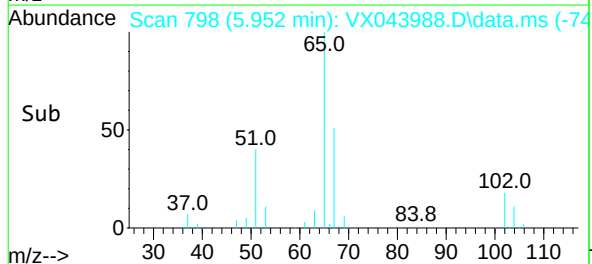
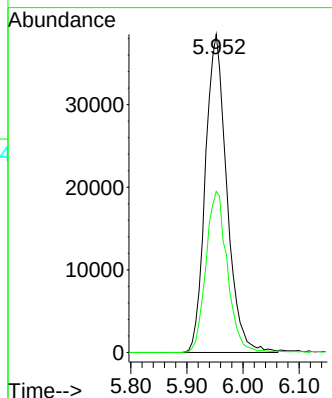
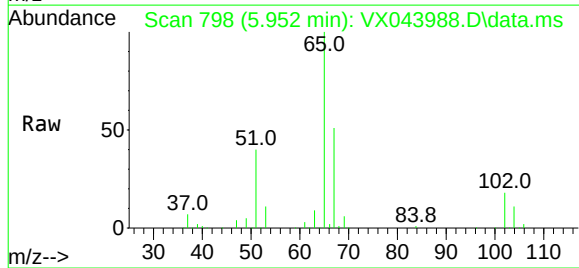




#33  
1,2-Dichloroethane-d4  
Concen: 49.752 ug/l  
RT: 5.952 min Scan# 79  
Delta R.T. 0.006 min  
Lab File: VX043988.D  
Acq: 25 Nov 2024 15:49

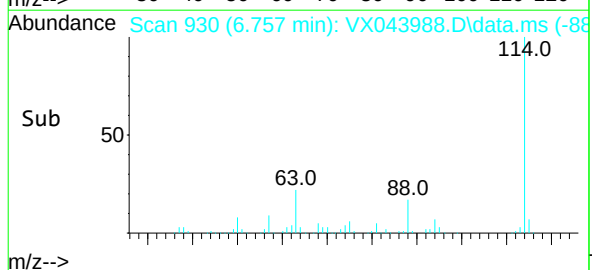
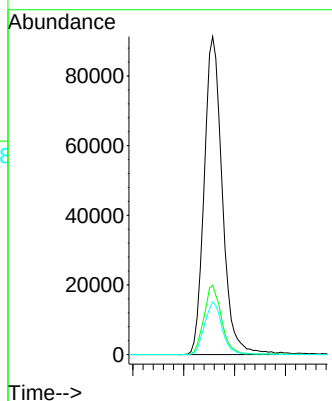
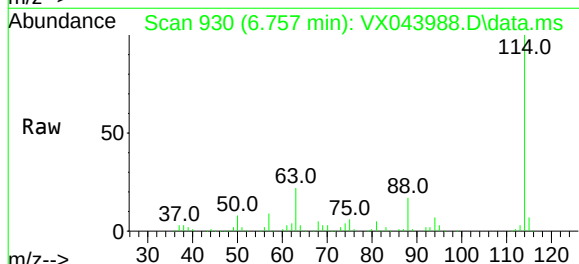
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-30-20241114

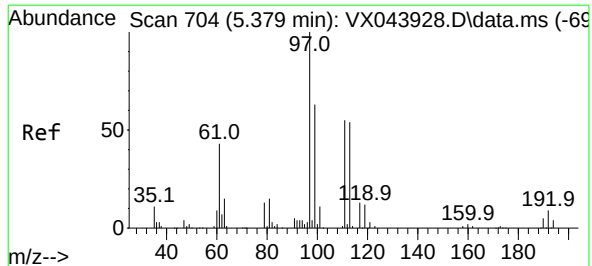
Tgt Ion: 65 Resp: 102169  
Ion Ratio Lower Upper  
65 100  
67 50.5 0.0 100.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043988.D  
Acq: 25 Nov 2024 15:49

Tgt Ion: 114 Resp: 225681  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 44.0  
88 16.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.188 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043988.D

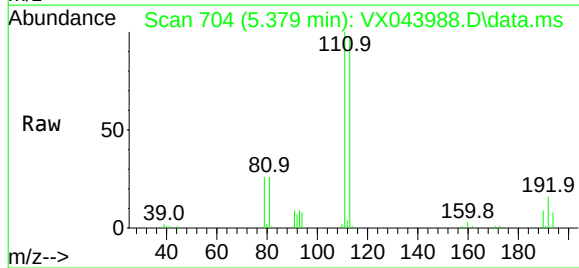
Acq: 25 Nov 2024 15:49

Instrument :

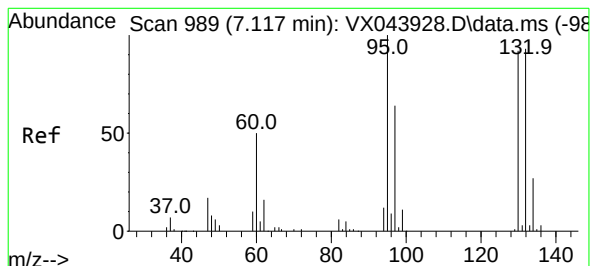
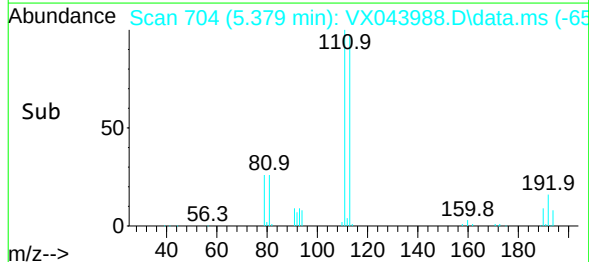
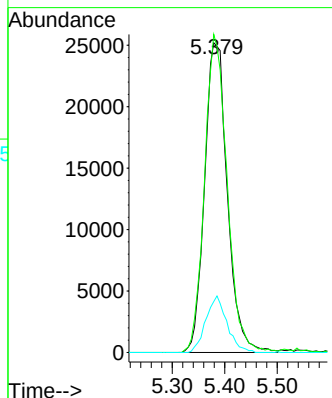
MSVOA\_X

ClientSampleId :

FSND-MW-30-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 76095 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.8 | 81.0  | 121.4 |
| 192      | 16.9  | 13.0  | 19.6  |



#44

Trichloroethene

Concen: 1.848 ug/l

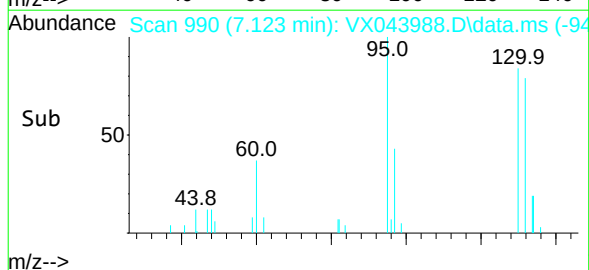
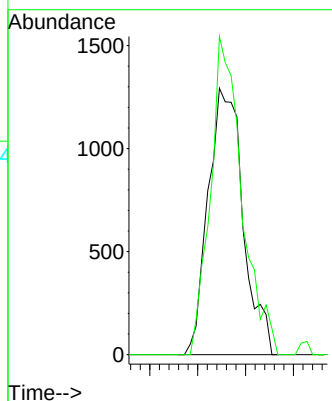
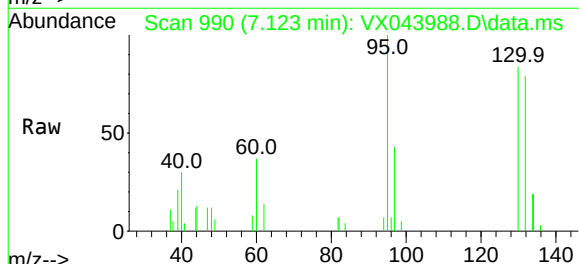
RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

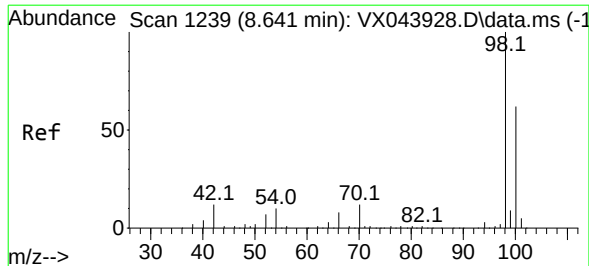
Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 3274  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 119.4 | 0.0   | 217.8 |







#50

Toluene-d8

Concen: 49.671 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043988.D

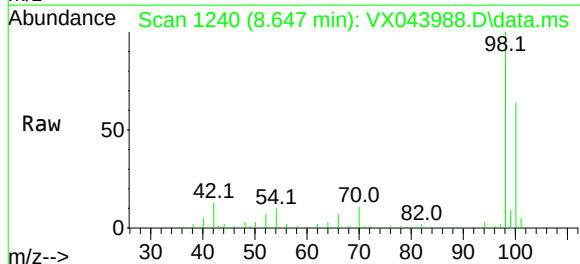
Acq: 25 Nov 2024 15:49

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-30-20241114

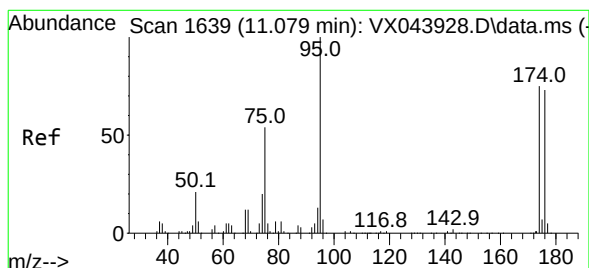
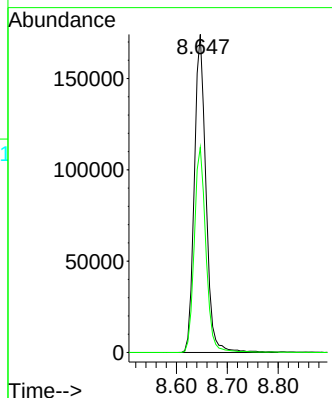
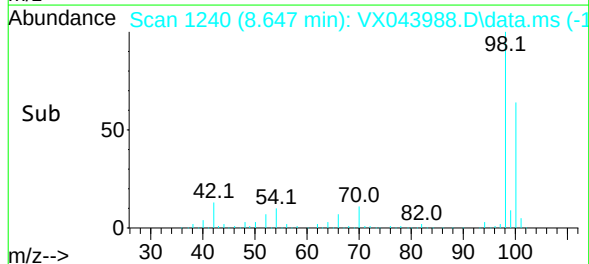


Tgt Ion: 98 Resp: 276109

Ion Ratio Lower Upper

98 100

100 64.6 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 47.677 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49

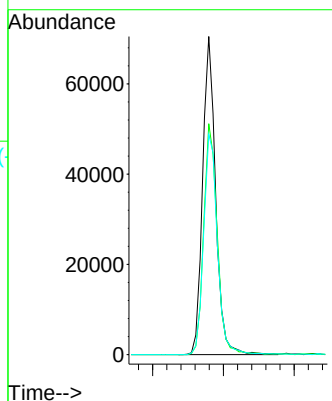
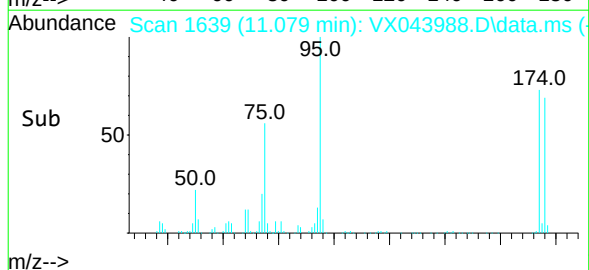
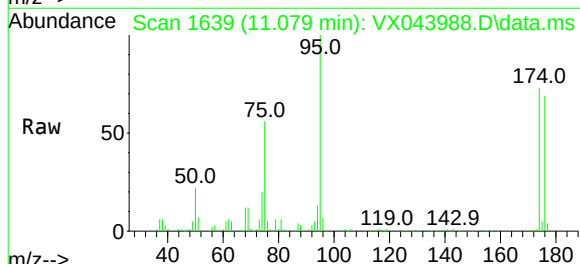
Tgt Ion: 95 Resp: 90197

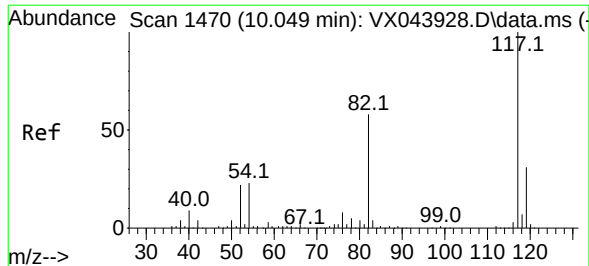
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

176 73.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 14

Delta R.T. 0.006 min

Lab File: VX043988.D

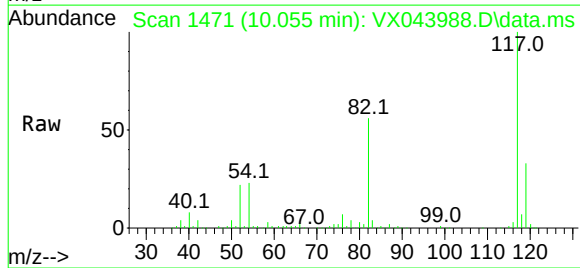
Acq: 25 Nov 2024 15:49

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-30-20241114



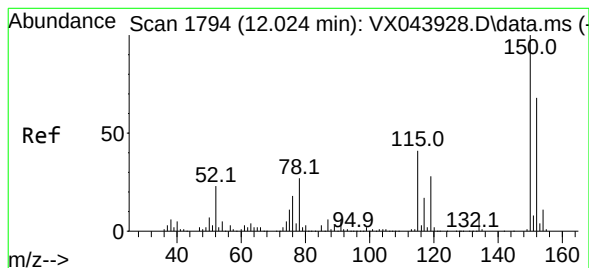
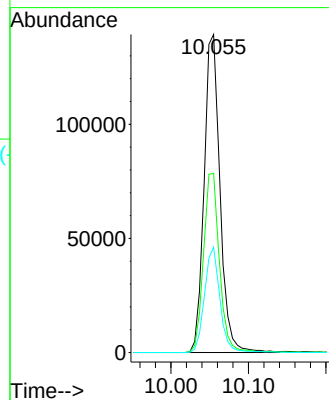
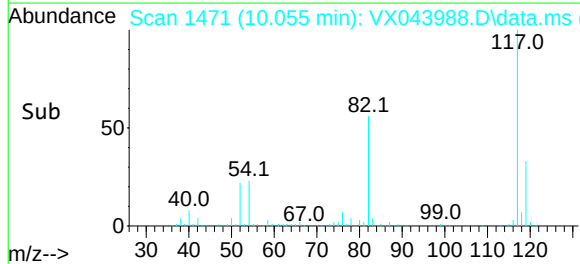
Tgt Ion:117 Resp: 198829

Ion Ratio Lower Upper

117 100

82 56.4 46.4 69.6

119 33.1 24.6 37.0



#72

1,4-Dichlorobenzene-d4

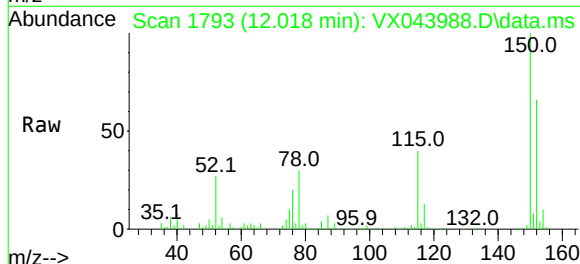
Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043988.D

Acq: 25 Nov 2024 15:49



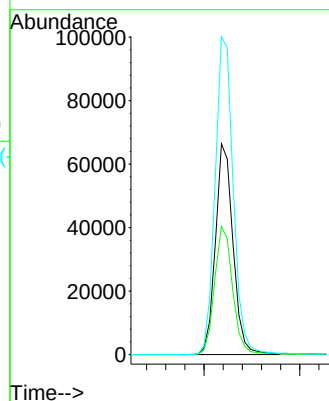
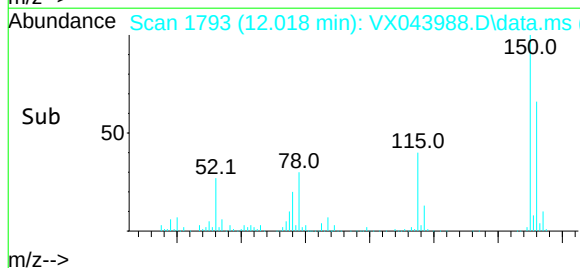
Tgt Ion:152 Resp: 84923

Ion Ratio Lower Upper

152 100

115 62.4 45.4 136.2

150 156.1 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043988.D  
 Acq On : 25 Nov 2024 15:49  
 Operator : JC/MD  
 Sample : P4873-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-30-20241114

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VX043988.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         | 1.142       | 5             | 9           | 18           | rBV      | 143851         | 143760        | 19.18%          | 3.118%        |
| 2         | 1.240       | 21            | 25          | 27           | rBV      | 8154           | 8676          | 1.16%           | 0.188%        |
| 3         | 1.264       | 27            | 29          | 32           | rVB2     | 14218          | 12826         | 1.71%           | 0.278%        |
| 4         | 1.368       | 41            | 46          | 53           | rBV2     | 109306         | 142447        | 19.00%          | 3.090%        |
| 5         | 1.422       | 53            | 55          | 60           | rVB      | 11939          | 12092         | 1.61%           | 0.262%        |
| 6         | 1.496       | 63            | 67          | 71           | rBV      | 20073          | 22055         | 2.94%           | 0.478%        |
| 7         | 1.605       | 71            | 85          | 87           | rVV7     | 15652          | 64412         | 8.59%           | 1.397%        |
| 8         | 1.636       | 87            | 90          | 96           | rVV3     | 28074          | 42191         | 5.63%           | 0.915%        |
| 9         | 1.721       | 100           | 104         | 113          | rVB      | 25079          | 37479         | 5.00%           | 0.813%        |
| 10        | 1.892       | 127           | 132         | 136          | rBV      | 22866          | 30453         | 4.06%           | 0.661%        |
| 11        | 1.941       | 136           | 140         | 147          | rVB      | 41814          | 62258         | 8.31%           | 1.350%        |
| 12        | 2.057       | 154           | 159         | 167          | rVV2     | 7957           | 14838         | 1.98%           | 0.322%        |
| 13        | 2.154       | 167           | 175         | 180          | rVV      | 11589          | 21662         | 2.89%           | 0.470%        |
| 14        | 2.209       | 180           | 184         | 190          | rVB4     | 4392           | 8414          | 1.12%           | 0.183%        |
| 15        | 2.563       | 235           | 242         | 249          | rBV      | 15031          | 32646         | 4.35%           | 0.708%        |
| 16        | 2.715       | 258           | 267         | 268          | rBV4     | 5024           | 10901         | 1.45%           | 0.236%        |
| 17        | 3.087       | 321           | 328         | 341          | rVB3     | 5565           | 13581         | 1.81%           | 0.295%        |
| 18        | 3.325       | 361           | 367         | 375          | rVB4     | 4293           | 11436         | 1.53%           | 0.248%        |
| 19        | 5.379       | 694           | 704         | 719          | rBV      | 86545          | 260012        | 34.69%          | 5.640%        |
| 20        | 5.544       | 722           | 731         | 751          | rVV      | 131446         | 386154        | 51.51%          | 8.376%        |
| 21        | 5.952       | 788           | 798         | 810          | rBV2     | 105825         | 283931        | 37.88%          | 6.159%        |
| 22        | 6.757       | 921           | 930         | 951          | rBV      | 222651         | 548251        | 73.14%          | 11.893%       |
| 23        | 7.129       | 984           | 991         | 997          | rBV4     | 8466           | 20050         | 2.67%           | 0.435%        |
| 24        | 8.647       | 1230          | 1240        | 1250         | rBV      | 469190         | 749629        | 100.00%         | 16.261%       |
| 25        | 10.055      | 1465          | 1471        | 1484         | rBV      | 445288         | 648296        | 86.48%          | 14.063%       |
| 26        | 11.079      | 1634          | 1639        | 1655         | rBV      | 356913         | 467573        | 62.37%          | 10.143%       |
| 27        | 12.018      | 1788          | 1793        | 1805         | rBV      | 436358         | 553977        | 73.90%          | 12.017%       |

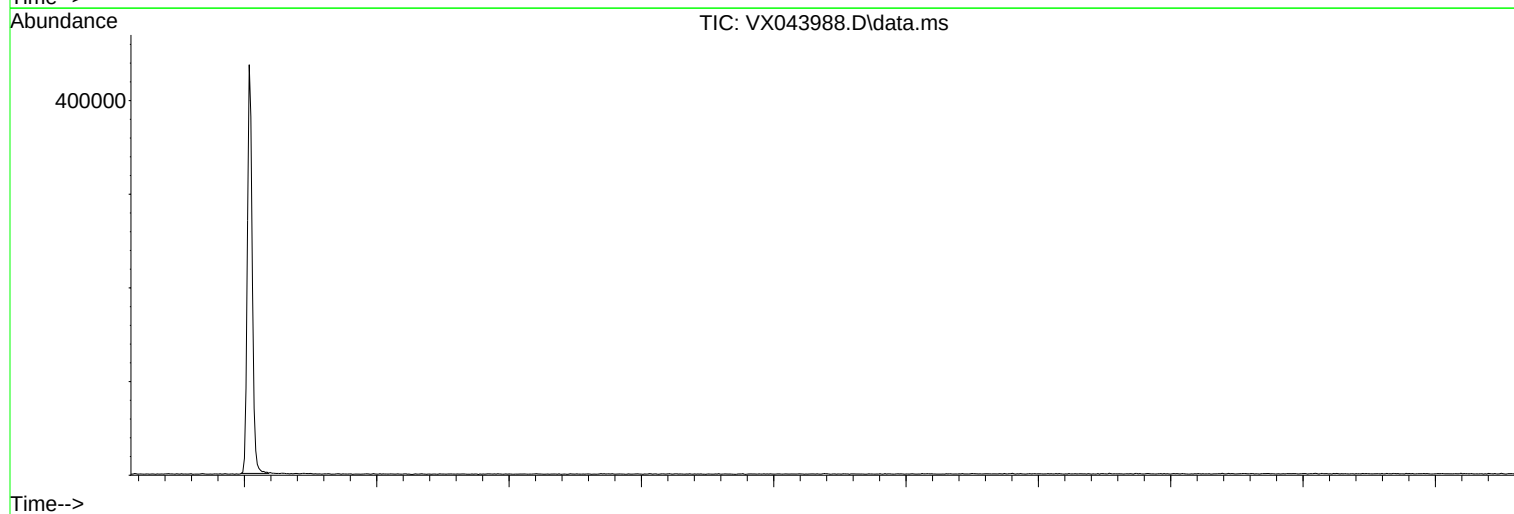
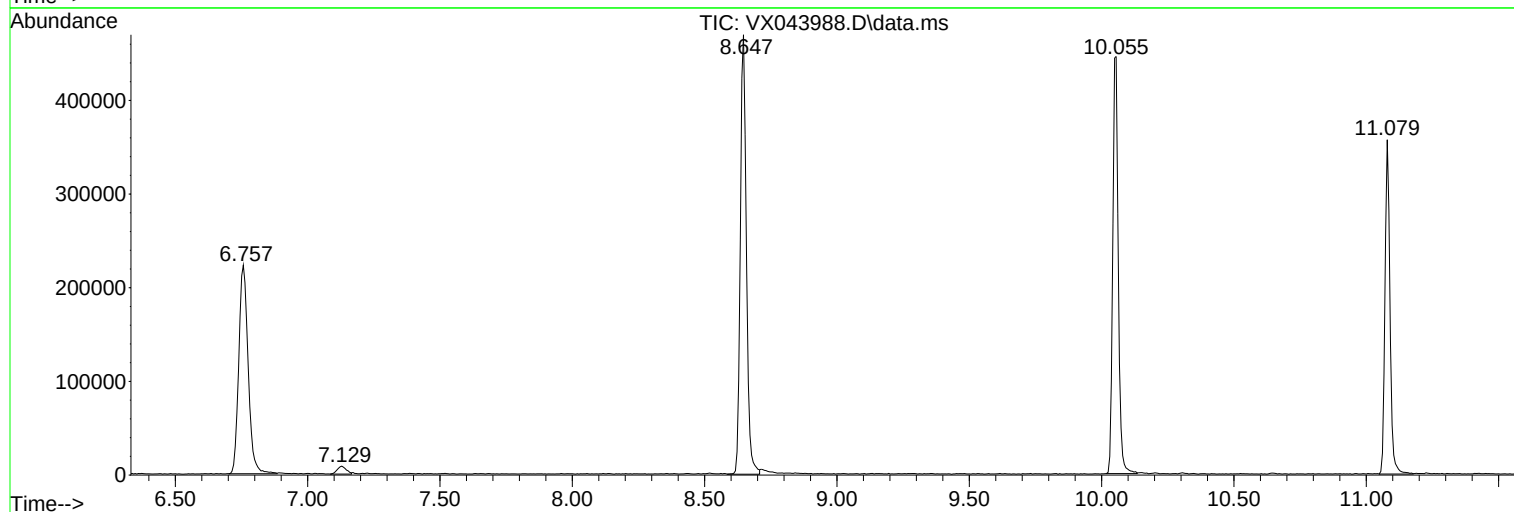
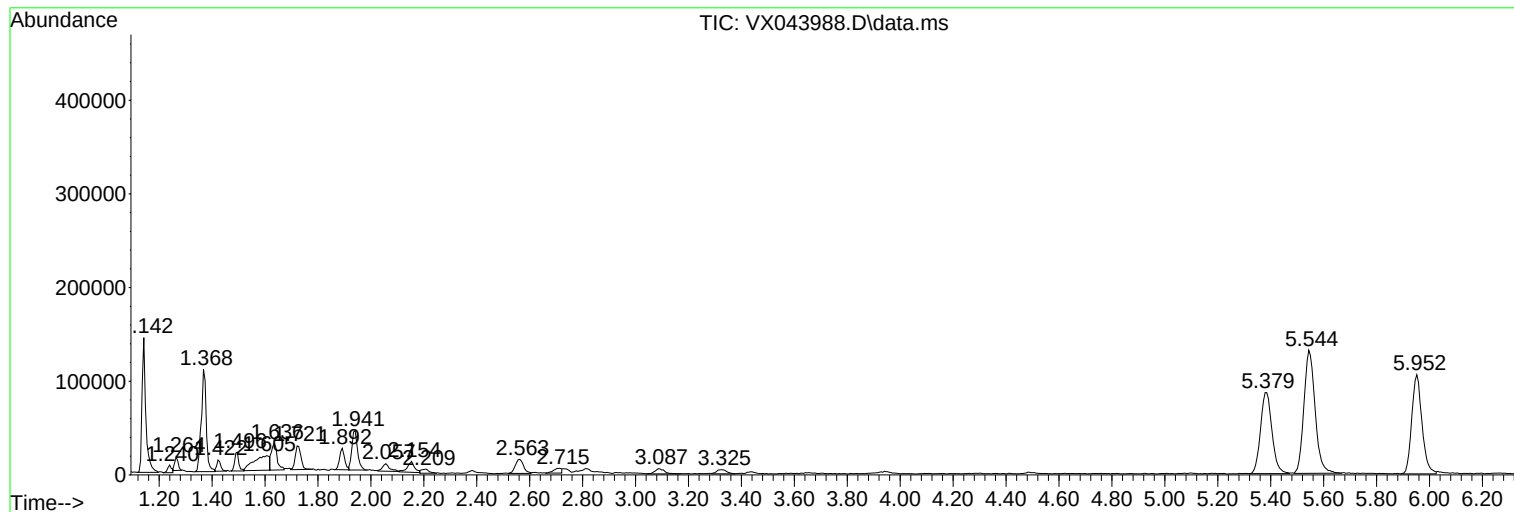
Sum of corrected areas: 4610000

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043988.D  
Acq On : 25 Nov 2024 15:49  
Operator : JC/MD  
Sample : P4873-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-30-20241114

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043988.D  
Acq On : 25 Nov 2024 15:49  
Operator : JC/MD  
Sample : P4873-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-30-20241114

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

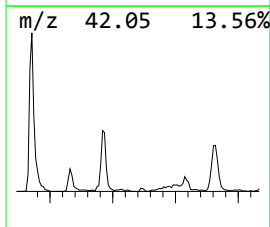
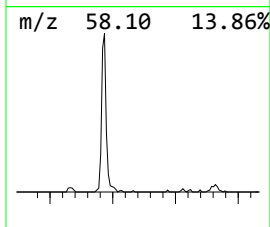
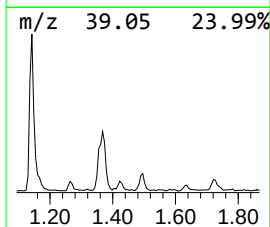
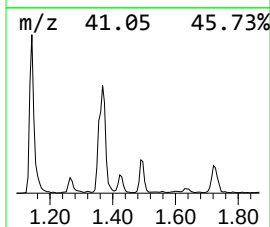
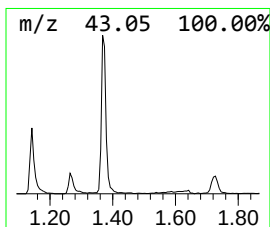
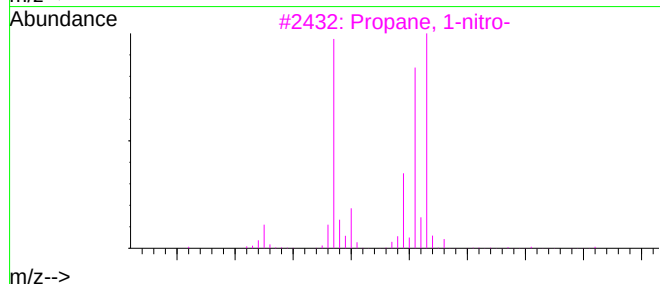
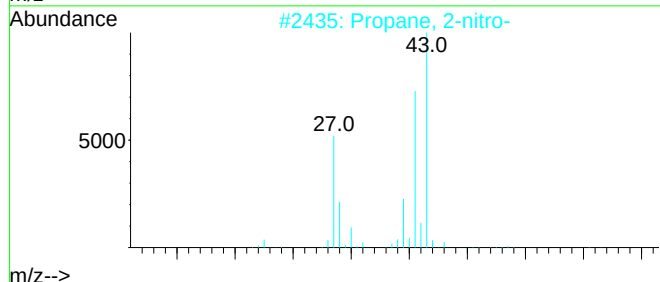
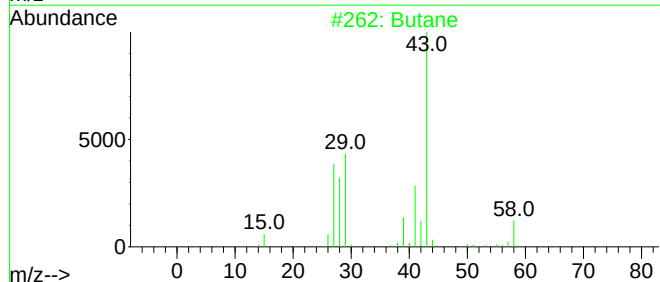
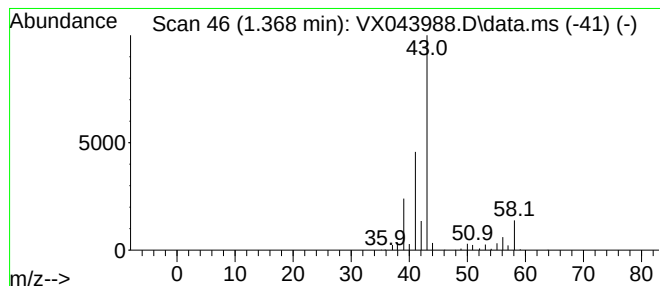
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 2 Butane Concentration Rank 2

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 1.368 | 18.44 ug/l | 142447 | Pentafluorobenzene | 5.544 |

| Hit# of 5 | Tentative ID               | MW  | MolForm   | CAS#        | Qual |
|-----------|----------------------------|-----|-----------|-------------|------|
| 1         | Butane                     | 58  | C4H10     | 000106-97-8 | 53   |
| 2         | Propane, 2-nitro-          | 89  | C3H7NO2   | 000079-46-9 | 9    |
| 3         | Propane, 1-nitro-          | 89  | C3H7NO2   | 000108-03-2 | 9    |
| 4         | Diazene, dimethyl-         | 58  | C2H6N2    | 000503-28-6 | 5    |
| 5         | Isopropylsulfonyl chloride | 142 | C3H7ClO2S | 010147-37-2 | 4    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043988.D  
Acq On : 25 Nov 2024 15:49  
Operator : JC/MD  
Sample : P4873-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-30-20241114

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

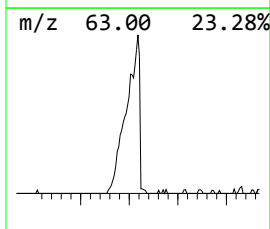
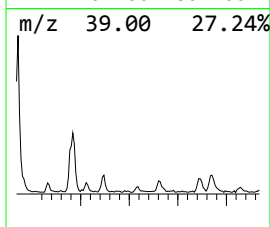
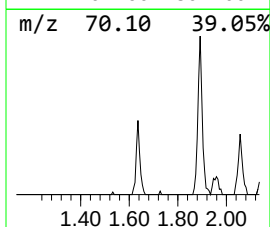
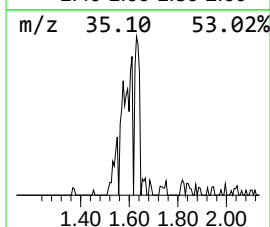
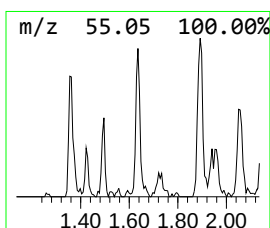
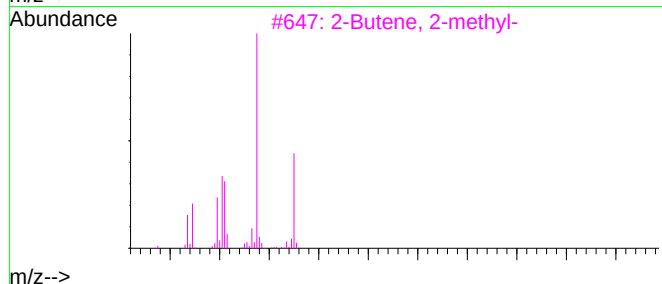
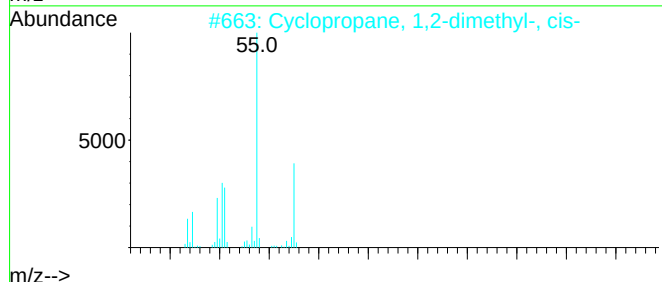
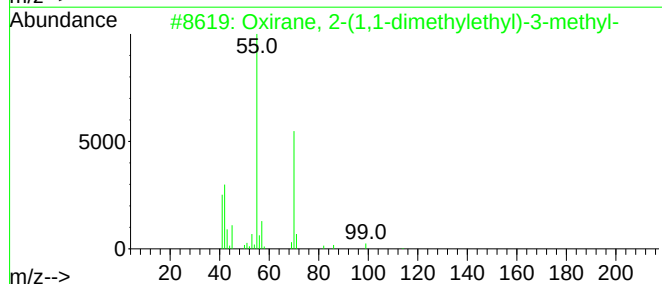
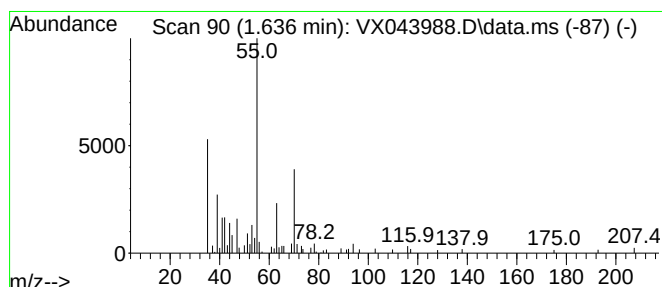
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 4 unknown1.636 Concentration Rank 5

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 1.636 | 5.46 ug/l | 42191 | Pentafluorobenzene | 5.544 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|-----------|-------------------------------------|-----|---------|-------------|------|
| 1         | Oxirane, 2-(1,1-dimethylethyl)-3... | 114 | C7H14O  | 053897-30-6 | 17   |
| 2         | Cyclopropane, 1,2-dimethyl-, cis-   | 70  | C5H10   | 000930-18-7 | 11   |
| 3         | 2-Butene, 2-methyl-                 | 70  | C5H10   | 000513-35-9 | 11   |
| 4         | Cyclopropane, 1,1-dimethyl-         | 70  | C5H10   | 001630-94-0 | 11   |
| 5         | 2-Pentene, (E)-                     | 70  | C5H10   | 000646-04-8 | 11   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043988.D  
Acq On : 25 Nov 2024 15:49  
Operator : JC/MD  
Sample : P4873-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-30-20241114

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

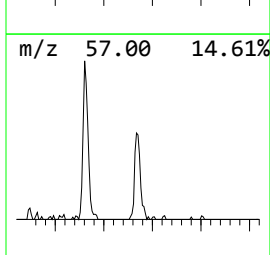
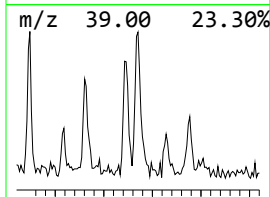
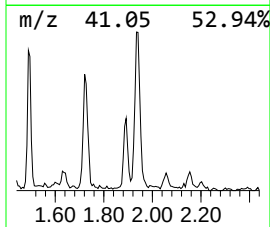
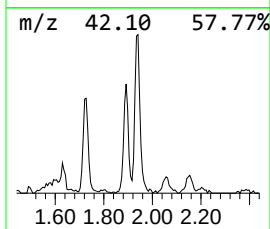
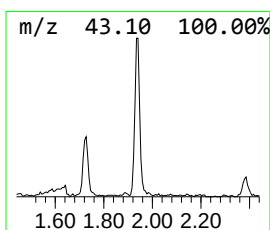
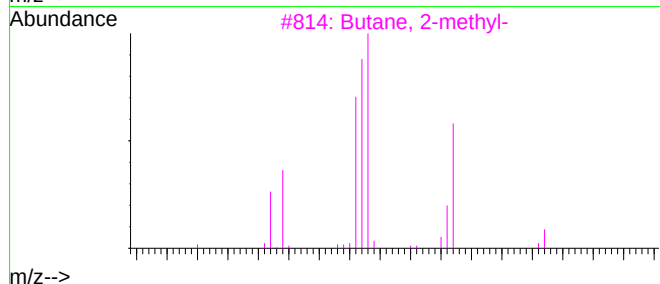
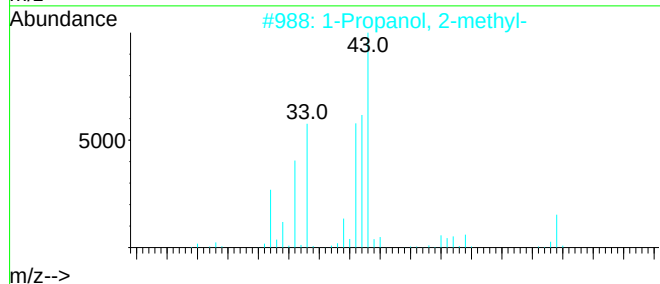
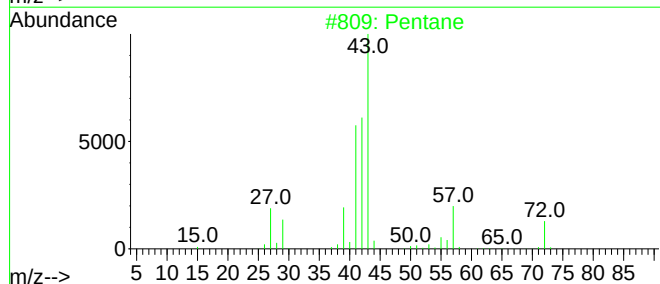
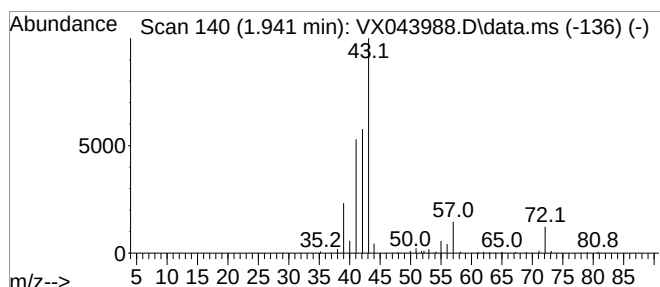
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 5 Pentane Concentration Rank 4

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 1.941 | 8.06 ug/l | 62258 | Pentafluorobenzene | 5.544 |

| Hit# of 5 | Tentative ID          | MW | MolForm | CAS#        | Qual |
|-----------|-----------------------|----|---------|-------------|------|
| 1         | Pentane               | 72 | C5H12   | 000109-66-0 | 91   |
| 2         | 1-Propanol, 2-methyl- | 74 | C4H10O  | 000078-83-1 | 38   |
| 3         | Butane, 2-methyl-     | 72 | C5H12   | 000078-78-4 | 12   |
| 4         | Oxirane, ethyl-       | 72 | C4H8O   | 000106-88-7 | 9    |
| 5         | 1-Propene, 2-methoxy- | 72 | C4H8O   | 000116-11-0 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043988.D  
Acq On : 25 Nov 2024 15:49  
Operator : JC/MD  
Sample : P4873-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-30-20241114

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

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| Butane           | 1.368 | 18.4    | ug/l  | 142447   | 1                     | 5.544 | 386154 | 50.0 |
| unknown1.636     | 1.636 | 5.5     | ug/l  | 42191    | 1                     | 5.544 | 386154 | 50.0 |
| Pentane          | 1.941 | 8.1     | ug/l  | 62258    | 1                     | 5.544 | 386154 | 50.0 |



### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | TB-2                                |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-03                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043972.D        | 1         |           | 11/22/24 19:56 | VX112224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.60  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | TB-2                                |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-03                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043972.D        | 1         |           | 11/22/24 19:56 | VX112224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 2.50   | U         | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.75   | U         | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.50   | U         | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.75   | U         | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.4   |           | 81 - 118 |      | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 45.1   |           | 80 - 119 |      | 90%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 48.2   |           | 89 - 112 |      | 96%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 47.7   |           | 85 - 114 |      | 95%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 113000 | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 216000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 189000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 77800  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |
| Client Sample ID:  | TB-2                                |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-03                            |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043972.D        | 1         |           | 11/22/24 19:56 | VX112224      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043972.D  
 Acq On : 22 Nov 2024 19:56  
 Operator : JC/MD  
 Sample : P4873-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-2

Quant Time: Nov 22 22:30:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

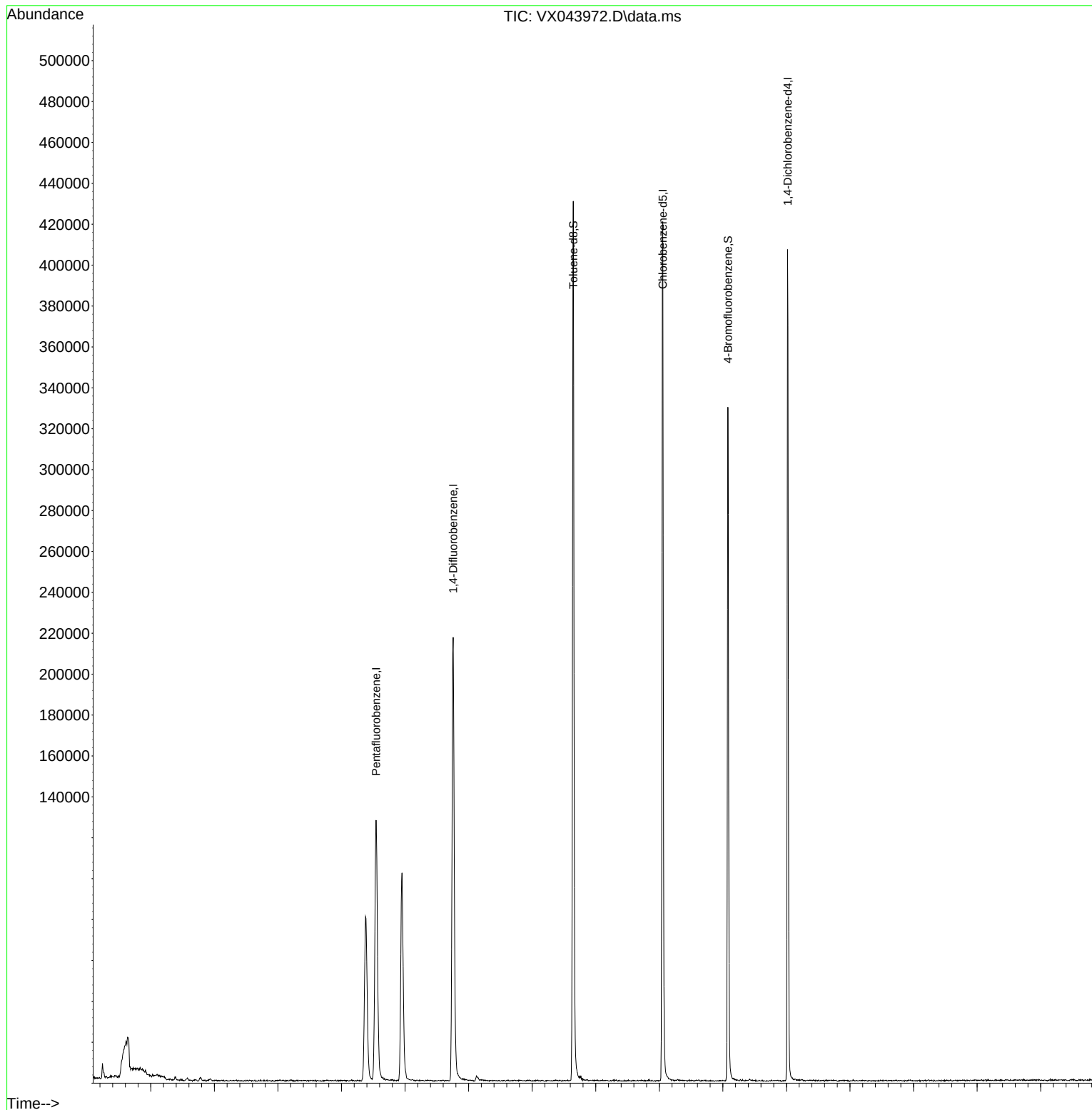
| Compound                    | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min)    |
|-----------------------------|--------|----------------|----------|--------|----------|-------------|
| -----                       |        |                |          |        |          |             |
| Internal Standards          |        |                |          |        |          |             |
| 1) Pentafluorobenzene       | 5.544  | 168            | 112888   | 50.000 | ug/l     | 0.00        |
| 34) 1,4-Difluorobenzene     | 6.757  | 114            | 216240   | 50.000 | ug/l     | 0.00        |
| 63) Chlorobenzene-d5        | 10.055 | 117            | 188871   | 50.000 | ug/l     | 0.00        |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152            | 77834    | 50.000 | ug/l     | 0.00        |
|                             |        |                |          |        |          |             |
| System Monitoring Compounds |        |                |          |        |          |             |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65             | 97617    | 50.416 | ug/l     | 0.00        |
| Spiked Amount               | 50.000 | Range 74 - 125 | Recovery | =      | 100.840% |             |
| 35) Dibromofluoromethane    | 5.379  | 113            | 69712    | 45.117 | ug/l     | 0.00        |
| Spiked Amount               | 50.000 | Range 75 - 124 | Recovery | =      | 90.240%  |             |
| 50) Toluene-d8              | 8.647  | 98             | 256585   | 48.174 | ug/l     | 0.00        |
| Spiked Amount               | 50.000 | Range 86 - 113 | Recovery | =      | 96.340%  |             |
| 62) 4-Bromofluorobenzene    | 11.079 | 95             | 86524    | 47.733 | ug/l     | 0.00        |
| Spiked Amount               | 50.000 | Range 77 - 121 | Recovery | =      | 95.460%  |             |
|                             |        |                |          |        |          |             |
| Target Compounds            |        |                |          |        |          |             |
| 16) Acetone                 | 2.379  | 43             | 1465     | 1.647  | ug/l     | Qvalue # 83 |
| -----                       |        |                |          |        |          |             |

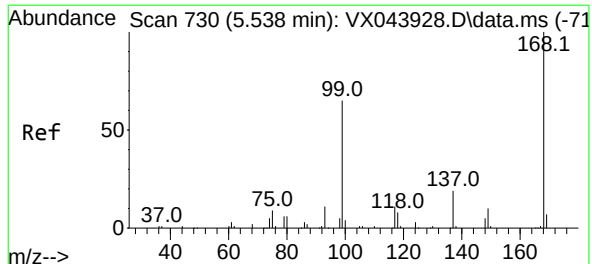
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043972.D  
Acq On : 22 Nov 2024 19:56  
Operator : JC/MD  
Sample : P4873-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-2

Quant Time: Nov 22 22:30:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX043972.D

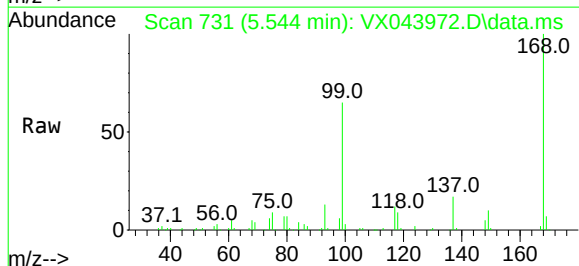
Acq: 22 Nov 2024 19:56

Instrument :

MSVOA\_X

ClientSampleId :

TB-2

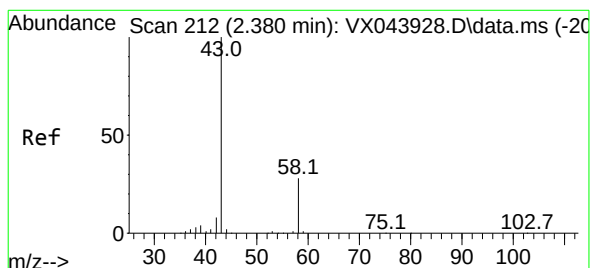
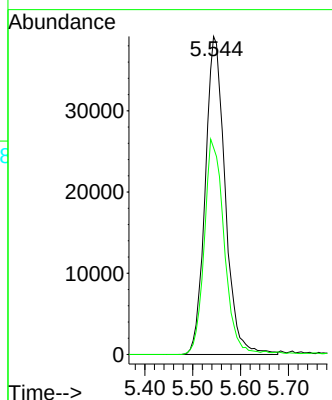
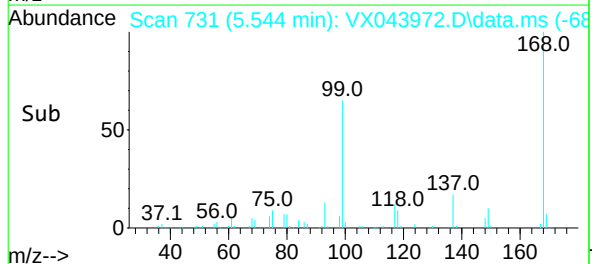


Tgt Ion:168 Resp: 112888

Ion Ratio Lower Upper

168 100

99 65.0 51.8 77.8



#16

Acetone

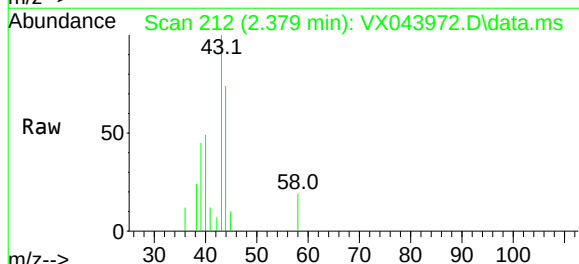
Concen: 1.647 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043972.D

Acq: 22 Nov 2024 19:56

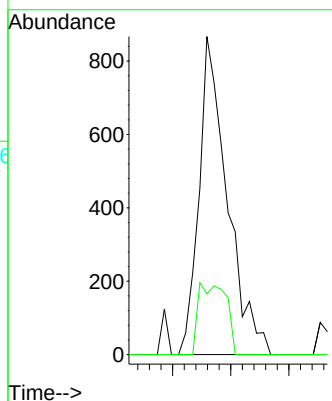
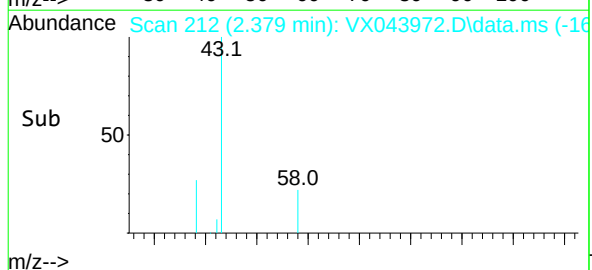


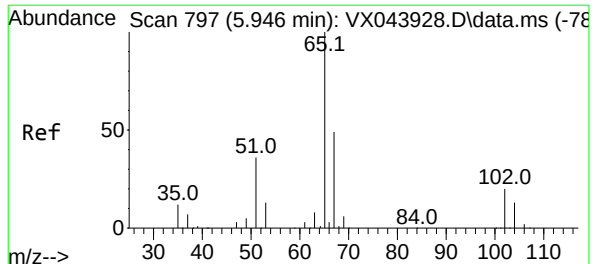
Tgt Ion: 43 Resp: 1465

Ion Ratio Lower Upper

43 100

58 19.1 22.7 34.1#

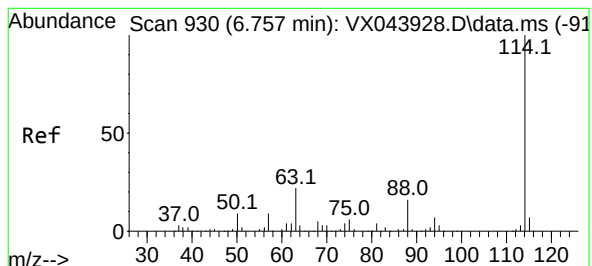
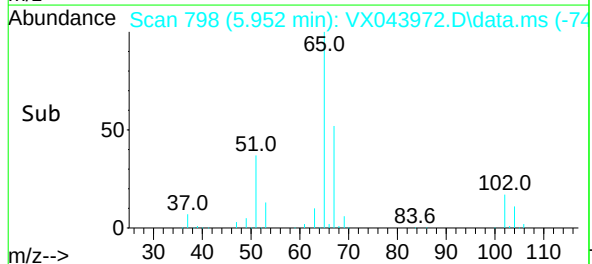
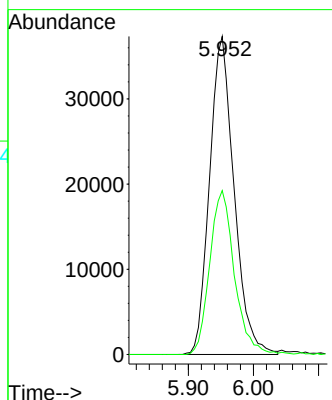
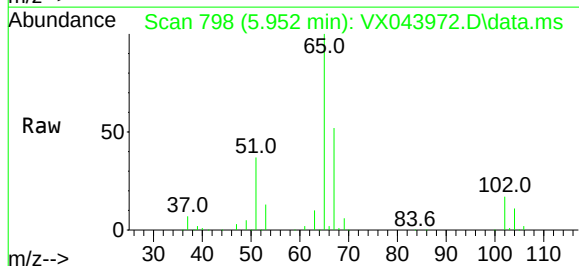




#33  
1,2-Dichloroethane-d4  
Concen: 50.416 ug/l  
RT: 5.952 min Scan# 79  
Delta R.T. 0.006 min  
Lab File: VX043972.D  
Acq: 22 Nov 2024 19:56

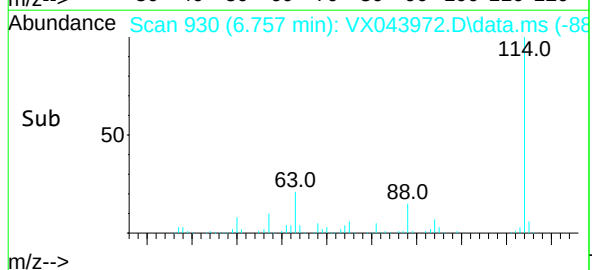
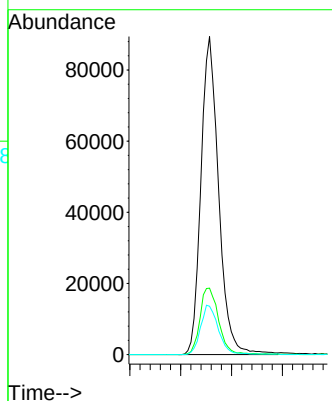
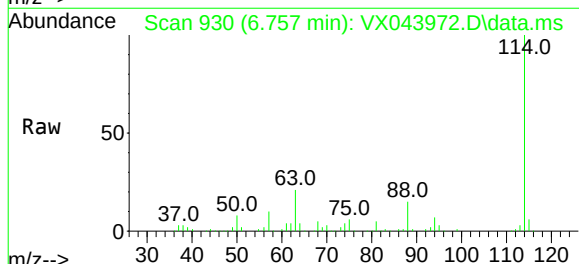
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-2

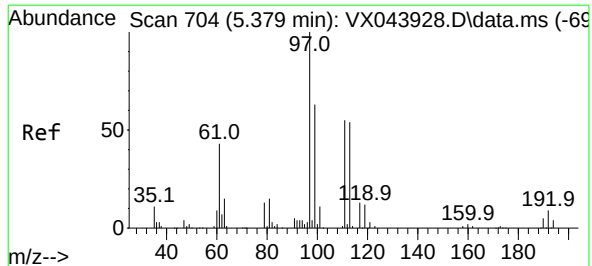
Tgt Ion: 65 Resp: 97617  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 100.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043972.D  
Acq: 22 Nov 2024 19:56

Tgt Ion: 114 Resp: 216240  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 44.0  
88 15.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.117 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043972.D

Acq: 22 Nov 2024 19:56

Instrument :

MSVOA\_X

ClientSampleId :

TB-2

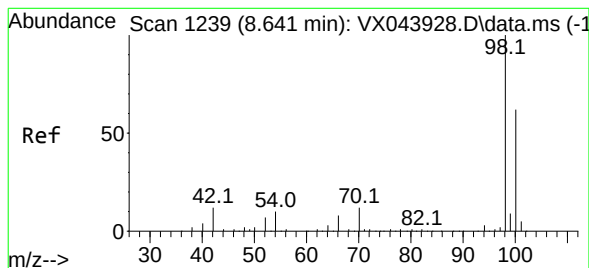
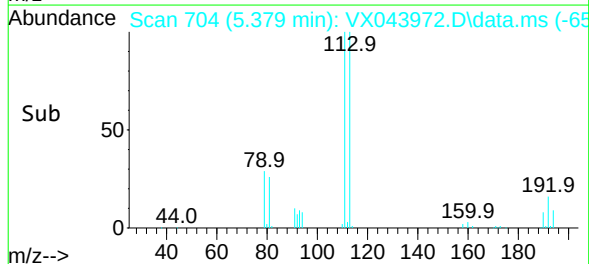
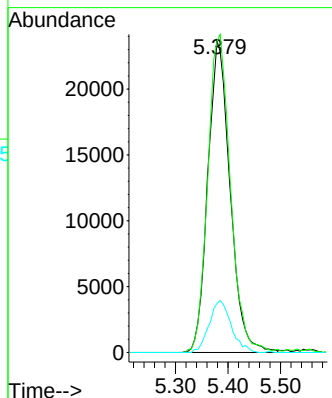
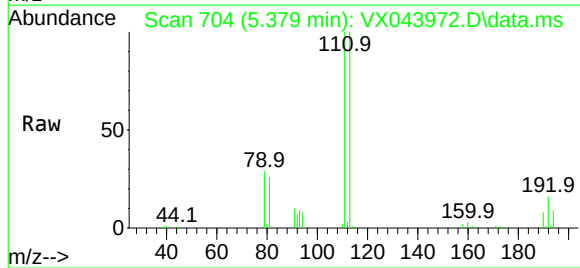
Tgt Ion:113 Resp: 69712

Ion Ratio Lower Upper

113 100

111 104.0 81.0 121.4

192 16.5 13.0 19.6



#50

Toluene-d8

Concen: 48.174 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043972.D

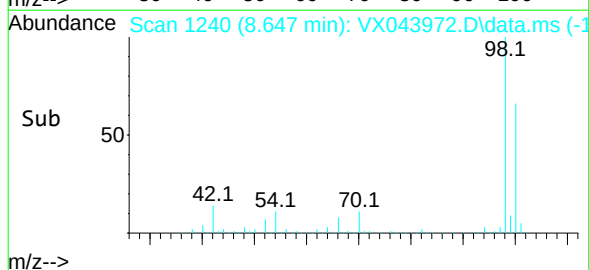
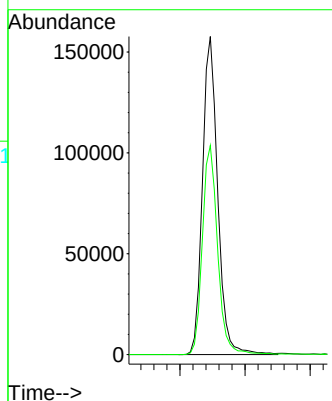
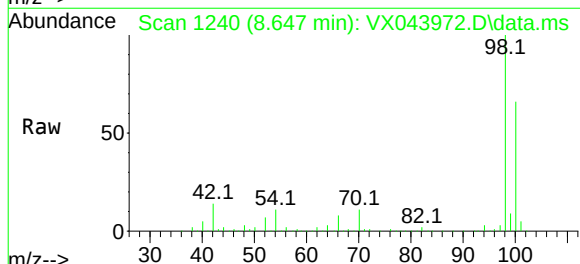
Acq: 22 Nov 2024 19:56

Tgt Ion: 98 Resp: 256585

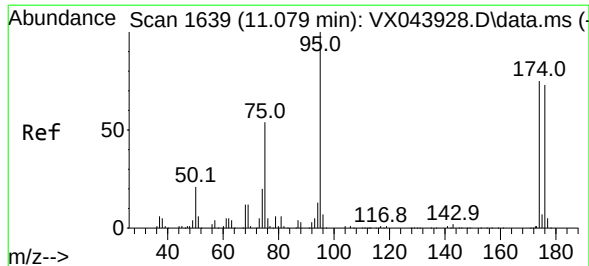
Ion Ratio Lower Upper

98 100

100 65.7 52.6 79.0







#62

4-Bromofluorobenzene

Concen: 47.733 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043972.D

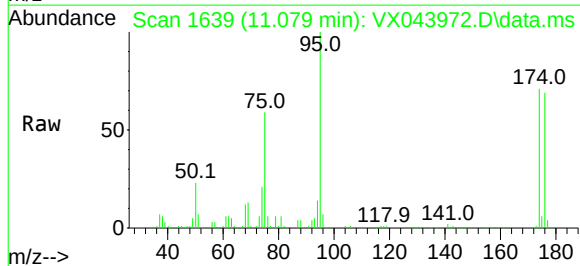
Acq: 22 Nov 2024 19:56

Instrument :

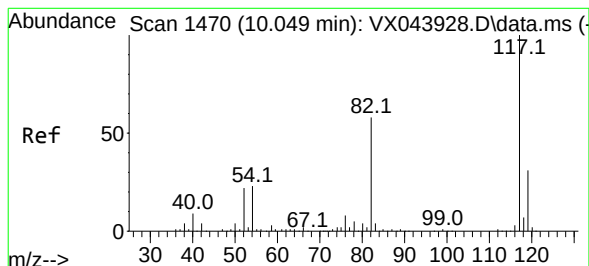
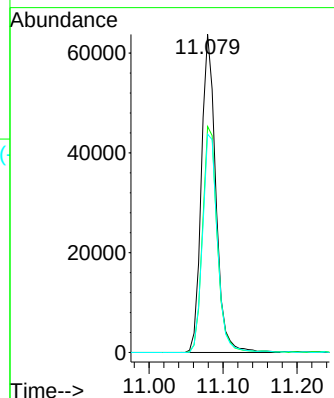
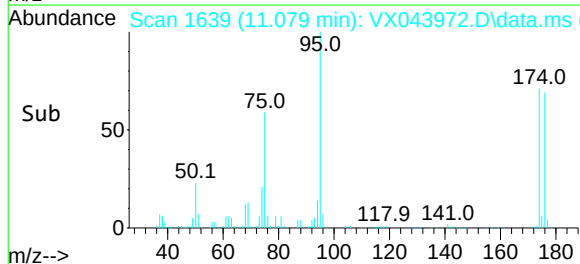
MSVOA\_X

ClientSampleId :

TB-2



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 86524 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 71.9  | 0.0   | 150.4 |
| 176      | 70.6  | 0.0   | 146.0 |



#63

Chlorobenzene-d5

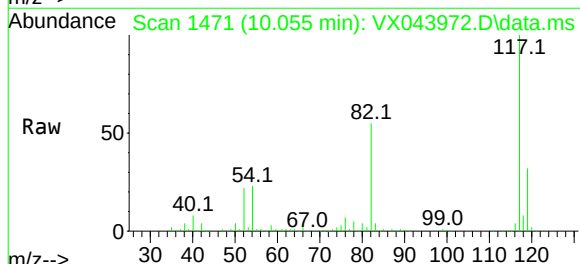
Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

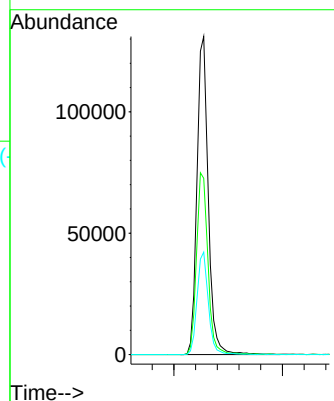
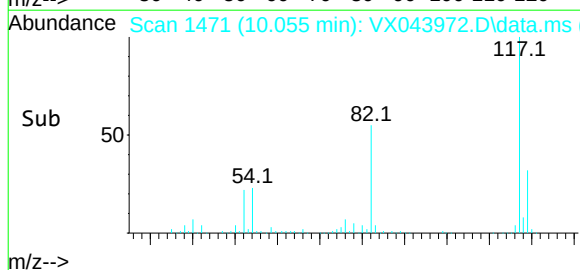
Delta R.T. 0.006 min

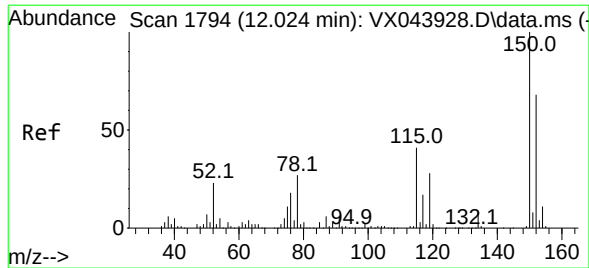
Lab File: VX043972.D

Acq: 22 Nov 2024 19:56



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 188871 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.4  | 46.4  | 69.6   |
| 119      | 32.2  | 24.6  | 37.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 17

Delta R.T. -0.006 min

Lab File: VX043972.D

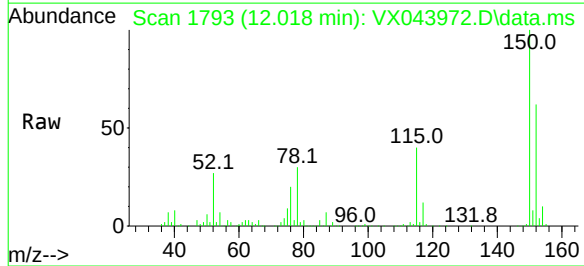
Acq: 22 Nov 2024 19:56

Instrument :

MSVOA\_X

ClientSampleId :

TB-2



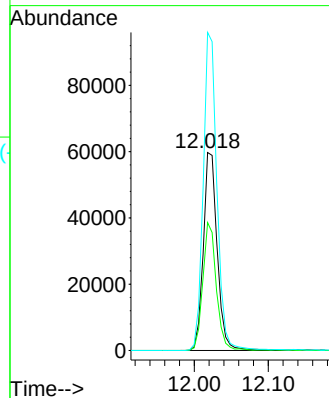
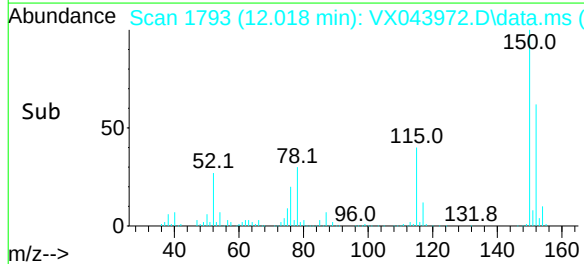
Tgt Ion:152 Resp: 77834

Ion Ratio Lower Upper

152 100

115 62.7 45.4 136.2

150 159.1 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043972.D  
Acq On : 22 Nov 2024 19:56  
Operator : JC/MD  
Sample : P4873-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-2

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

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

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

Signal : TIC: VX043972.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         | 1.239       | 20            | 25          | 32           | rBV2     | 7581           | 11689         | 1.65%           | 0.308%        |
| 2         | 1.611       | 69            | 86          | 88           | rBV7     | 17463          | 76697         | 10.85%          | 2.023%        |
| 3         | 5.379       | 693           | 704         | 719          | rBV2     | 80385          | 243047        | 34.39%          | 6.412%        |
| 4         | 5.544       | 721           | 731         | 748          | rVV2     | 126822         | 367267        | 51.97%          | 9.690%        |
| 5         | 5.952       | 789           | 798         | 817          | rBV2     | 101676         | 275303        | 38.96%          | 7.263%        |
| 6         | 6.757       | 919           | 930         | 947          | rBV      | 216936         | 532477        | 75.35%          | 14.048%       |
| 7         | 8.647       | 1233          | 1240        | 1254         | rBV      | 429894         | 706704        | 100.00%         | 18.645%       |
| 8         | 10.055      | 1465          | 1471        | 1490         | rBV      | 420041         | 621581        | 87.95%          | 16.399%       |
| 9         | 11.079      | 1634          | 1639        | 1651         | rBV      | 329171         | 439896        | 62.25%          | 11.606%       |
| 10        | 12.018      | 1788          | 1793        | 1805         | rBV      | 406481         | 515683        | 72.97%          | 13.605%       |

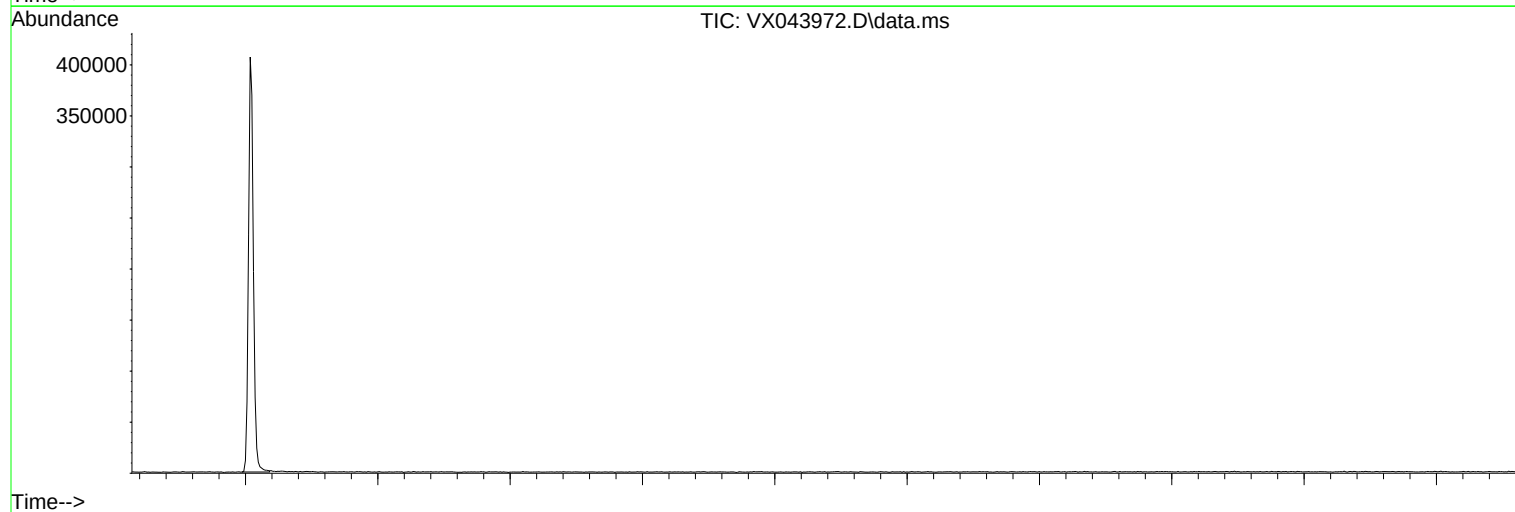
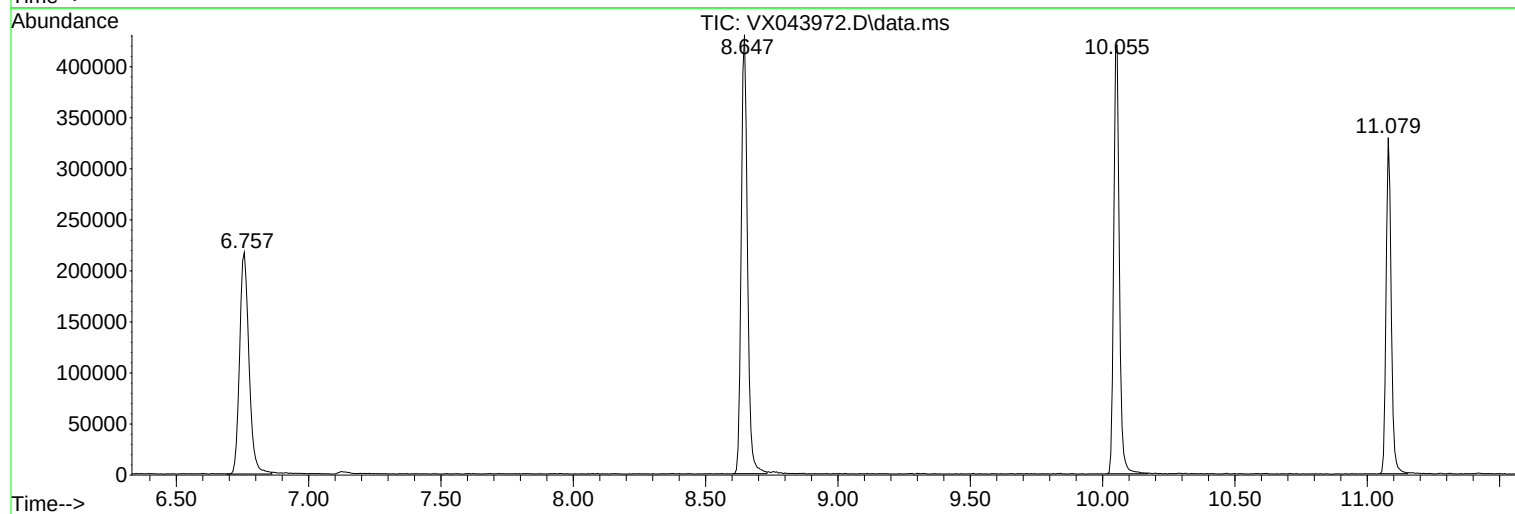
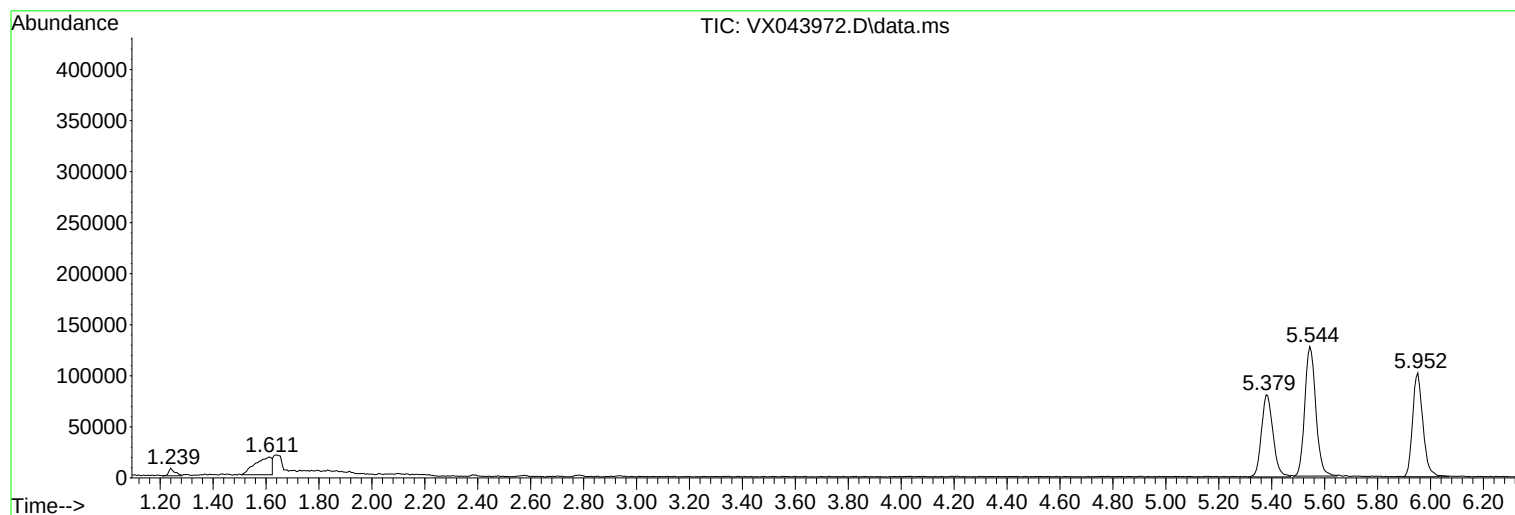
Sum of corrected areas: 3790344

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043972.D  
Acq On : 22 Nov 2024 19:56  
Operator : JC/MD  
Sample : P4873-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-2

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043972.D  
Acq On : 22 Nov 2024 19:56  
Operator : JC/MD  
Sample : P4873-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-2

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

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043972.D  
Acq On : 22 Nov 2024 19:56  
Operator : JC/MD  
Sample : P4873-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-2

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

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

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

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-MW-19-20241114                 |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-04                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043989.D        | 1         |           | 11/25/24 16:12 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.40  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 4.90  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-MW-19-20241114                 |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-04                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043989.D        | 1         |           | 11/25/24 16:12 | VX112524      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 2.50   | U         | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.75   | U         | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.50   | U         | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.75   | U         | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 51.6   |           | 81 - 118 |      | 103%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 46.9   |           | 80 - 119 |      | 94%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 49.2   |           | 89 - 112 |      | 98%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 46.1   |           | 85 - 114 |      | 92%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 122000 | 5.549     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 237000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 204000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 83700  | 12.018    |          |      |            |         |



## Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-19-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-04                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043989.D        | 1         |           | 11/25/24 16:12 | VX112524      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043989.D  
 Acq On : 25 Nov 2024 16:12  
 Operator : JC/MD  
 Sample : P4873-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-19-20241114

Quant Time: Nov 26 00:50:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

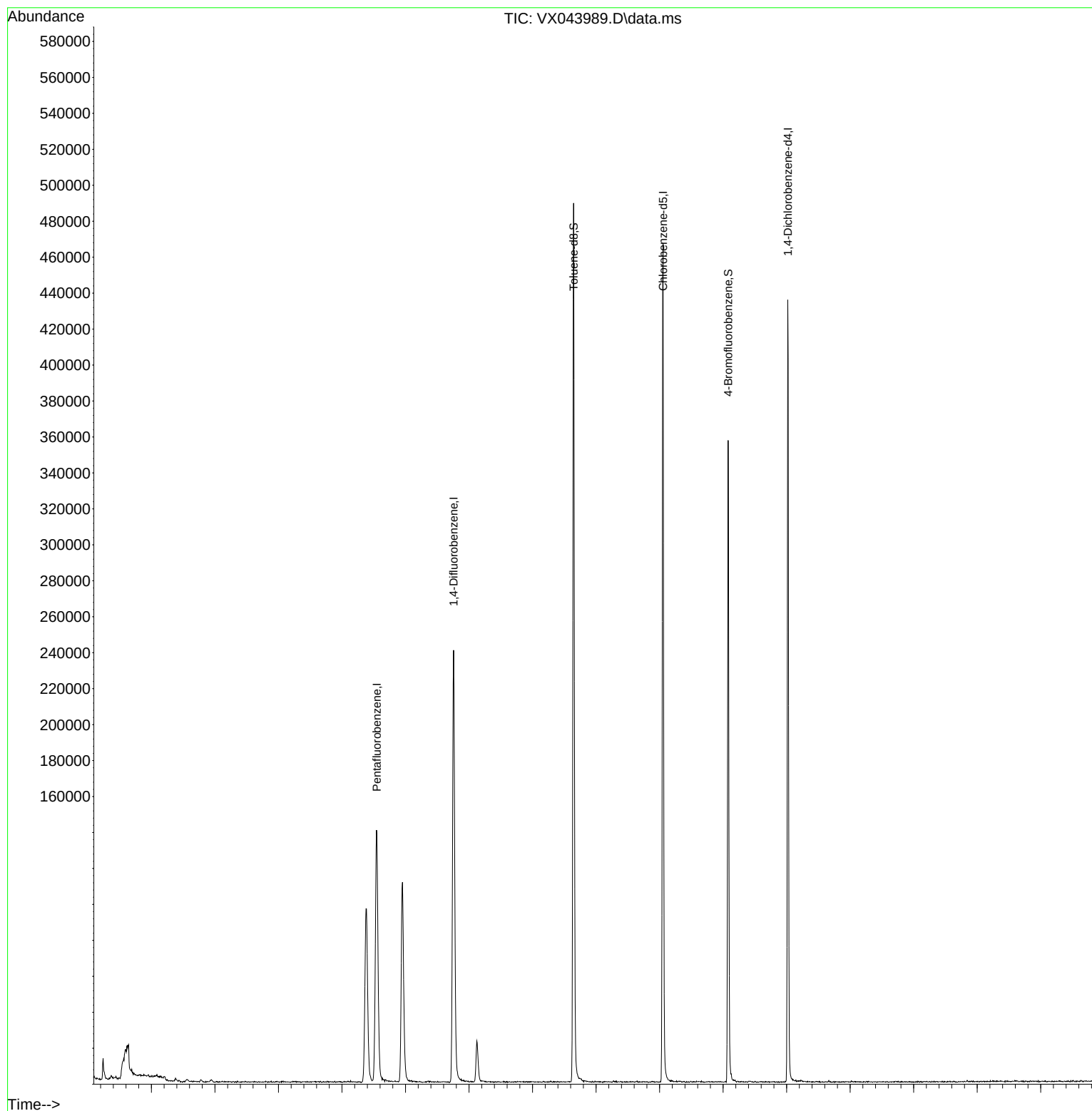
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.549  | 168   | 122379   | 50.000   | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 236964   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 204246   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 83659    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 108381   | 51.634   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 103.260% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 79345    | 46.860   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 93.720%  |
| 50) Toluene-d8              | 8.646  | 98    | 287176   | 49.202   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 98.400%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 91476    | 46.051   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 92.100%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 2.379  | 43    | 1318     | 1.367    | ug/l  | 89       |
| 44) Trichloroethene         | 7.122  | 130   | 9081     | 4.881    | ug/l  | 84       |
| -----                       |        |       |          |          |       |          |

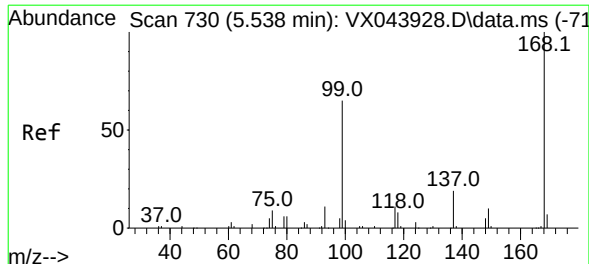
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043989.D  
Acq On : 25 Nov 2024 16:12  
Operator : JC/MD  
Sample : P4873-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-19-20241114

Quant Time: Nov 26 00:50:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.549 min Scan# 73

Delta R.T. 0.011 min

Lab File: VX043989.D

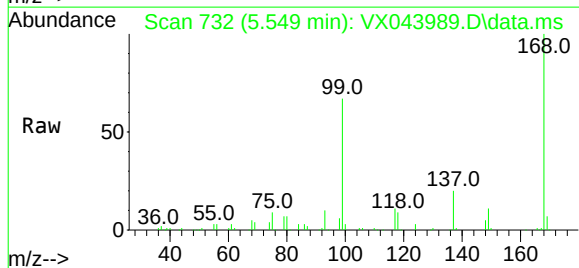
Acq: 25 Nov 2024 16:12

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-19-20241114

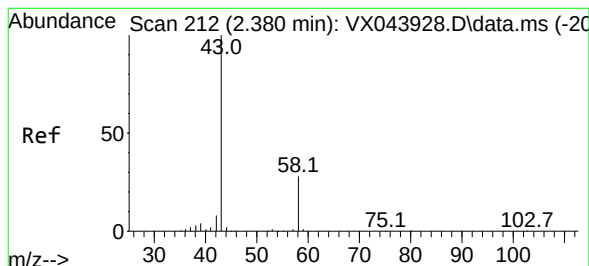
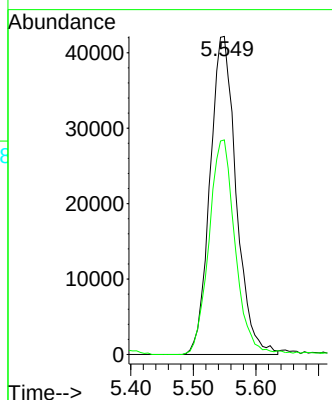
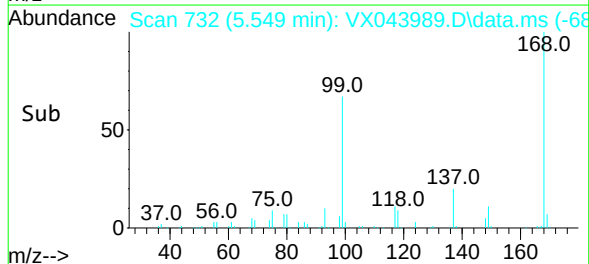


Tgt Ion:168 Resp: 122379

Ion Ratio Lower Upper

168 100

99 67.5 51.8 77.8



#16

Acetone

Concen: 1.367 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043989.D

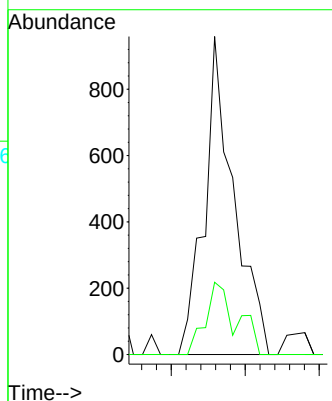
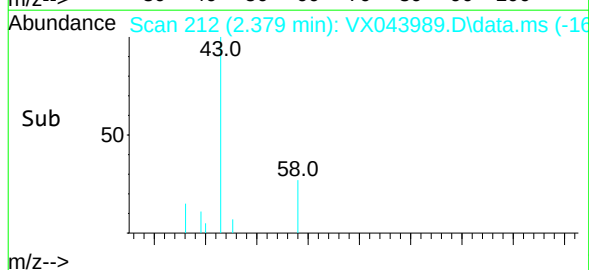
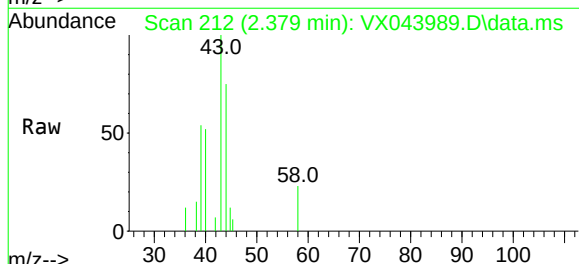
Acq: 25 Nov 2024 16:12

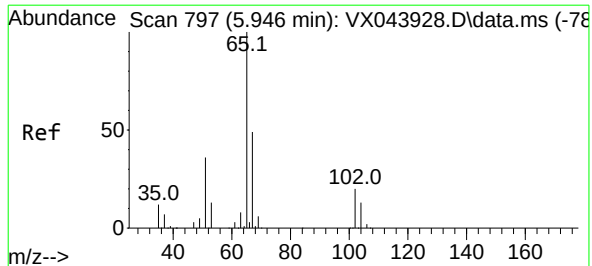
Tgt Ion: 43 Resp: 1318

Ion Ratio Lower Upper

43 100

58 22.7 22.7 34.1





#33

1,2-Dichloroethane-d4

Concen: 51.634 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX043989.D

Acq: 25 Nov 2024 16:12

Instrument :

MSVOA\_X

ClientSampleId :

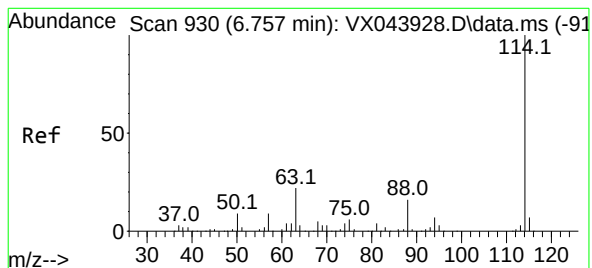
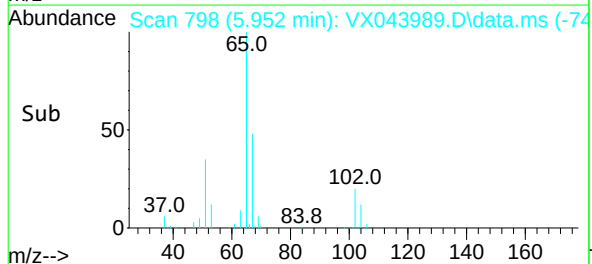
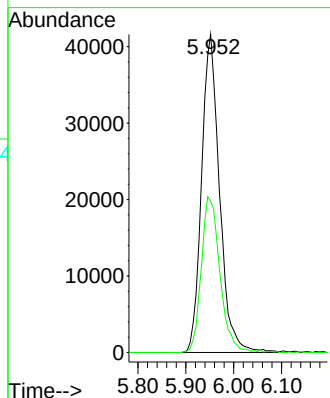
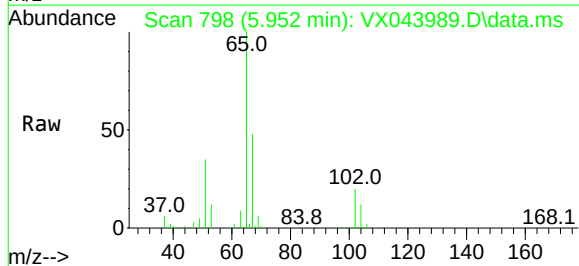
FSND-MW-19-20241114

Tgt Ion: 65 Resp: 108381

Ion Ratio Lower Upper

65 100

67 50.6 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043989.D

Acq: 25 Nov 2024 16:12

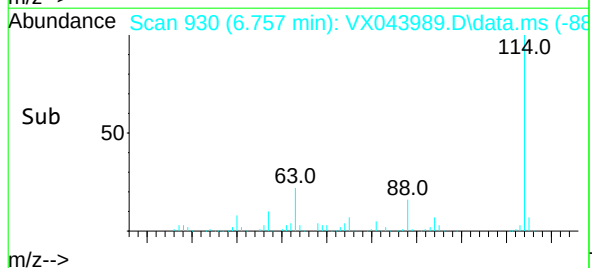
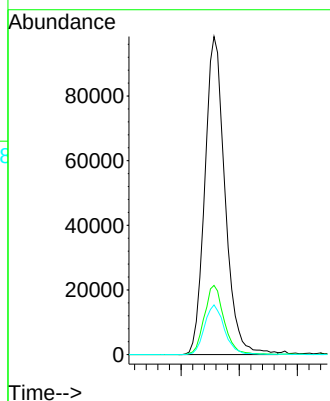
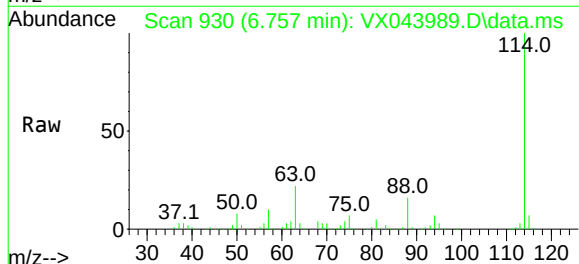
Tgt Ion: 114 Resp: 236964

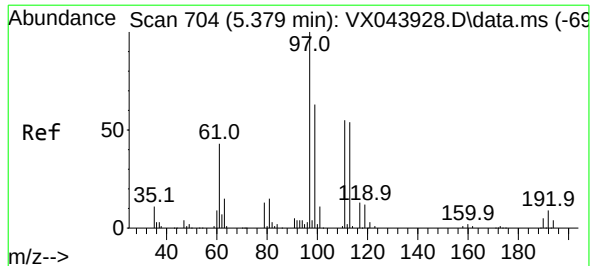
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.860 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043989.D

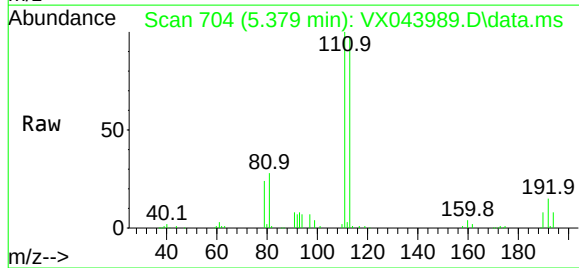
Acq: 25 Nov 2024 16:12

Instrument :

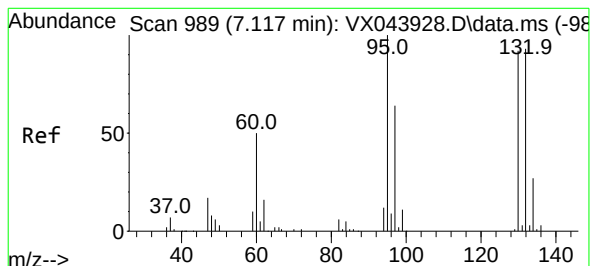
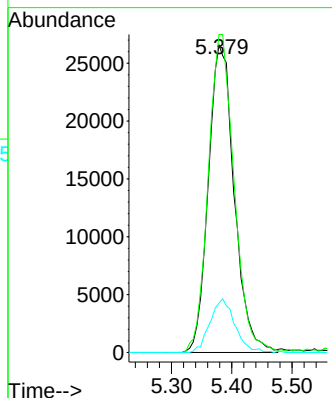
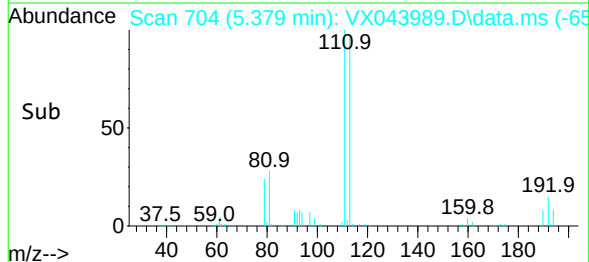
MSVOA\_X

ClientSampleId :

FSND-MW-19-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 79345 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.6 | 81.0  | 121.4 |
| 192      | 16.8  | 13.0  | 19.6  |



#44

Trichloroethene

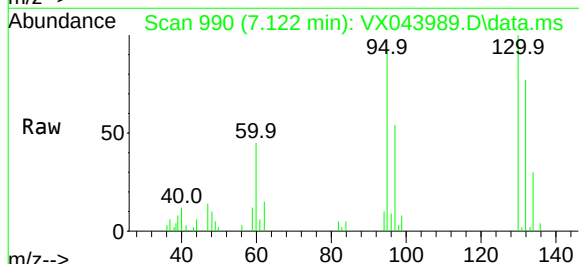
Concen: 4.881 ug/l

RT: 7.122 min Scan# 990

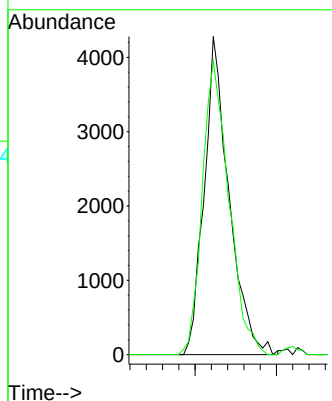
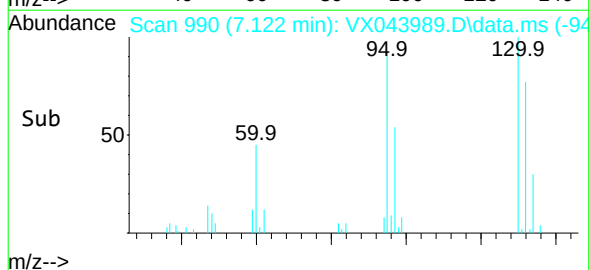
Delta R.T. 0.006 min

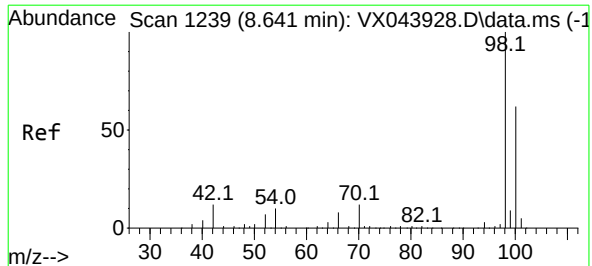
Lab File: VX043989.D

Acq: 25 Nov 2024 16:12



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 9081  |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 92.2  | 0.0   | 217.8 |





#50

Toluene-d8

Concen: 49.202 ug/l

RT: 8.646 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043989.D

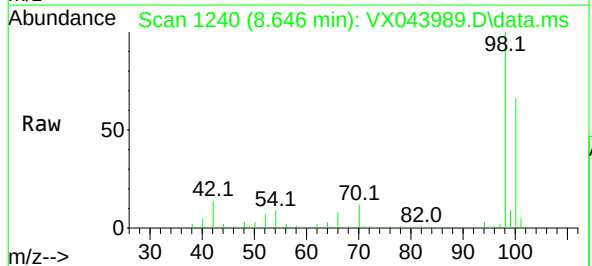
Acq: 25 Nov 2024 16:12

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-19-20241114

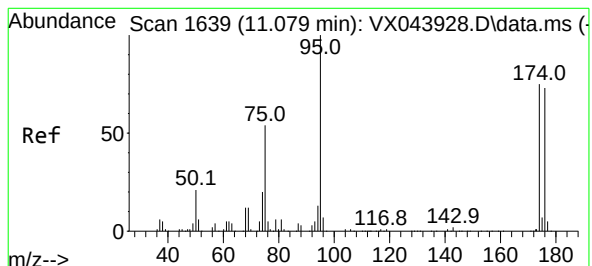
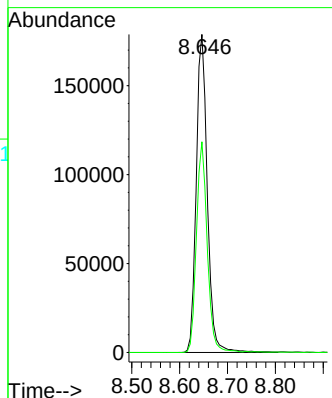
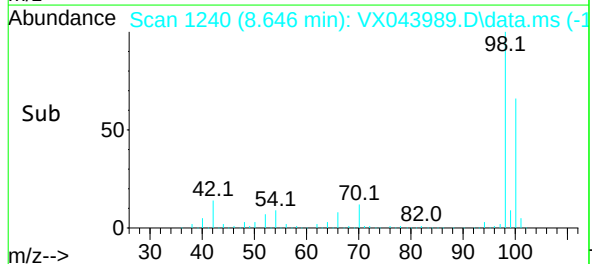


Tgt Ion: 98 Resp: 287176

Ion Ratio Lower Upper

98 100

100 64.7 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 46.051 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043989.D

Acq: 25 Nov 2024 16:12

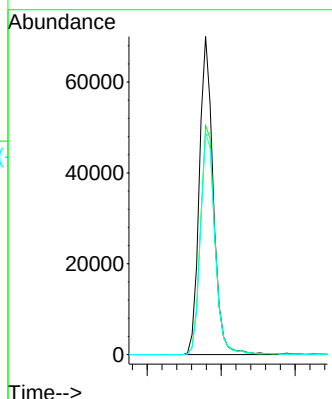
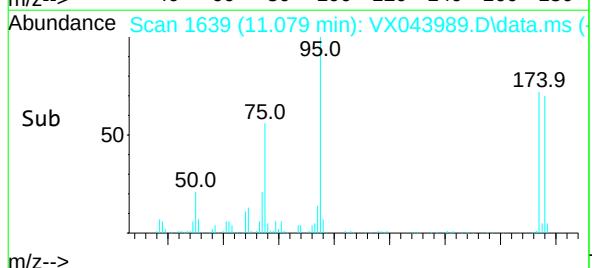
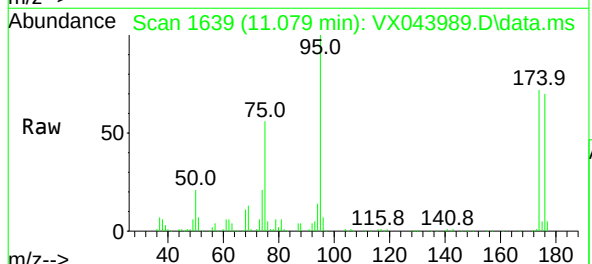
Tgt Ion: 95 Resp: 91476

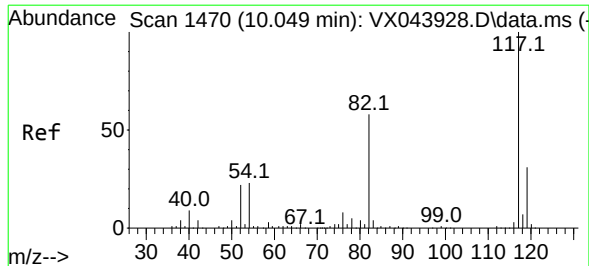
Ion Ratio Lower Upper

95 100

174 75.0 0.0 150.4

176 72.7 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043989.D

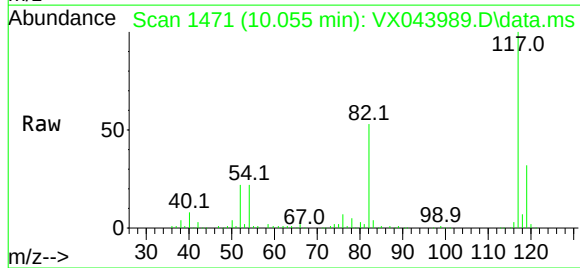
Acq: 25 Nov 2024 16:12

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-19-20241114



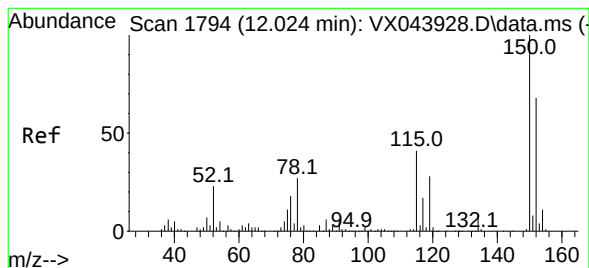
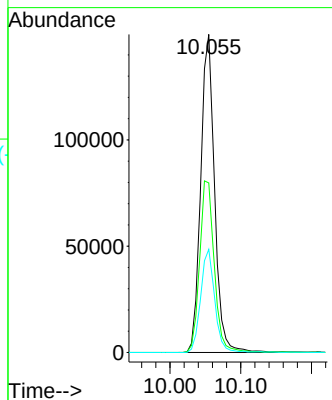
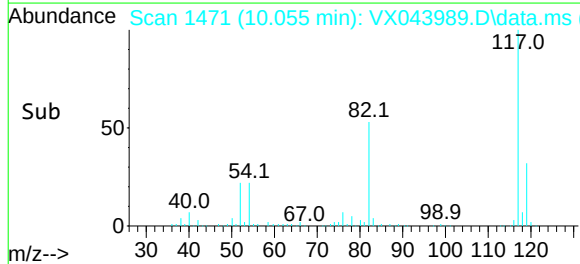
Tgt Ion:117 Resp: 204246

Ion Ratio Lower Upper

117 100

82 53.3 46.4 69.6

119 32.4 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.007 min

Lab File: VX043989.D

Acq: 25 Nov 2024 16:12

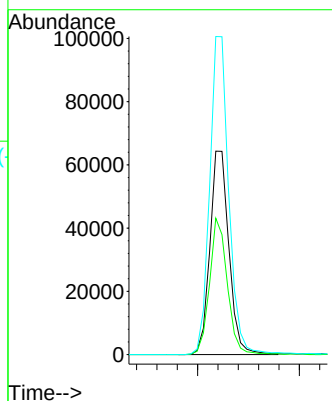
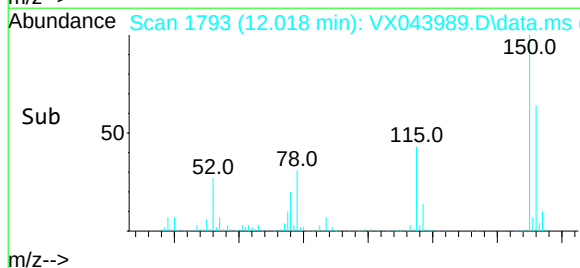
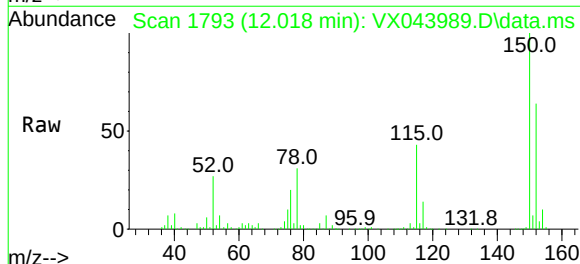
Tgt Ion:152 Resp: 83659

Ion Ratio Lower Upper

152 100

115 62.6 45.4 136.2

150 158.1 0.0 353.0





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043989.D  
 Acq On : 25 Nov 2024 16:12  
 Operator : JC/MD  
 Sample : P4873-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-19-20241114

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VX043989.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         | 1.239       | 21            | 25          | 32           | rBV2     | 11545          | 16026         | 2.04%           | 0.383%        |
| 2         | 1.593       | 69            | 83          | 85           | rBV6     | 16218          | 59010         | 7.51%           | 1.411%        |
| 3         | 5.379       | 691           | 704         | 719          | rBV      | 96773          | 295943        | 37.68%          | 7.078%        |
| 4         | 5.543       | 719           | 731         | 745          | rVV      | 139445         | 402179        | 51.21%          | 9.619%        |
| 5         | 5.952       | 787           | 798         | 814          | rBV2     | 111085         | 296851        | 37.80%          | 7.100%        |
| 6         | 6.757       | 919           | 930         | 949          | rBV      | 240554         | 578595        | 73.68%          | 13.838%       |
| 7         | 7.122       | 982           | 990         | 1000         | rBV2     | 22804          | 53431         | 6.80%           | 1.278%        |
| 8         | 8.646       | 1232          | 1240        | 1255         | rBV      | 488855         | 785308        | 100.00%         | 18.783%       |
| 9         | 10.055      | 1465          | 1471        | 1491         | rBV      | 466392         | 667551        | 85.00%          | 15.966%       |
| 10        | 11.079      | 1634          | 1639        | 1652         | rBV      | 356990         | 472739        | 60.20%          | 11.307%       |
| 11        | 12.018      | 1788          | 1793        | 1806         | rBV      | 434842         | 553429        | 70.47%          | 13.237%       |

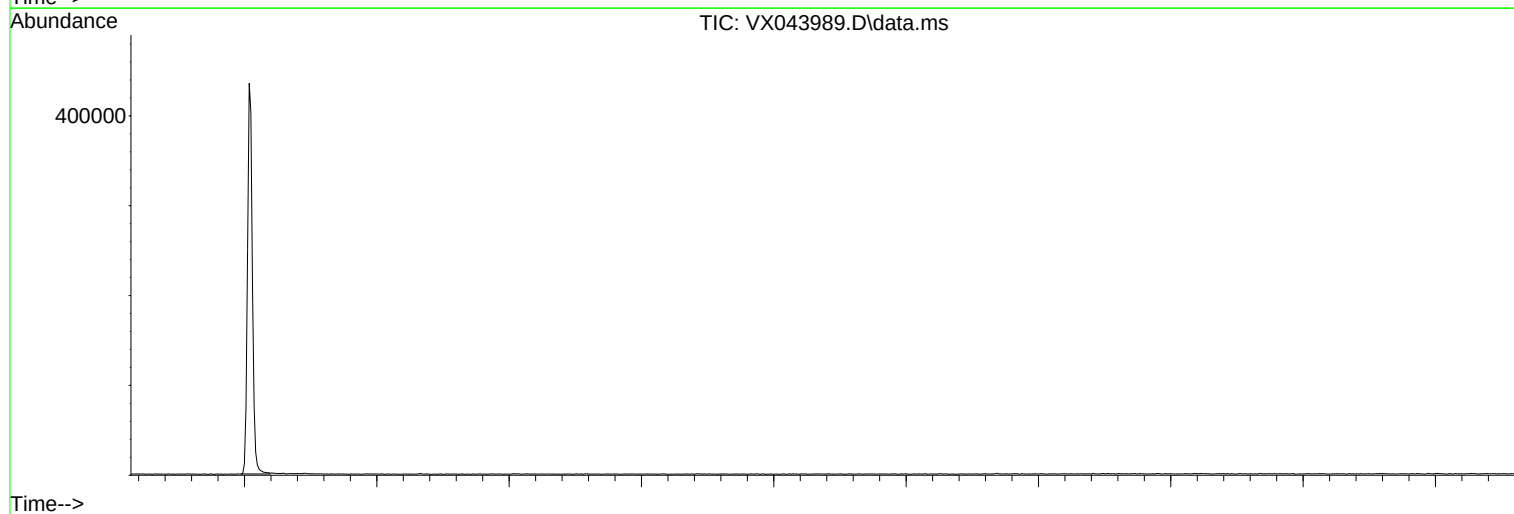
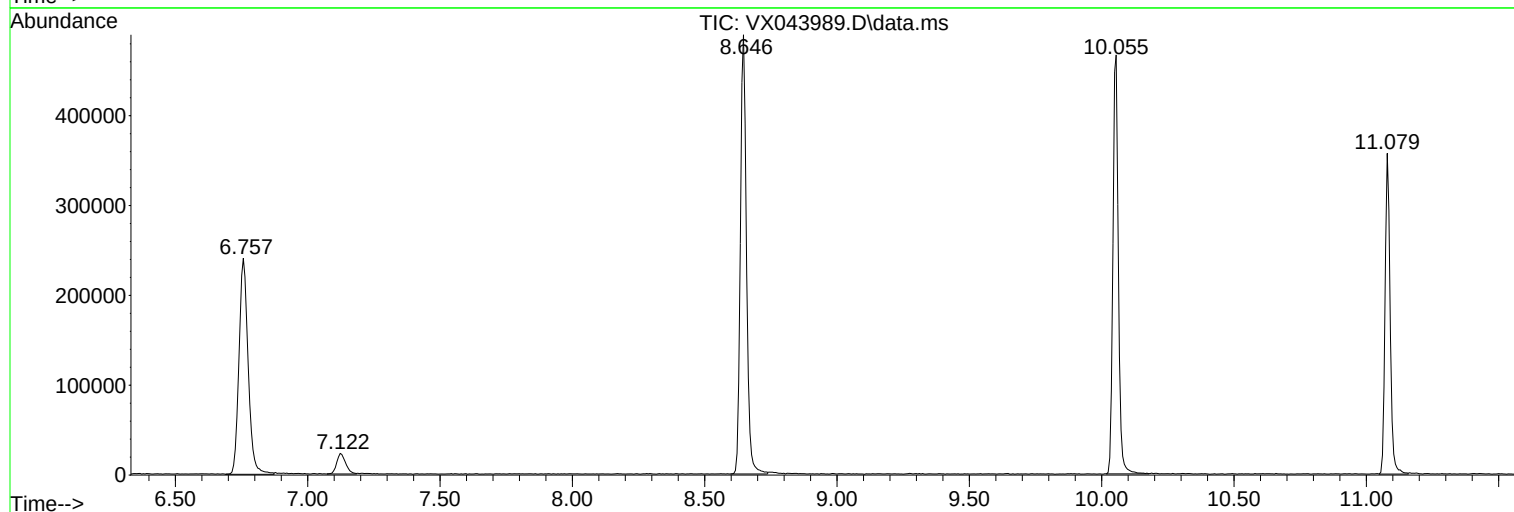
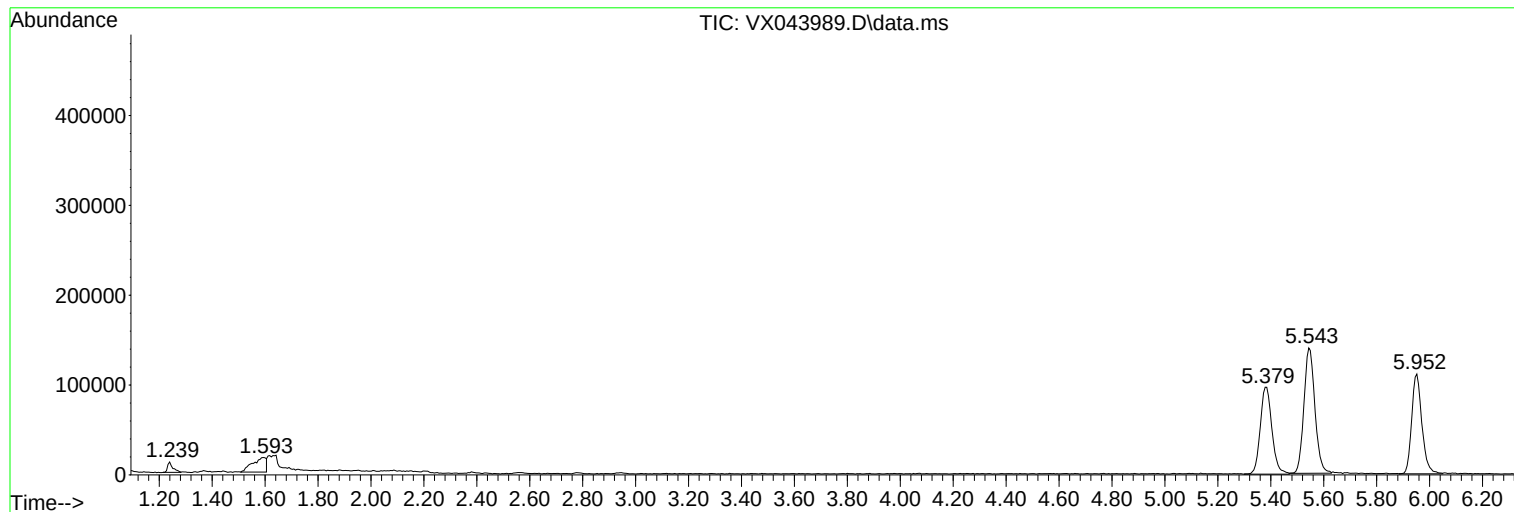
Sum of corrected areas: 4181062

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043989.D  
Acq On : 25 Nov 2024 16:12  
Operator : JC/MD  
Sample : P4873-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-19-20241114

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043989.D  
Acq On : 25 Nov 2024 16:12  
Operator : JC/MD  
Sample : P4873-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-19-20241114

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

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043989.D  
Acq On : 25 Nov 2024 16:12  
Operator : JC/MD  
Sample : P4873-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-19-20241114

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

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

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

### Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-32-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-05                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043990.D        | 1         |           | 11/25/24 16:35 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.70  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 17.5  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 47.6  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-MW-32-20241114                 |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-05                            |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043990.D        | 1         |           | 11/25/24 16:35 | VX112524      |

[illegible]

## Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-MW-32-20241114                 |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-05                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043990.D        | 1         |           | 11/25/24 16:35 | VX112524      |

| CAS Number | Parameter    | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|--------------|-------|-----------|-----|-----|------------|-------|
|            | unknown1.605 | 8.70  | J         |     |     | 1.61       | ug/L  |
|            | unknown1.636 | 6.20  | J         |     |     | 1.64       | ug/L  |

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\VX112524\  
 Data File : VX043990.D  
 Acq On : 25 Nov 2024 16:35  
 Operator : JC/MD  
 Sample : P4873-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-32-20241114

Quant Time: Nov 26 00:50:27 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 113361   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 214013   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 187289   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024 | 152   | 77640    | 50.000   | ug/l   | 0.00     |
|                             |        |       |          |          |        |          |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 98009    | 50.407   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 100.820% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 73131    | 47.822   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 95.640%  |
| 50) Toluene-d8              | 8.647  | 98    | 260964   | 49.506   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 99.020%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 84479    | 47.090   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 94.180%  |
|                             |        |       |          |          |        |          |
| Target Compounds            |        |       |          |          |        |          |
| 16) Acetone                 | 2.386  | 43    | 3293     | 3.687    | ug/l # | 89       |
| 27) cis-1,2-Dichloroethene  | 4.483  | 96    | 29183    | 17.506   | ug/l   | 89       |
| 44) Trichloroethene         | 7.123  | 130   | 80066    | 47.648   | ug/l   | 91       |
| -----                       |        |       |          |          |        |          |

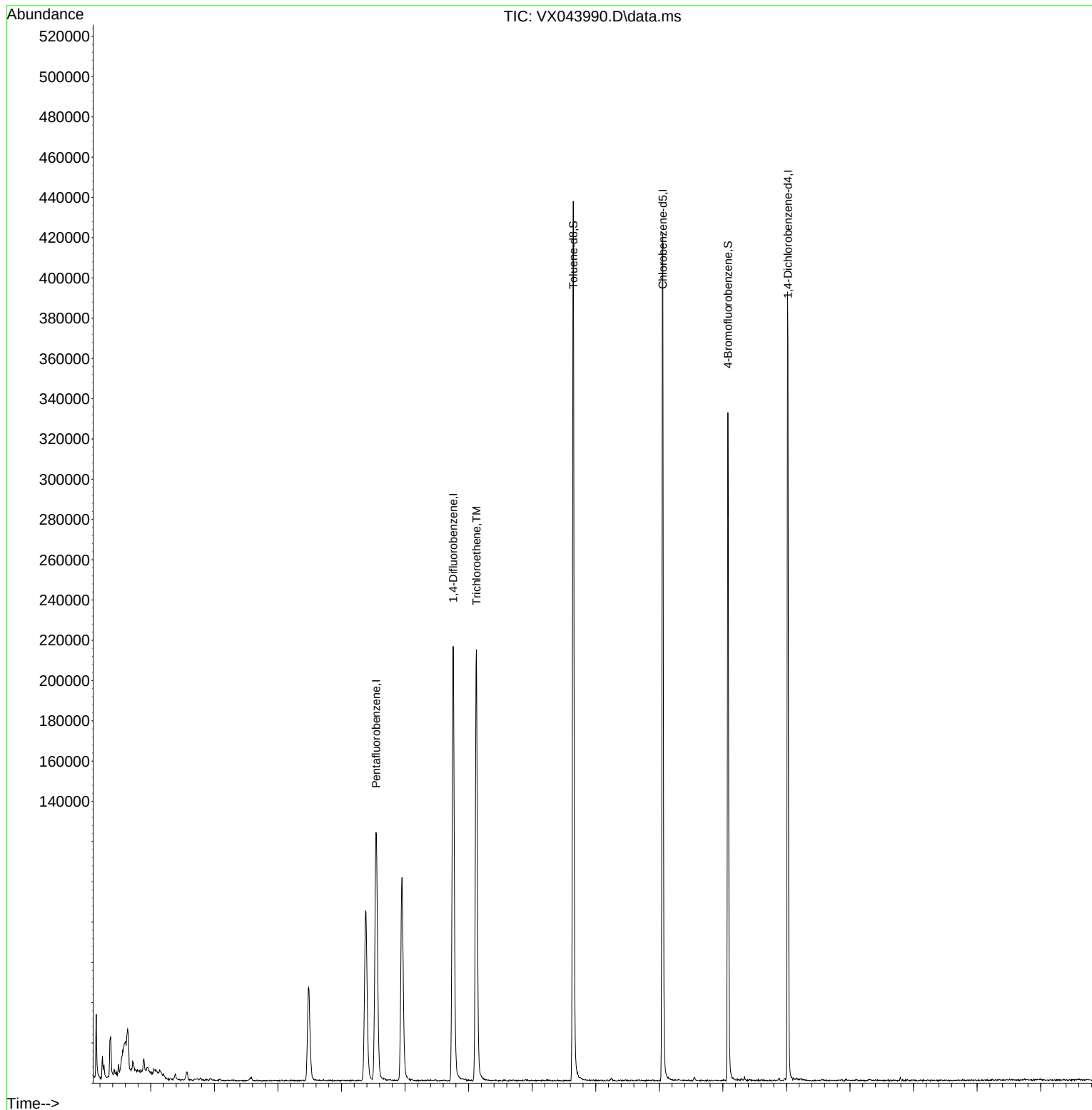
(#) = qualifier out of range (m) = manual integration (+) = signals summed

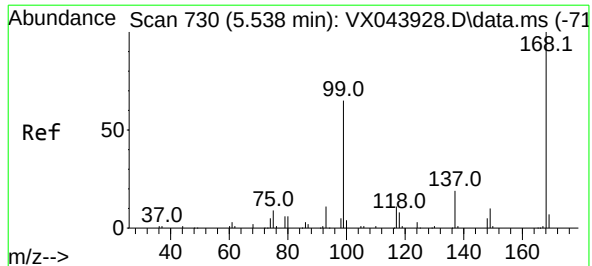


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043990.D  
Acq On : 25 Nov 2024 16:35  
Operator : JC/MD  
Sample : P4873-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-32-20241114

Quant Time: Nov 26 00:50:27 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX043990.D

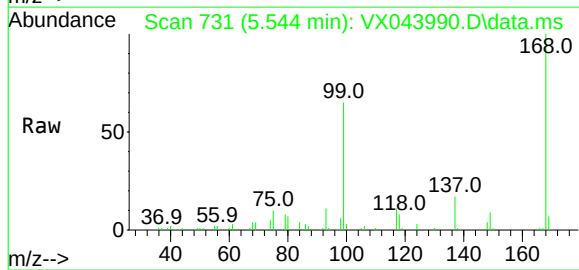
Acq: 25 Nov 2024 16:35

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-32-20241114

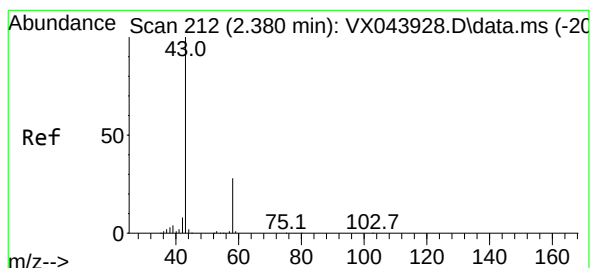
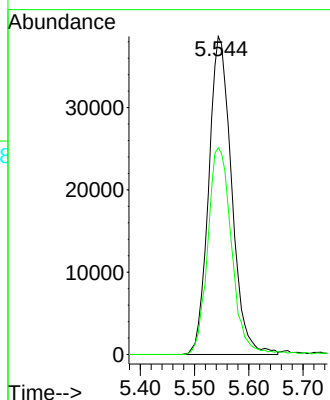
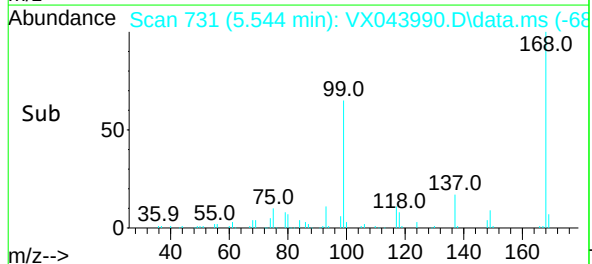


Tgt Ion: 168 Resp: 113361

Ion Ratio Lower Upper

168 100

99 65.0 51.8 77.8



#16

Acetone

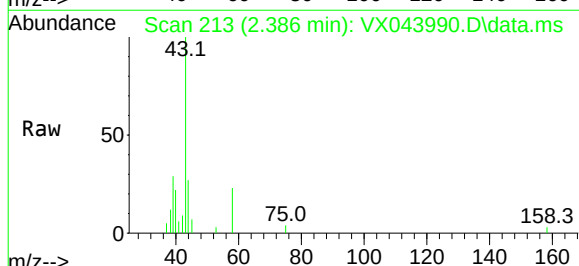
Concen: 3.687 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043990.D

Acq: 25 Nov 2024 16:35

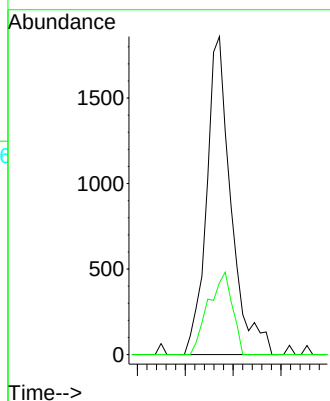
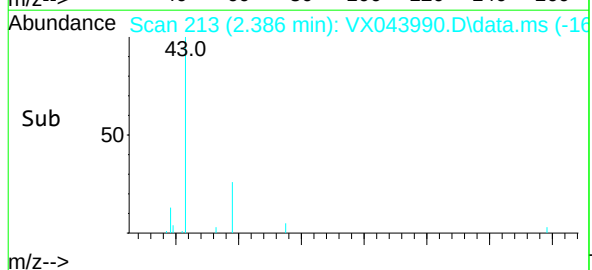


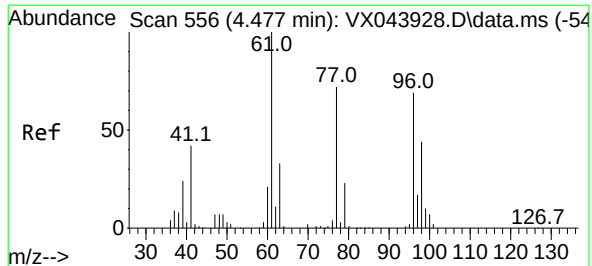
Tgt Ion: 43 Resp: 3293

Ion Ratio Lower Upper

43 100

58 22.6 22.7 34.1#





#27

cis-1,2-Dichloroethene

Concen: 17.506 ug/l

RT: 4.483 min Scan# 55

Delta R.T. 0.006 min

Lab File: VX043990.D

Acq: 25 Nov 2024 16:35

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-32-20241114

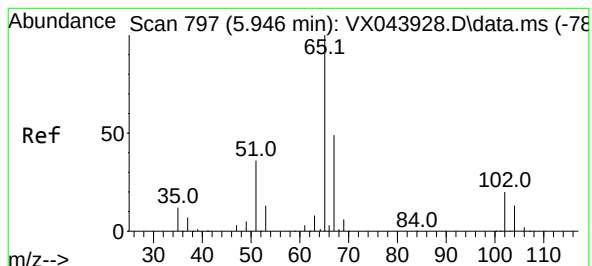
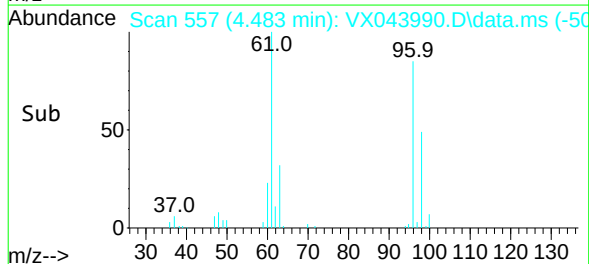
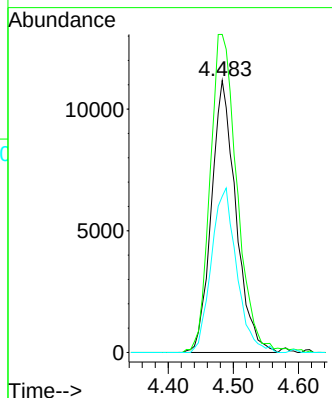
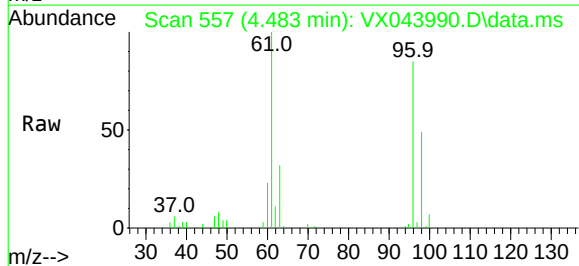
Tgt Ion: 96 Resp: 29183

Ion Ratio Lower Upper

96 100

61 129.4 0.0 297.4

98 62.7 0.0 127.8



#33

1,2-Dichloroethane-d4

Concen: 50.407 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043990.D

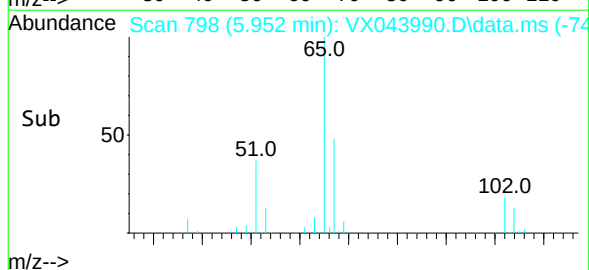
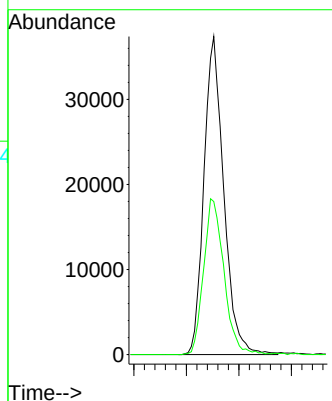
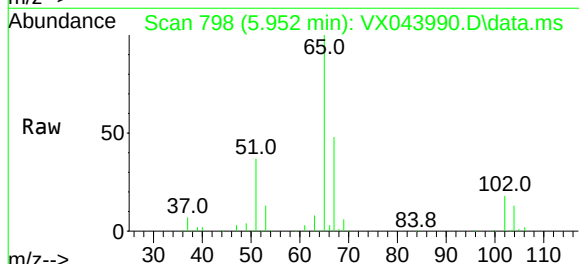
Acq: 25 Nov 2024 16:35

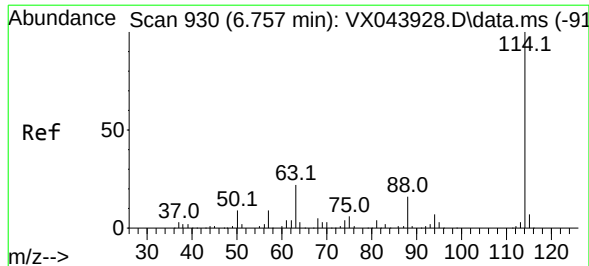
Tgt Ion: 65 Resp: 98009

Ion Ratio Lower Upper

65 100

67 50.3 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX043990.D

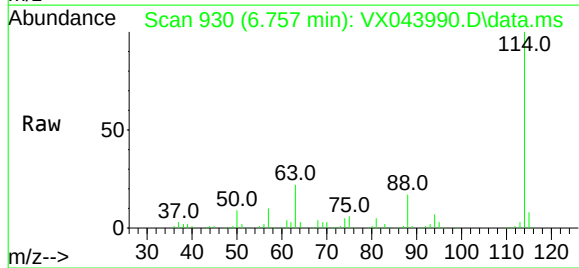
Acq: 25 Nov 2024 16:35

Instrument :

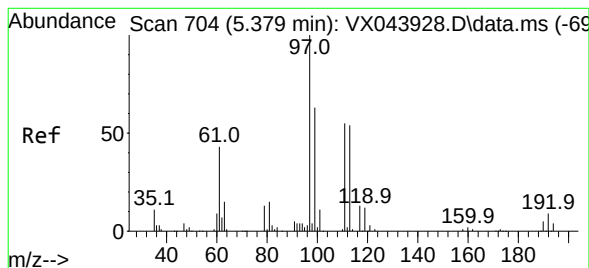
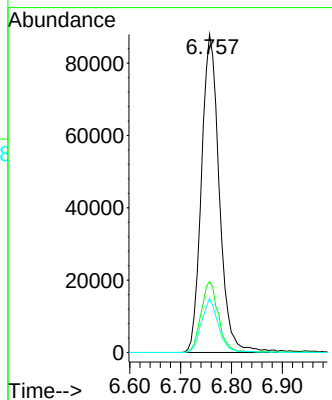
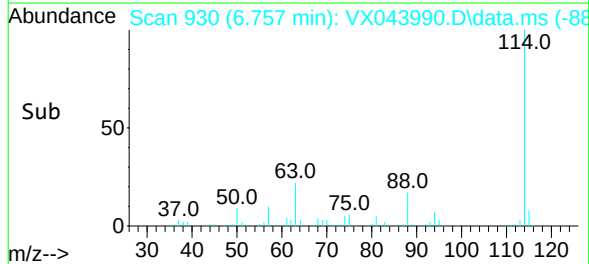
MSVOA\_X

ClientSampleId :

FSND-MW-32-20241114



| Tgt Ion | 114   | Resp  | 214013 |
|---------|-------|-------|--------|
| Ion     | Ratio | Lower | Upper  |
| 114     | 100   |       |        |
| 63      | 22.3  | 0.0   | 44.0   |
| 88      | 17.0  | 0.0   | 32.4   |



#35

Dibromofluoromethane

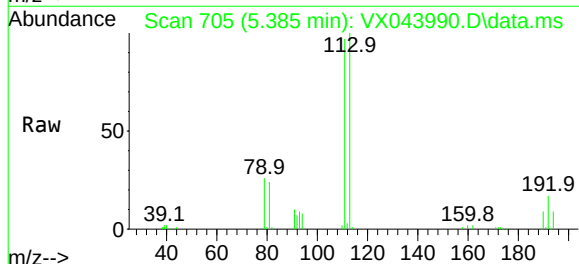
Concen: 47.822 ug/l

RT: 5.385 min Scan# 705

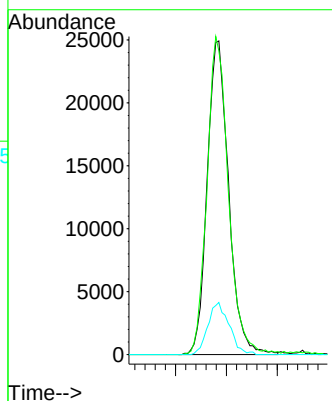
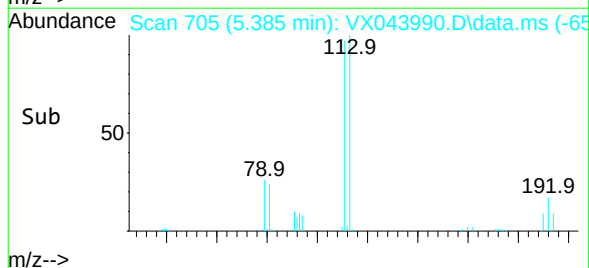
Delta R.T. 0.006 min

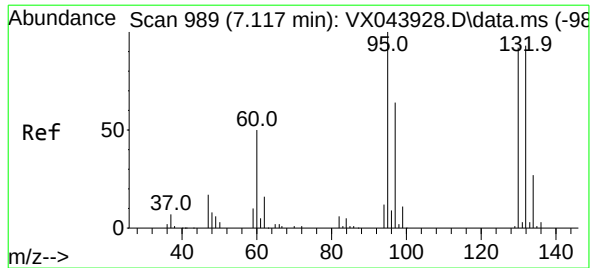
Lab File: VX043990.D

Acq: 25 Nov 2024 16:35



| Tgt Ion | 113   | Resp  | 73131 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 113     | 100   |       |       |
| 111     | 101.2 | 81.0  | 121.4 |
| 192     | 16.5  | 13.0  | 19.6  |





#44

Trichloroethene

Concen: 47.648 ug/l

RT: 7.123 min Scan# 99

Delta R.T. 0.006 min

Lab File: VX043990.D

Acq: 25 Nov 2024 16:35

Instrument :

MSVOA\_X

ClientSampleId :

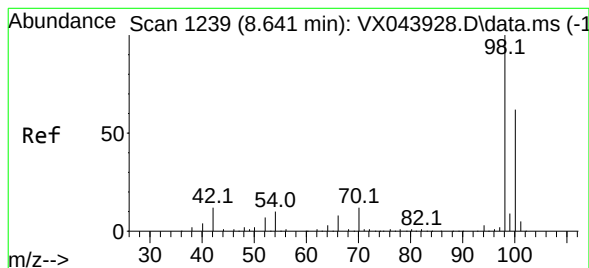
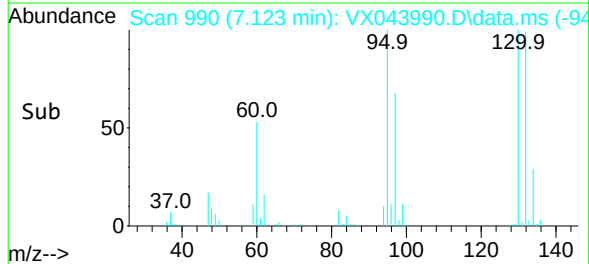
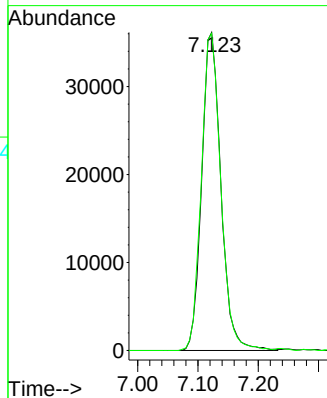
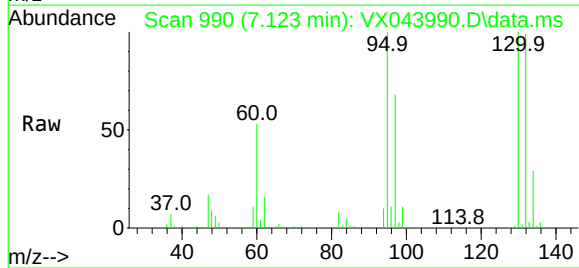
FSND-MW-32-20241114

Tgt Ion:130 Resp: 80066

Ion Ratio Lower Upper

130 100

95 99.7 0.0 217.8



#50

Toluene-d8

Concen: 49.506 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043990.D

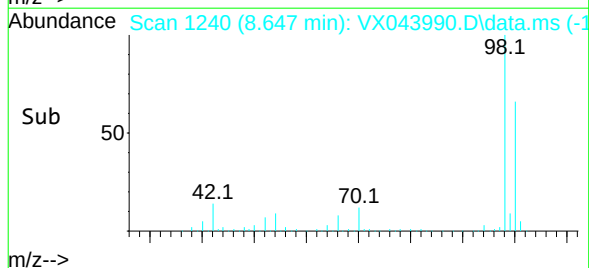
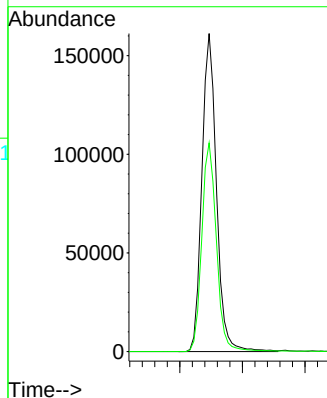
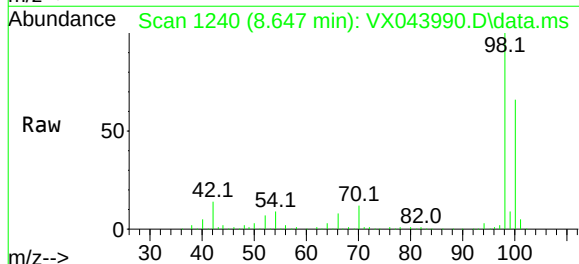
Acq: 25 Nov 2024 16:35

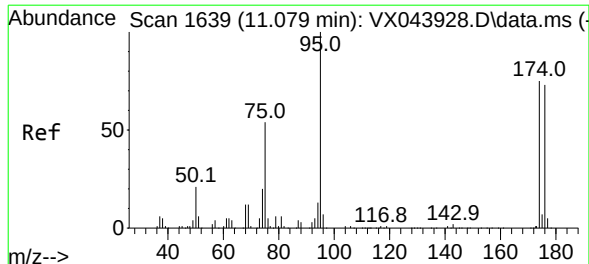
Tgt Ion: 98 Resp: 260964

Ion Ratio Lower Upper

98 100

100 66.0 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 47.090 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043990.D

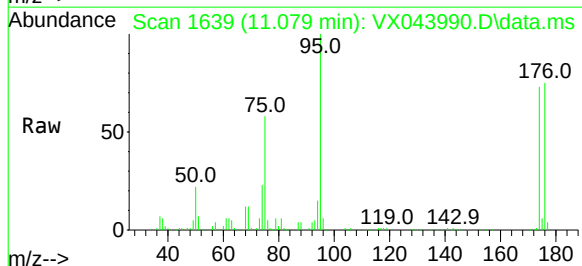
Acq: 25 Nov 2024 16:35

Instrument :

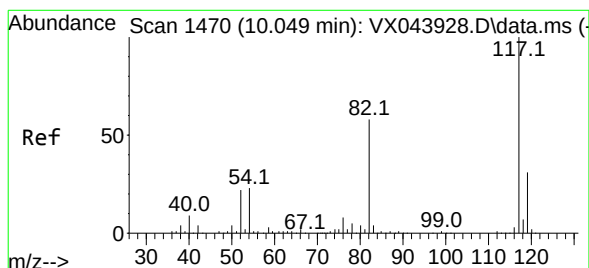
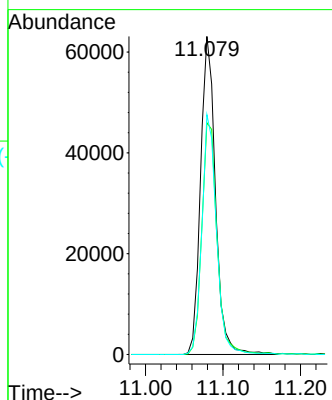
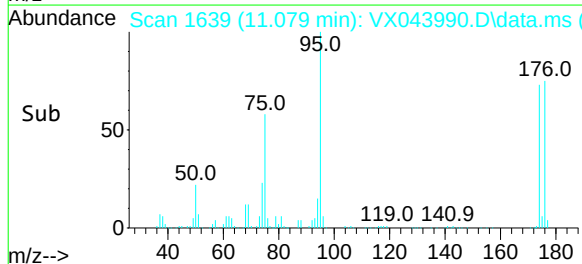
MSVOA\_X

ClientSampleId :

FSND-MW-32-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 84479 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 74.4  | 0.0   | 150.4 |
| 176      | 73.8  | 0.0   | 146.0 |



#63

Chlorobenzene-d5

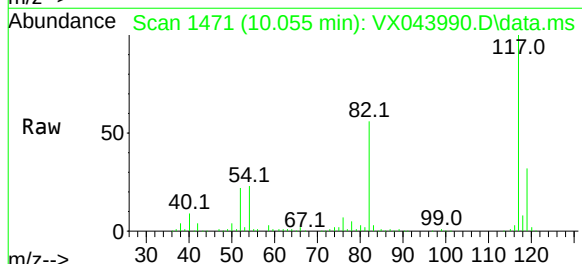
Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

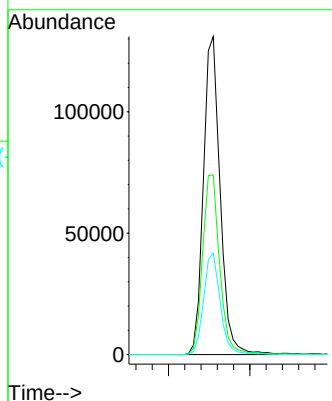
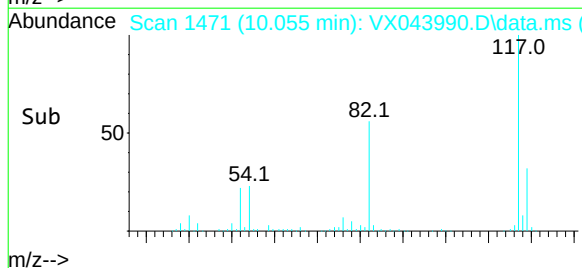
Delta R.T. 0.006 min

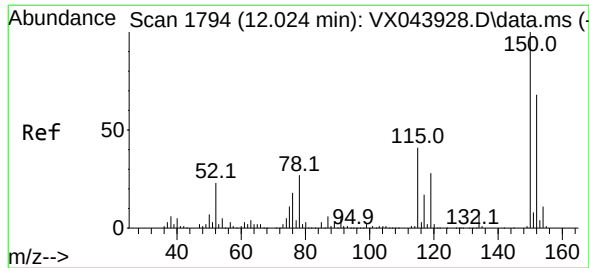
Lab File: VX043990.D

Acq: 25 Nov 2024 16:35



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 187289 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.5  | 46.4  | 69.6   |
| 119      | 31.9  | 24.6  | 37.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 17

Delta R.T. -0.000 min

Lab File: VX043990.D

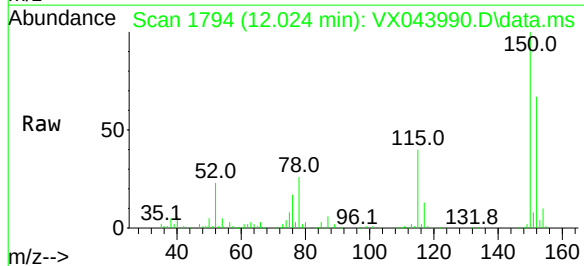
Acq: 25 Nov 2024 16:35

Instrument :

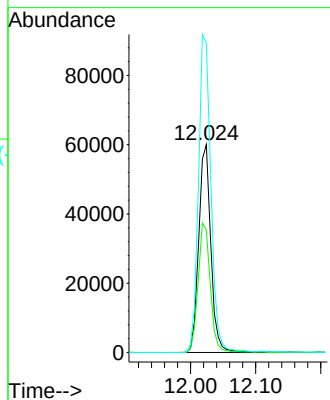
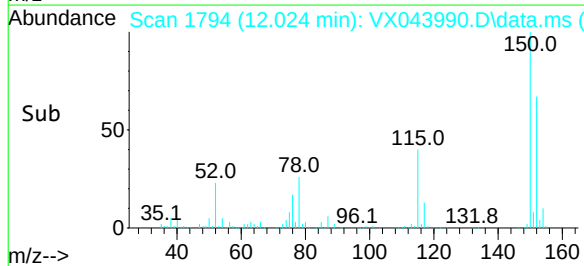
MSVOA\_X

ClientSampleId :

FSND-MW-32-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 77640 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 62.9  | 45.4  | 136.2 |
| 150      | 157.1 | 0.0   | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043990.D  
 Acq On : 25 Nov 2024 16:35  
 Operator : JC/MD  
 Sample : P4873-05  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-32-20241114

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VX043990.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         | 1.142       | 5             | 9           | 19           | rVB      | 31786          | 34561         | 4.81%           | 0.765%        |
| 2         | 1.240       | 21            | 25          | 27           | rBV      | 11523          | 12978         | 1.81%           | 0.287%        |
| 3         | 1.264       | 27            | 29          | 36           | rVB3     | 6093           | 7230          | 1.01%           | 0.160%        |
| 4         | 1.368       | 41            | 46          | 53           | rBV2     | 19610          | 35960         | 5.01%           | 0.796%        |
| 5         | 1.605       | 69            | 85          | 86           | rVV5     | 15534          | 63057         | 8.78%           | 1.395%        |
| 6         | 1.636       | 86            | 90          | 96           | rVB6     | 20017          | 44750         | 6.23%           | 0.990%        |
| 7         | 1.892       | 127           | 132         | 135          | rBV4     | 6280           | 9607          | 1.34%           | 0.213%        |
| 8         | 2.569       | 235           | 243         | 249          | rVB3     | 4167           | 8946          | 1.25%           | 0.198%        |
| 9         | 4.483       | 549           | 557         | 572          | rBV2     | 46064          | 128809        | 17.94%          | 2.850%        |
| 10        | 5.379       | 693           | 704         | 721          | rBV      | 84256          | 250140        | 34.83%          | 5.534%        |
| 11        | 5.544       | 721           | 731         | 744          | rBV2     | 122728         | 363682        | 50.64%          | 8.046%        |
| 12        | 5.952       | 786           | 798         | 818          | rBV      | 100992         | 273149        | 38.04%          | 6.043%        |
| 13        | 6.757       | 921           | 930         | 946          | rBV      | 216016         | 525926        | 73.24%          | 11.635%       |
| 14        | 7.123       | 981           | 990         | 1003         | rBV      | 214350         | 475276        | 66.18%          | 10.515%       |
| 15        | 8.647       | 1234          | 1240        | 1255         | rBV      | 436909         | 718105        | 100.00%         | 15.887%       |
| 16        | 10.055      | 1465          | 1471        | 1484         | rBV      | 420983         | 616735        | 85.88%          | 13.644%       |
| 17        | 11.079      | 1634          | 1639        | 1651         | rBV      | 332116         | 440070        | 61.28%          | 9.736%        |
| 18        | 12.018      | 1788          | 1793        | 1802         | rBV      | 391452         | 511134        | 71.18%          | 11.308%       |

Sum of corrected areas: 4520115

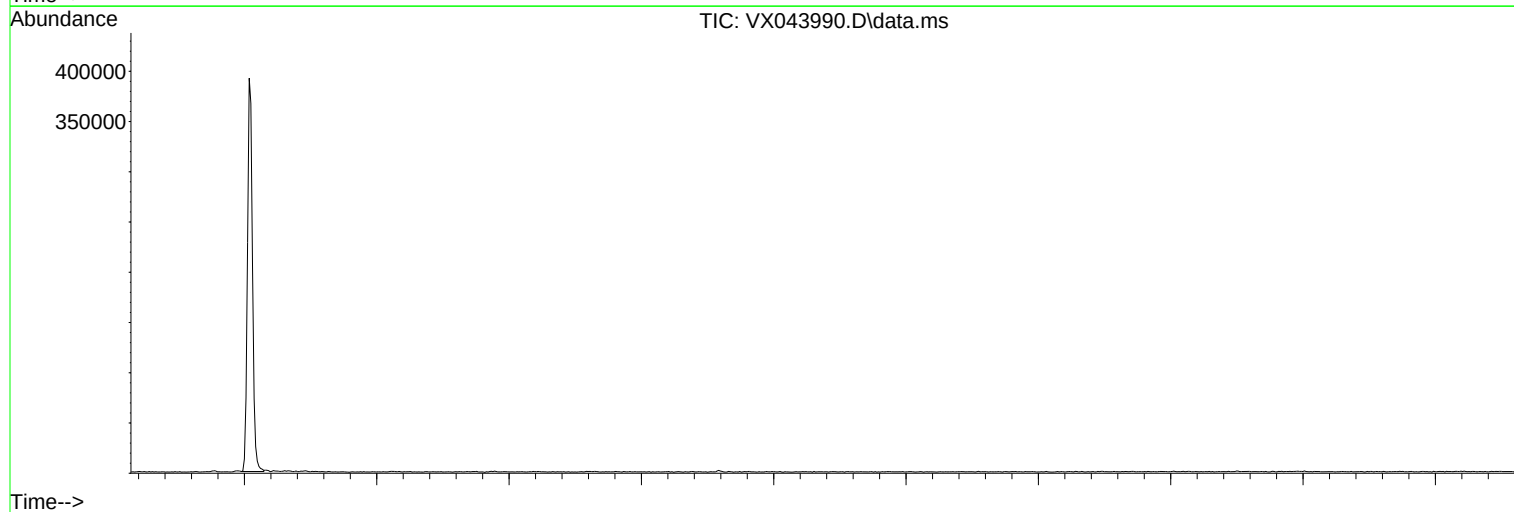
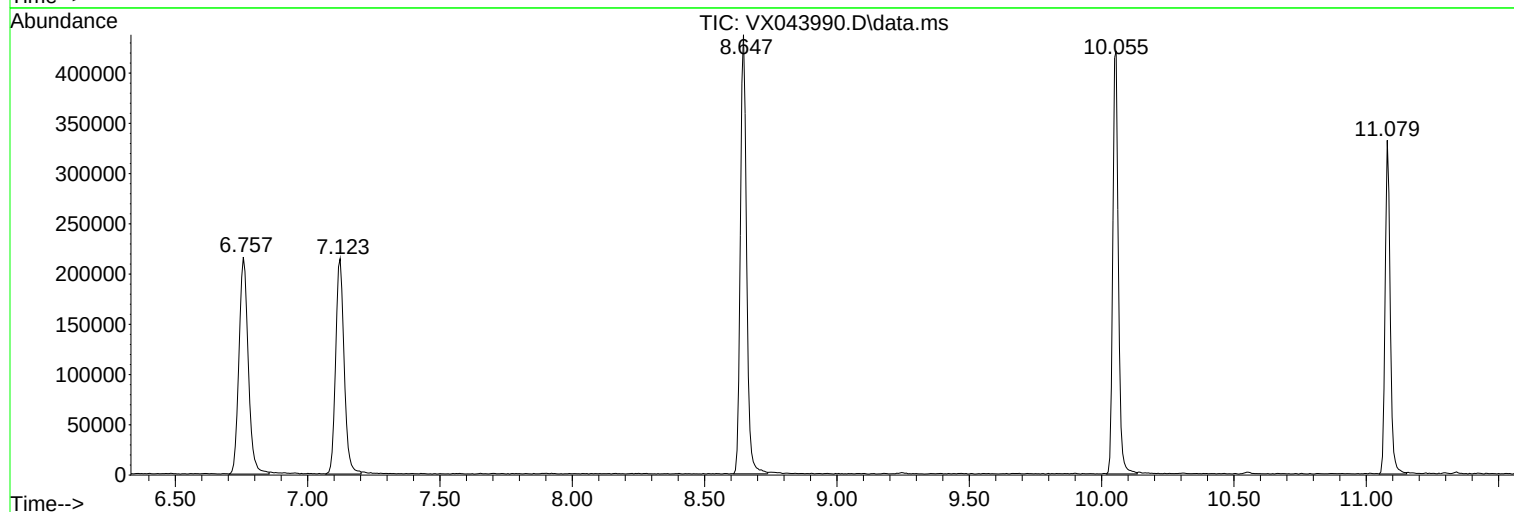
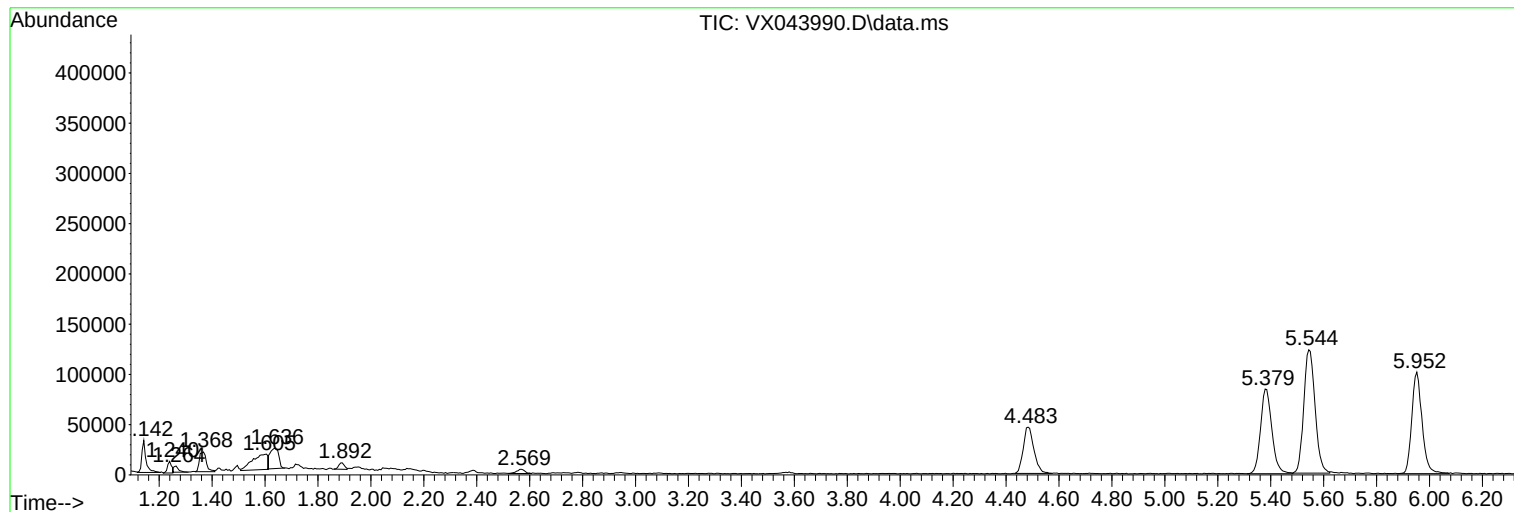


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043990.D  
Acq On : 25 Nov 2024 16:35  
Operator : JC/MD  
Sample : P4873-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-32-20241114

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043990.D  
Acq On : 25 Nov 2024 16:35  
Operator : JC/MD  
Sample : P4873-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-32-20241114

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

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

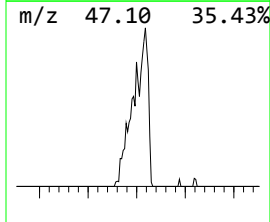
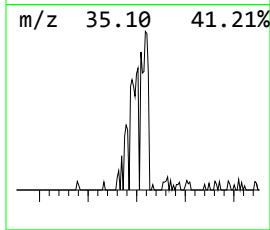
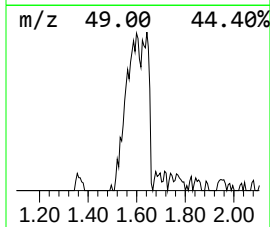
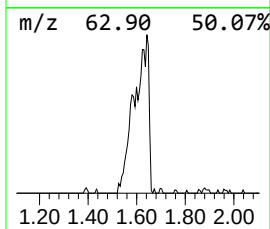
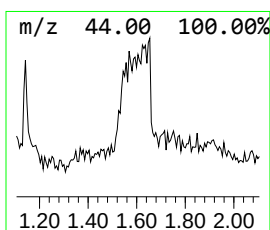
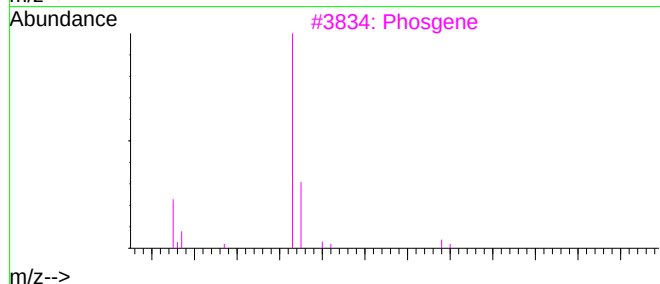
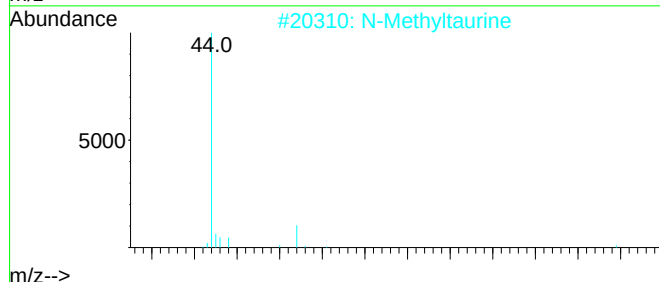
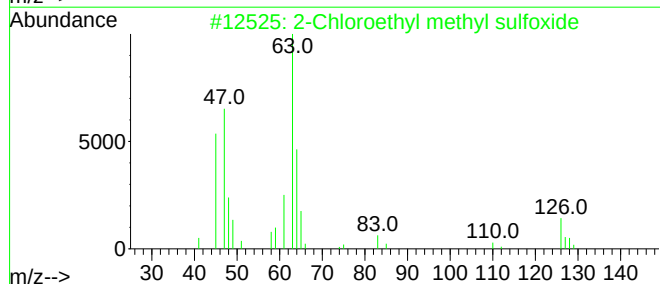
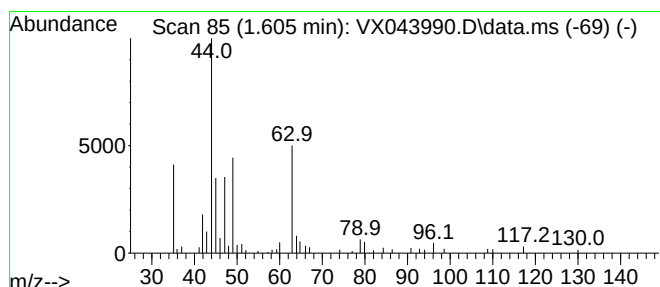
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Peak Number 1 unknown1.605 Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 1.605 | 8.67 ug/l | 63057 | Pentafluorobenzene | 5.544 |

| Hit# of 5 | Tentative ID                   | MW  | MolForm  | CAS#        | Qual |
|-----------|--------------------------------|-----|----------|-------------|------|
| 1         | 2-Chloroethyl methyl sulfoxide | 126 | C3H7ClOS | 005331-57-7 | 17   |
| 2         | N-Methyltaurine                | 139 | C3H9NO3S | 000107-68-6 | 9    |
| 3         | Phosgene                       | 98  | CCl2O    | 000075-44-5 | 7    |
| 4         | Methan-d3-ol                   | 35  | CHD3O    | 001849-29-2 | 4    |
| 5         | 3-Azabicyclo[3.2.2]nonane      | 125 | C8H15N   | 000283-24-9 | 4    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043990.D  
Acq On : 25 Nov 2024 16:35  
Operator : JC/MD  
Sample : P4873-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-32-20241114

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

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

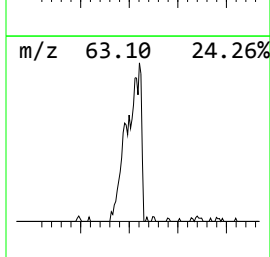
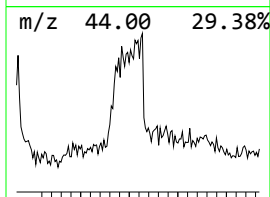
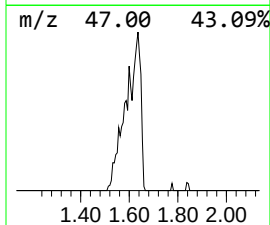
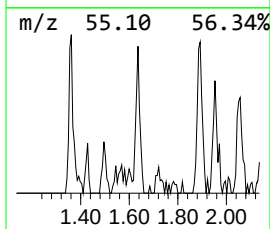
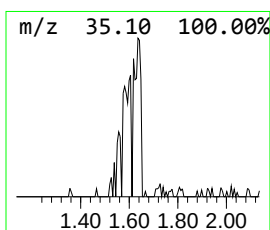
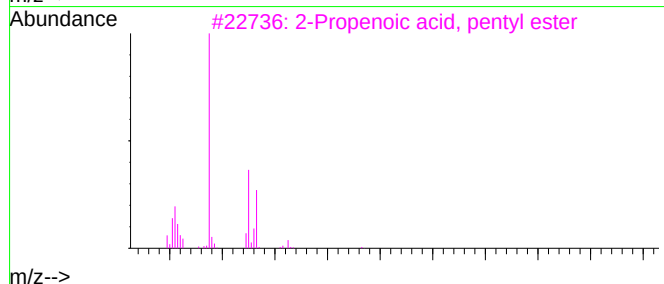
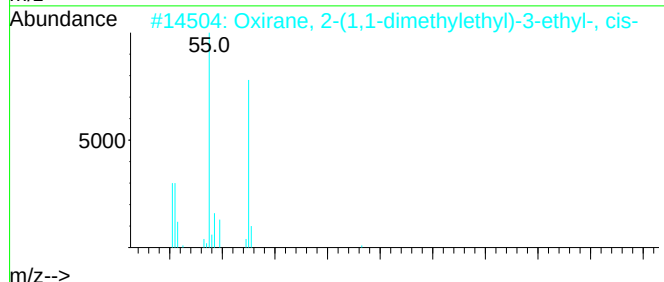
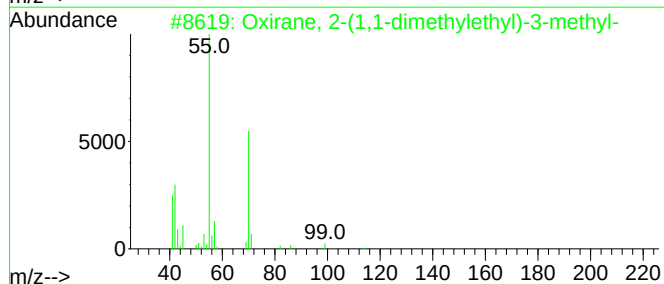
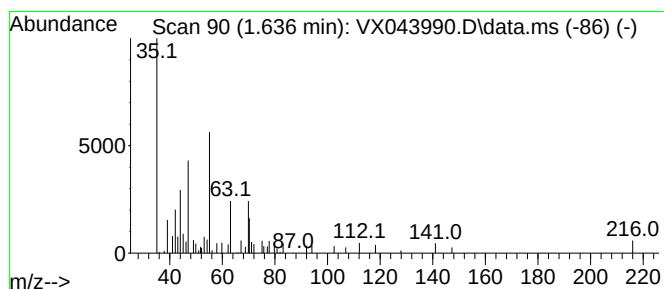
\*\*\*\*\*

Peak Number 2 unknown1.636 Concentration Rank 2

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 1.636 | 6.15 ug/l | 44750 | Pentafluorobenzene | 5.544 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm | CAS#        | Qual |
|-----------|-------------------------------------|-----|---------|-------------|------|
| 1         | Oxirane, 2-(1,1-dimethylethyl)-3... | 114 | C7H14O  | 053897-30-6 | 22   |
| 2         | Oxirane, 2-(1,1-dimethylethyl)-3... | 128 | C8H16O  | 036099-44-2 | 10   |
| 3         | 2-Propenoic acid, pentyl ester      | 142 | C8H14O2 | 002998-23-4 | 4    |
| 4         | Methan-d3-ol                        | 35  | CHD3O   | 001849-29-2 | 3    |
| 5         | 6-Tridecene, (Z)-                   | 182 | C13H26  | 006508-77-6 | 2    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043990.D  
Acq On : 25 Nov 2024 16:35  
Operator : JC/MD  
Sample : P4873-05  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-32-20241114

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

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown1.605     | 1.605 | 8.7     | ug/l  | 63057    | 1                     | 5.544 | 363682 | 50.0 |
| unknown1.636     | 1.636 | 6.2     | ug/l  | 44750    | 1                     | 5.544 | 363682 | 50.0 |

## Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-34-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-06                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043991.D        | 1         |           | 11/25/24 16:58 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 2.60  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 17.9  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-MW-34-20241114                 |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-06                            |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043991.D        | 1         |           | 11/25/24 16:58 | VX112524      |

[illegible]

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-MW-34-20241114                 |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-06                            |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043991.D        | 1         |           | 11/25/24 16:58 | VX112524      |

| CAS Number | Parameter    | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|--------------|-------|-----------|-----|-----|------------|-------|
|            | unknown1.599 | 8.20  | J         |     |     | 1.60       | ug/L  |

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\VX112524\  
 Data File : VX043991.D  
 Acq On : 25 Nov 2024 16:58  
 Operator : JC/MD  
 Sample : P4873-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-34-20241114

Quant Time: Nov 26 00:50:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 122134   | 50.000   | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 228854   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 193773   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 81953    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 102004   | 48.694   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 97.380%  |
| 35) Dibromofluoromethane    | 5.385  | 113   | 76340    | 46.683   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 93.360%  |
| 50) Toluene-d8              | 8.647  | 98    | 279707   | 49.620   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 99.240%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 90625    | 47.240   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 94.480%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 16) Acetone                 | 2.386  | 43    | 2473     | 2.570    | ug/l  | 96       |
| 20) Methylene Chloride      | 2.782  | 84    | 437      | 0.268    | ug/l  | 88       |
| 44) Trichloroethene         | 7.129  | 130   | 32109    | 17.869   | ug/l  | 96       |
| -----                       |        |       |          |          |       |          |

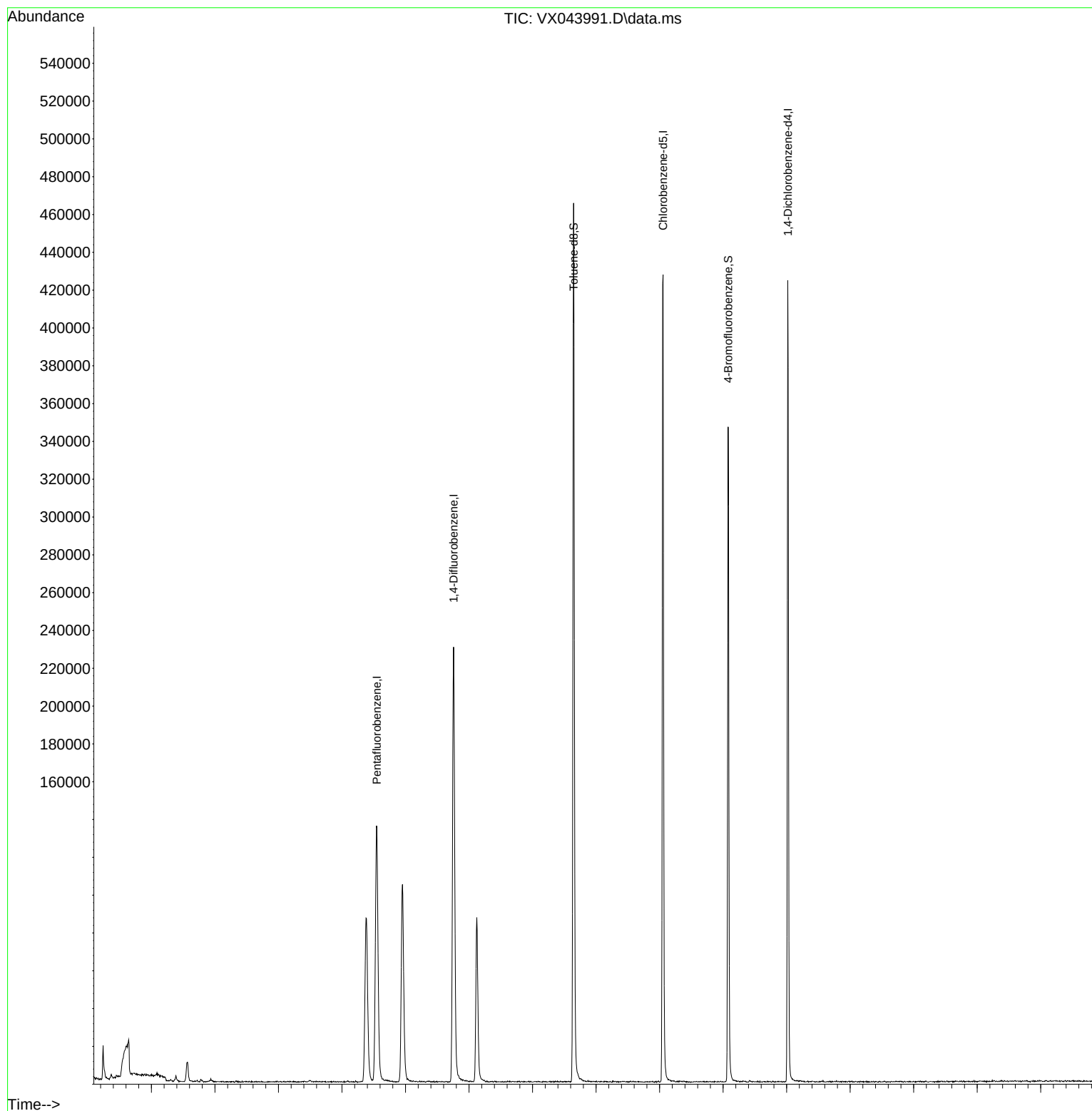
(#) = qualifier out of range (m) = manual integration (+) = signals summed

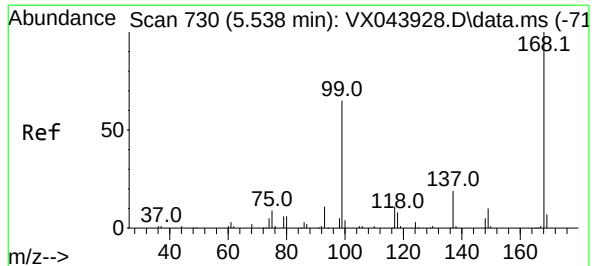


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043991.D  
Acq On : 25 Nov 2024 16:58  
Operator : JC/MD  
Sample : P4873-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-34-20241114

Quant Time: Nov 26 00:50:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 73

Delta R.T. 0.012 min

Lab File: VX043991.D

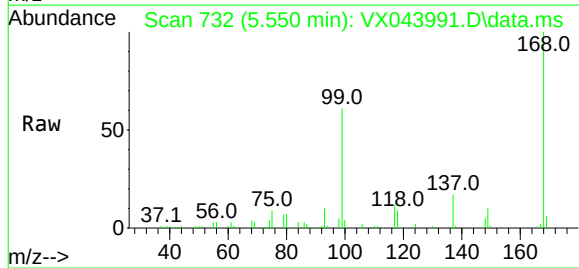
Acq: 25 Nov 2024 16:58

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-34-20241114

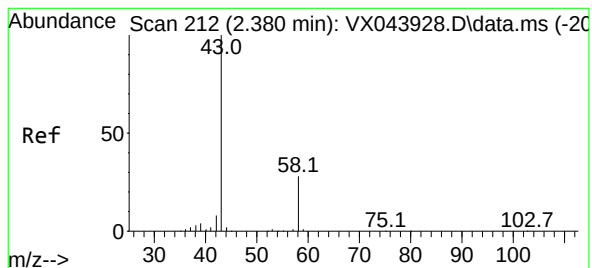
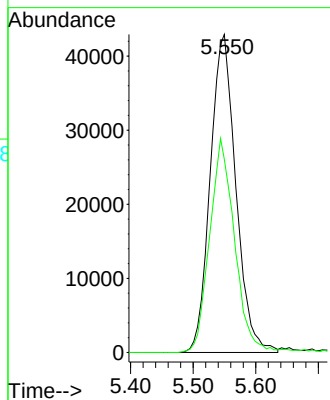


Tgt Ion:168 Resp: 122134

Ion Ratio Lower Upper

168 100

99 60.7 51.8 77.8



#16

Acetone

Concen: 2.570 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043991.D

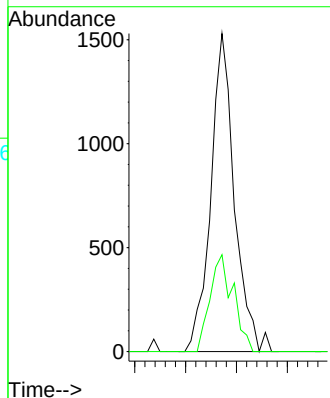
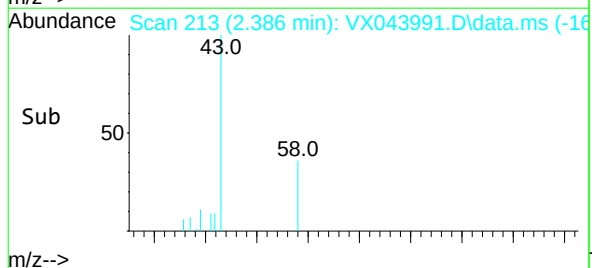
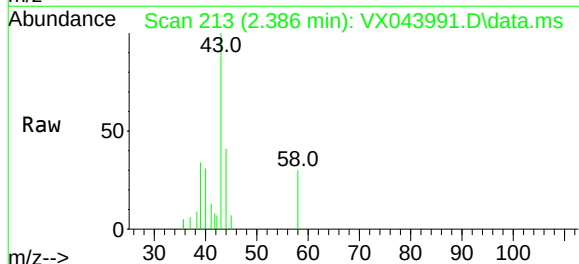
Acq: 25 Nov 2024 16:58

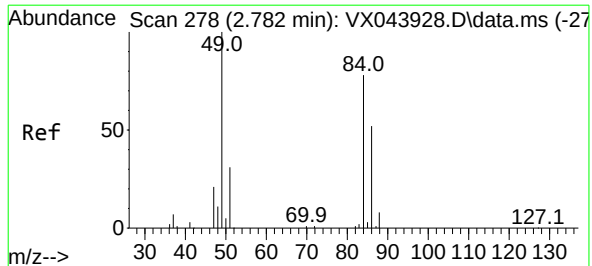
Tgt Ion: 43 Resp: 2473

Ion Ratio Lower Upper

43 100

58 30.5 22.7 34.1





#20

Methylene Chloride

Concen: 0.268 ug/l

RT: 2.782 min Scan# 27

Delta R.T. -0.000 min

Lab File: VX043991.D

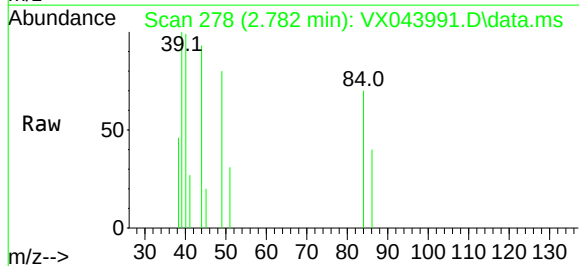
Acq: 25 Nov 2024 16:58

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-34-20241114



Tgt Ion: 84 Resp: 437

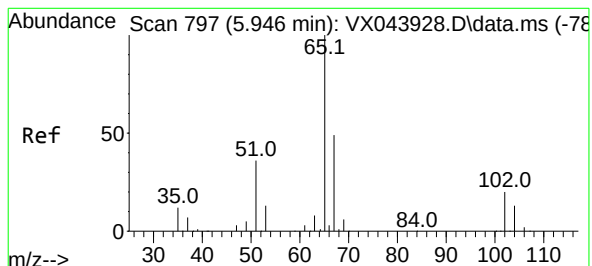
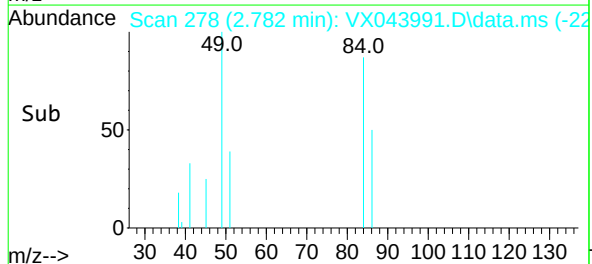
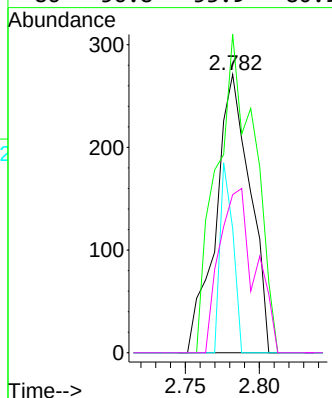
Ion Ratio Lower Upper

84 100

49 114.4 102.7 154.1

51 44.6 31.7 47.5

86 56.8 53.9 80.9



#33

1,2-Dichloroethane-d4

Concen: 48.694 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043991.D

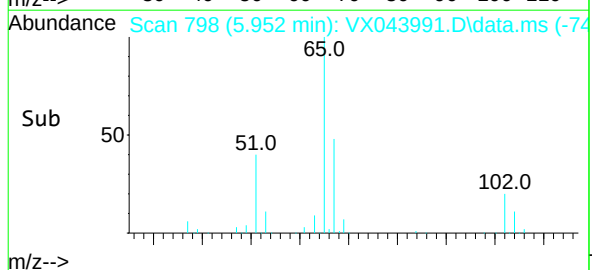
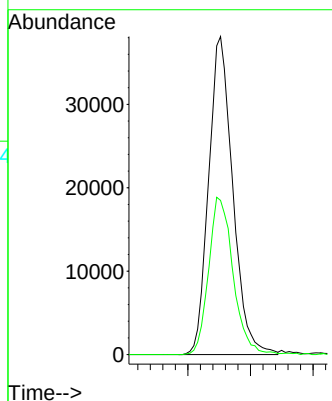
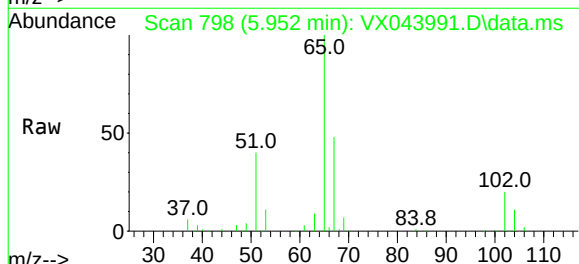
Acq: 25 Nov 2024 16:58

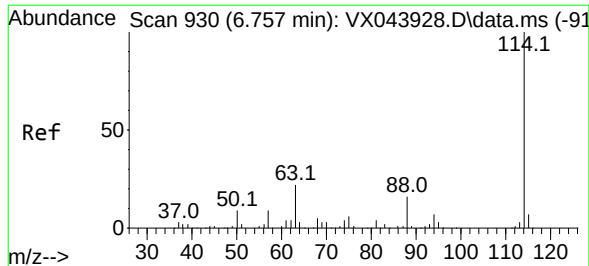
Tgt Ion: 65 Resp: 102004

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX043991.D

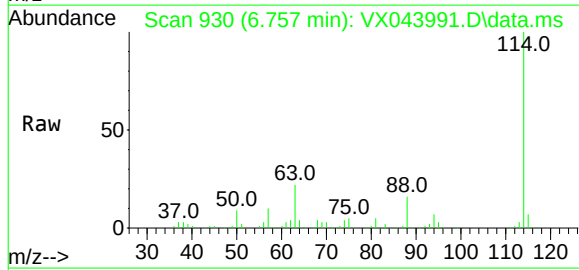
Acq: 25 Nov 2024 16:58

Instrument :

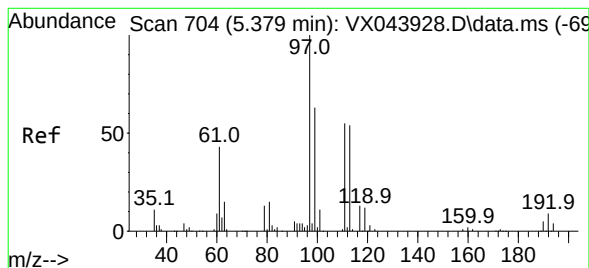
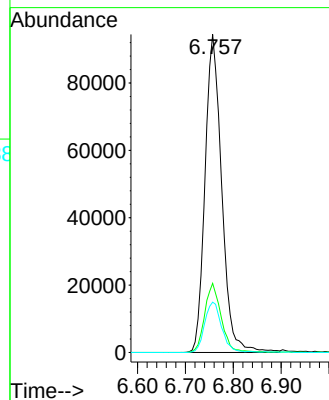
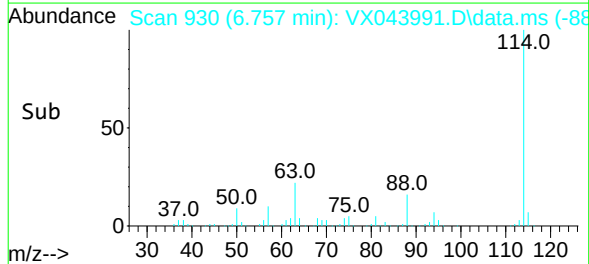
MSVOA\_X

ClientSampleId :

FSND-MW-34-20241114



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 228854 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.7  | 0.0   | 44.0   |
| 88       | 15.8  | 0.0   | 32.4   |



#35

Dibromofluoromethane

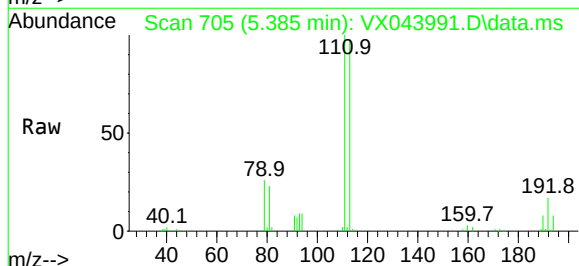
Concen: 46.683 ug/l

RT: 5.385 min Scan# 705

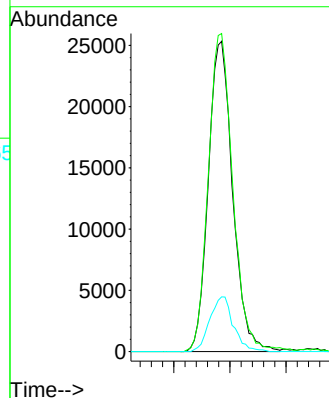
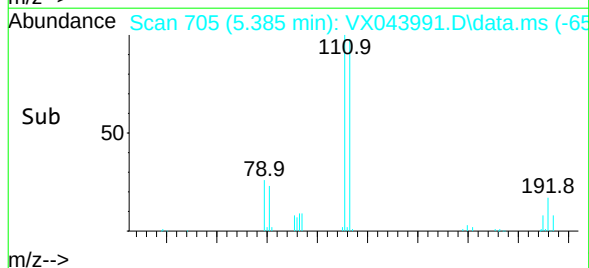
Delta R.T. 0.006 min

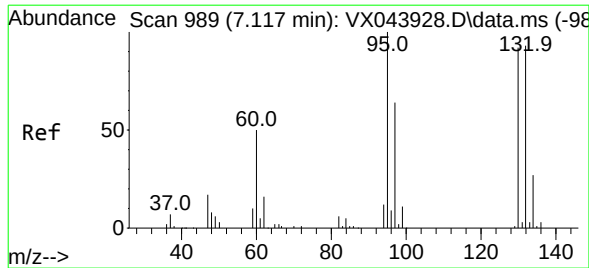
Lab File: VX043991.D

Acq: 25 Nov 2024 16:58



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 76340 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.3 | 81.0  | 121.4 |
| 192      | 17.1  | 13.0  | 19.6  |





#44

Trichloroethene

Concen: 17.869 ug/l

RT: 7.129 min Scan# 99

Delta R.T. 0.012 min

Lab File: VX043991.D

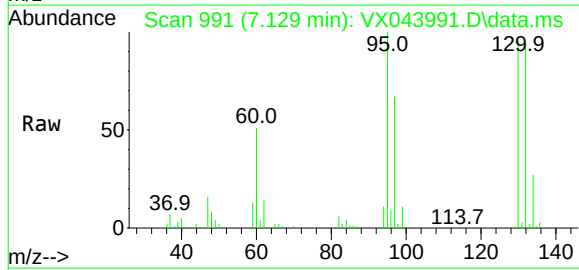
Acq: 25 Nov 2024 16:58

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-34-20241114

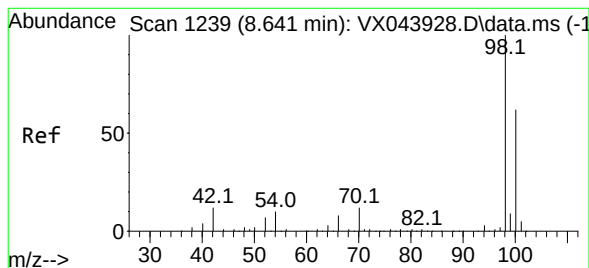
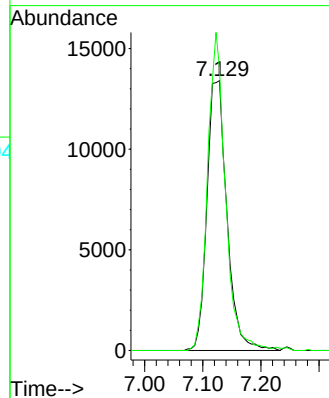
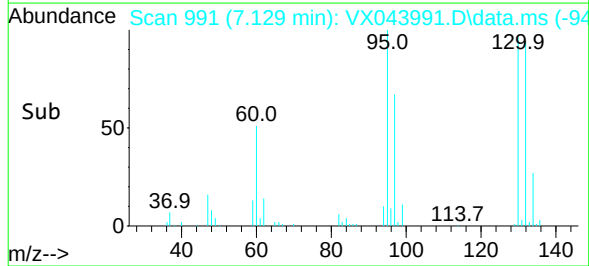


Tgt Ion:130 Resp: 32109

Ion Ratio Lower Upper

130 100

95 104.5 0.0 217.8



#50

Toluene-d8

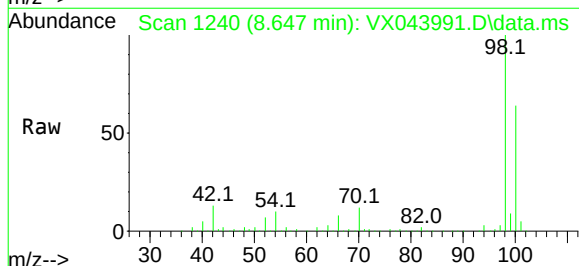
Concen: 49.620 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043991.D

Acq: 25 Nov 2024 16:58

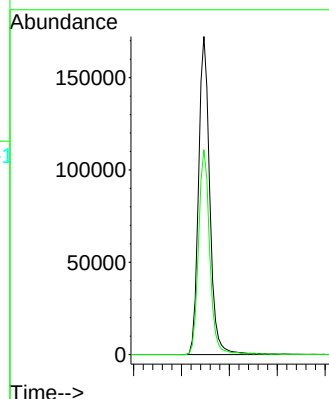
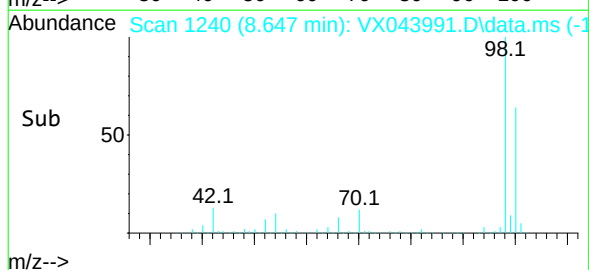


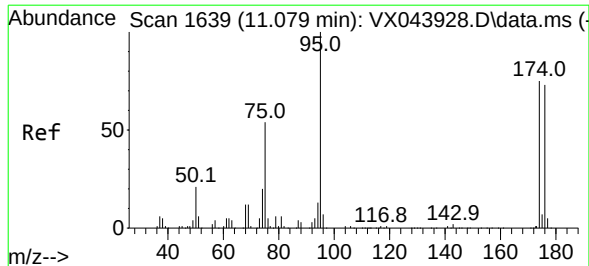
Tgt Ion: 98 Resp: 279707

Ion Ratio Lower Upper

98 100

100 64.2 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 47.240 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043991.D

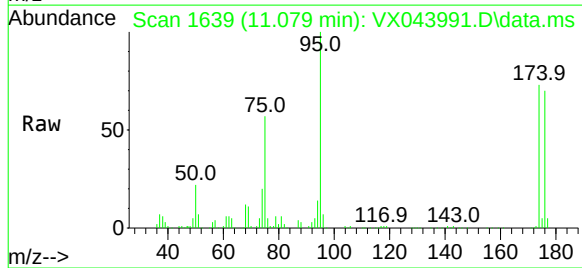
Acq: 25 Nov 2024 16:58

Instrument :

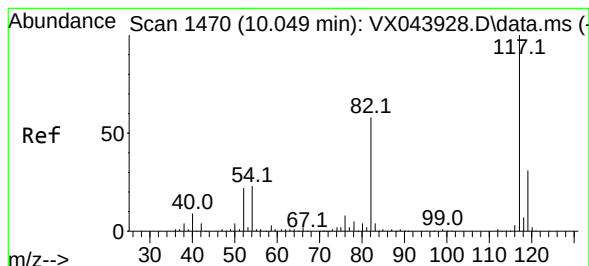
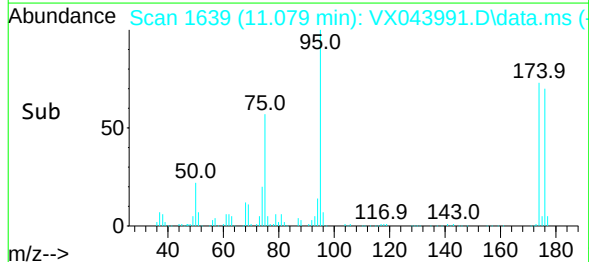
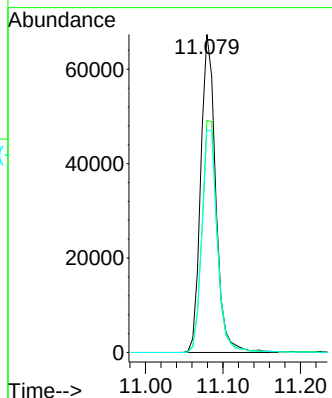
MSVOA\_X

ClientSampleId :

FSND-MW-34-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 90625 |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 74.0  | 0.0   | 150.4 |
| 176      | 72.9  | 0.0   | 146.0 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

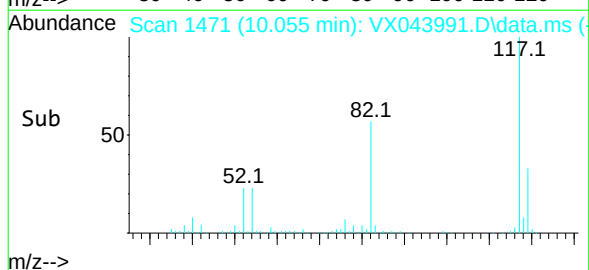
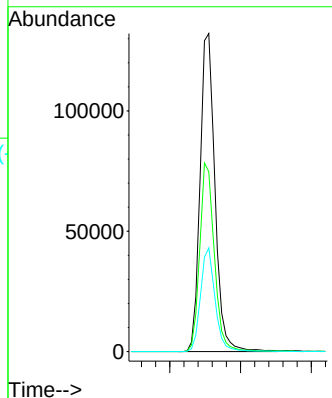
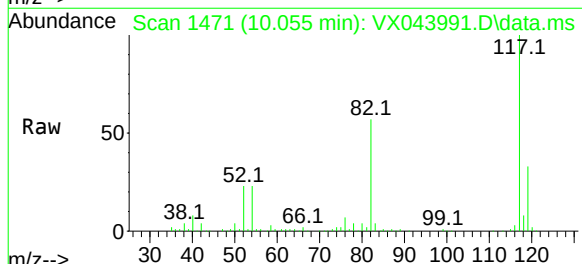
RT: 10.055 min Scan# 1471

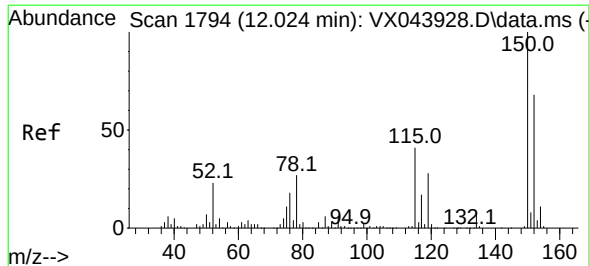
Delta R.T. 0.006 min

Lab File: VX043991.D

Acq: 25 Nov 2024 16:58

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 193773 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.6  | 46.4  | 69.6   |
| 119      | 32.6  | 24.6  | 37.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 17

Delta R.T. -0.006 min

Lab File: VX043991.D

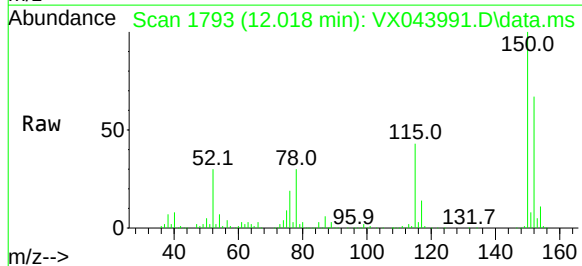
Acq: 25 Nov 2024 16:58

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-34-20241114



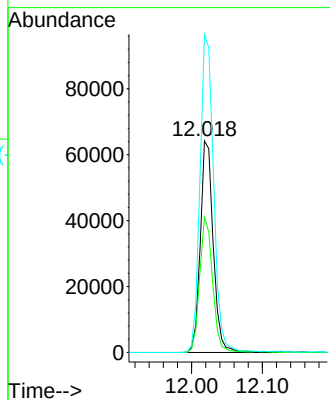
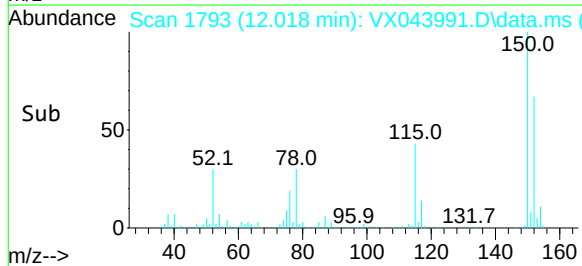
Tgt Ion:152 Resp: 81953

Ion Ratio Lower Upper

152 100

115 63.4 45.4 136.2

150 157.9 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043991.D  
 Acq On : 25 Nov 2024 16:58  
 Operator : JC/MD  
 Sample : P4873-06  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-34-20241114

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VX043991.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         | 1.240       | 21            | 25          | 33           | rBV      | 17689          | 23596         | 3.10%           | 0.563%        |
| 2         | 1.599       | 69            | 84          | 86           | rBV4     | 15987          | 63667         | 8.38%           | 1.520%        |
| 3         | 2.569       | 235           | 243         | 249          | rBV2     | 10288          | 23269         | 3.06%           | 0.555%        |
| 4         | 5.379       | 694           | 704         | 719          | rBV2     | 86520          | 261388        | 34.39%          | 6.239%        |
| 5         | 5.544       | 721           | 731         | 746          | rVV      | 134654         | 387450        | 50.98%          | 9.248%        |
| 6         | 5.952       | 788           | 798         | 810          | rBV      | 104401         | 282212        | 37.13%          | 6.736%        |
| 7         | 6.757       | 920           | 930         | 942          | rBV      | 230127         | 555326        | 73.07%          | 13.255%       |
| 8         | 7.123       | 981           | 990         | 1007         | rBV2     | 86857          | 198174        | 26.08%          | 4.730%        |
| 9         | 8.647       | 1233          | 1240        | 1256         | rBV      | 464810         | 759996        | 100.00%         | 18.140%       |
| 10        | 10.055      | 1465          | 1471        | 1484         | rBV      | 426664         | 629797        | 82.87%          | 15.032%       |
| 11        | 11.079      | 1634          | 1639        | 1651         | rBV      | 346006         | 461144        | 60.68%          | 11.007%       |
| 12        | 12.018      | 1788          | 1793        | 1807         | rBV      | 423908         | 543606        | 71.53%          | 12.975%       |

Sum of corrected areas: 4189625

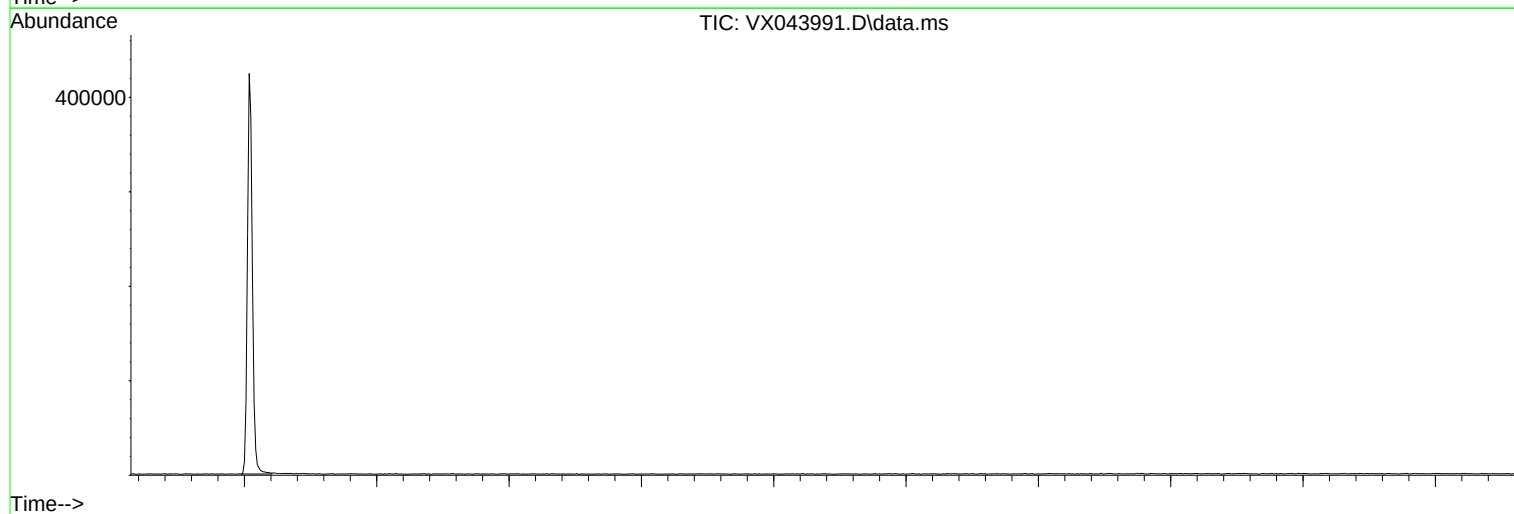
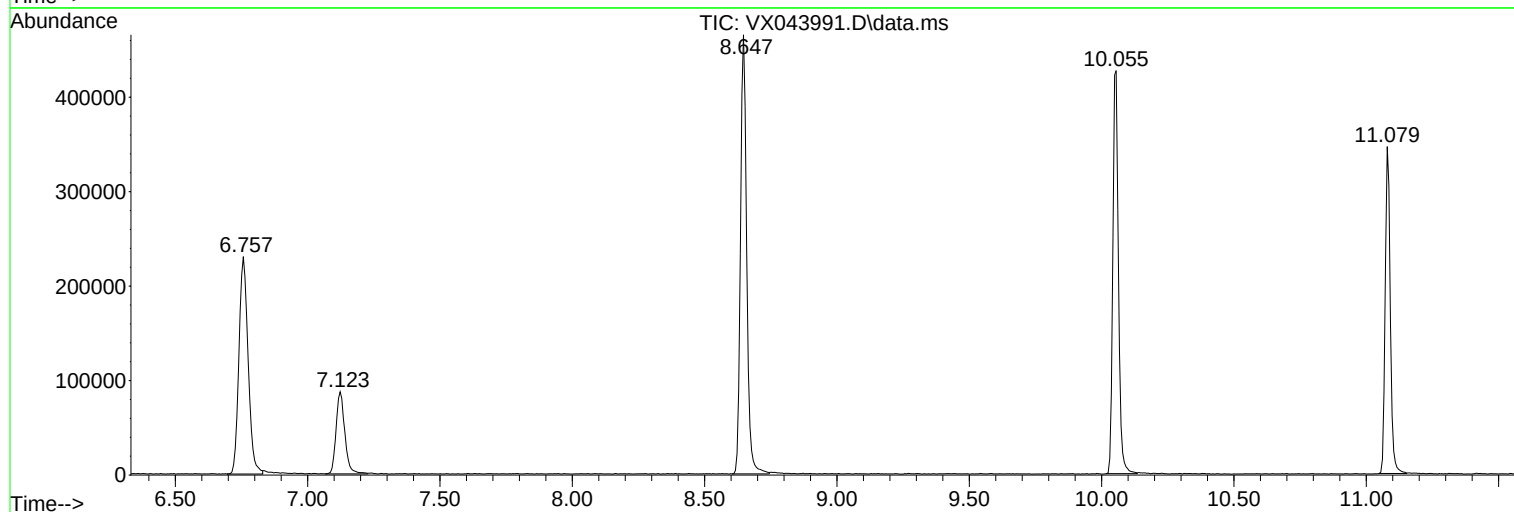
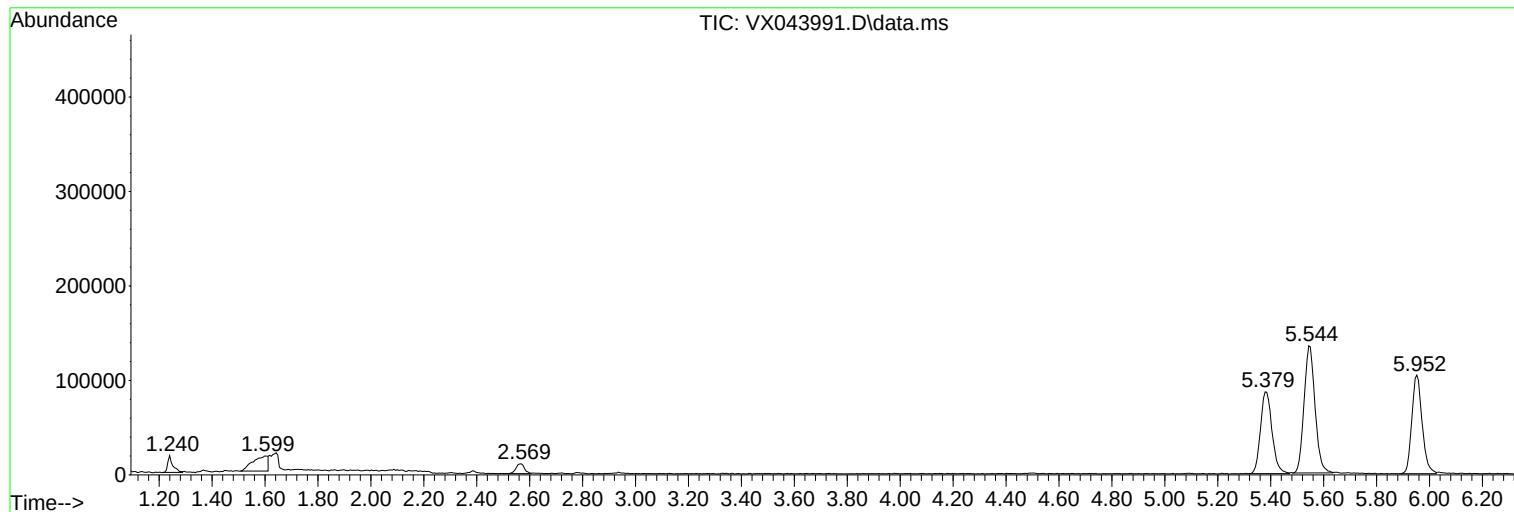


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043991.D  
Acq On : 25 Nov 2024 16:58  
Operator : JC/MD  
Sample : P4873-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-34-20241114

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043991.D  
Acq On : 25 Nov 2024 16:58  
Operator : JC/MD  
Sample : P4873-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-34-20241114

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

TIC Library : C:\Database\NIST20.L

TIC Integration Parameters: LSCINT.P

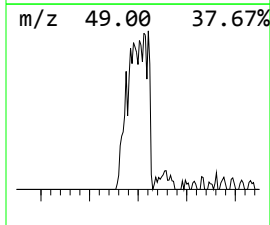
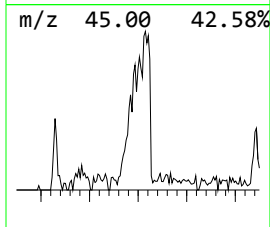
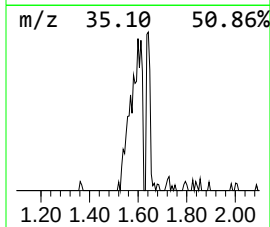
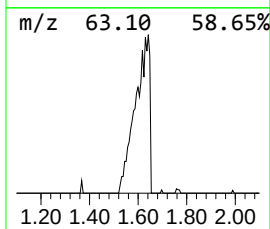
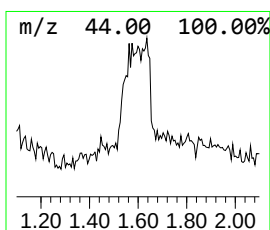
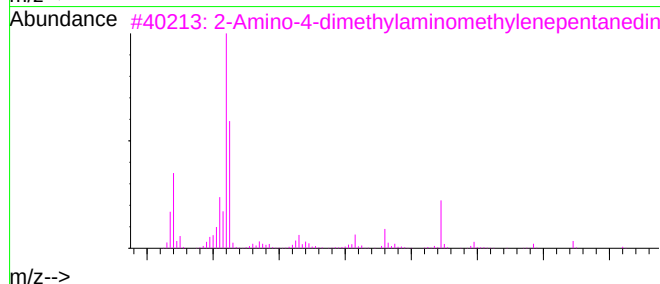
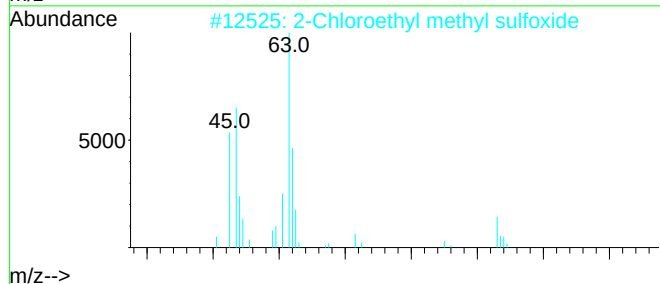
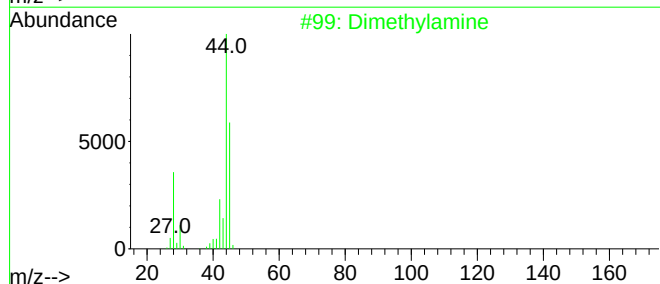
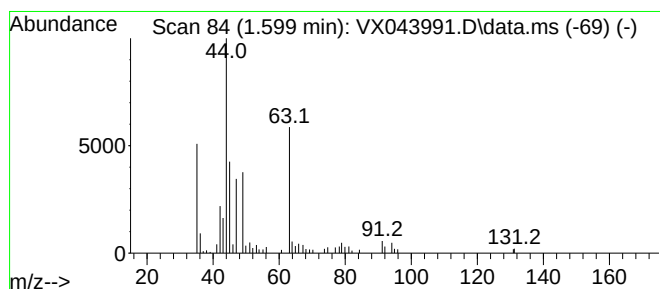
\*\*\*\*\*

Peak Number 1 unknown1.599 Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 1.599 | 8.22 ug/l | 63667 | Pentafluorobenzene | 5.550 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm  | CAS#         | Qual |
|-----------|-------------------------------------|-----|----------|--------------|------|
| 1         | Dimethylamine                       | 45  | C2H7N    | 000124-40-3  | 10   |
| 2         | 2-Chloroethyl methyl sulfoxide      | 126 | C3H7ClOS | 005331-57-7  | 9    |
| 3         | 2-Amino-4-dimethylaminomethylene... | 164 | C8H12N4  | 1000191-40-0 | 9    |
| 4         | dl-Alanine                          | 89  | C3H7NO2  | 000302-72-7  | 9    |
| 5         | l-Guanidinosuccinimide              | 141 | C5H7N3O2 | 1000130-20-8 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043991.D  
Acq On : 25 Nov 2024 16:58  
Operator : JC/MD  
Sample : P4873-06  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-34-20241114

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

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown1.599     | 1.599 | 8.2     | ug/l  | 63667    | 1                     | 5.550 | 387450 | 50.0 |

## Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-GEP-3-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-07                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043992.D        | 1         |           | 11/25/24 17:21 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.60  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 150   | E         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-GEP-3-20241114                 |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-07                            |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043992.D        | 1         |           | 11/25/24 17:21 | VX112524      |

[illegible]

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-GEP-3-20241114                 |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-07                            |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043992.D        | 1         |           | 11/25/24 17:21 | VX112524      |

| CAS Number | Parameter    | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|--------------|-------|-----------|-----|-----|------------|-------|
|            | unknown1.593 | 7.40  | J         |     |     | 1.59       | ug/L  |

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\VX112524\  
 Data File : VX043992.D  
 Acq On : 25 Nov 2024 17:21  
 Operator : JC/MD  
 Sample : P4873-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-GEP-3-20241114

Quant Time: Nov 26 00:51:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

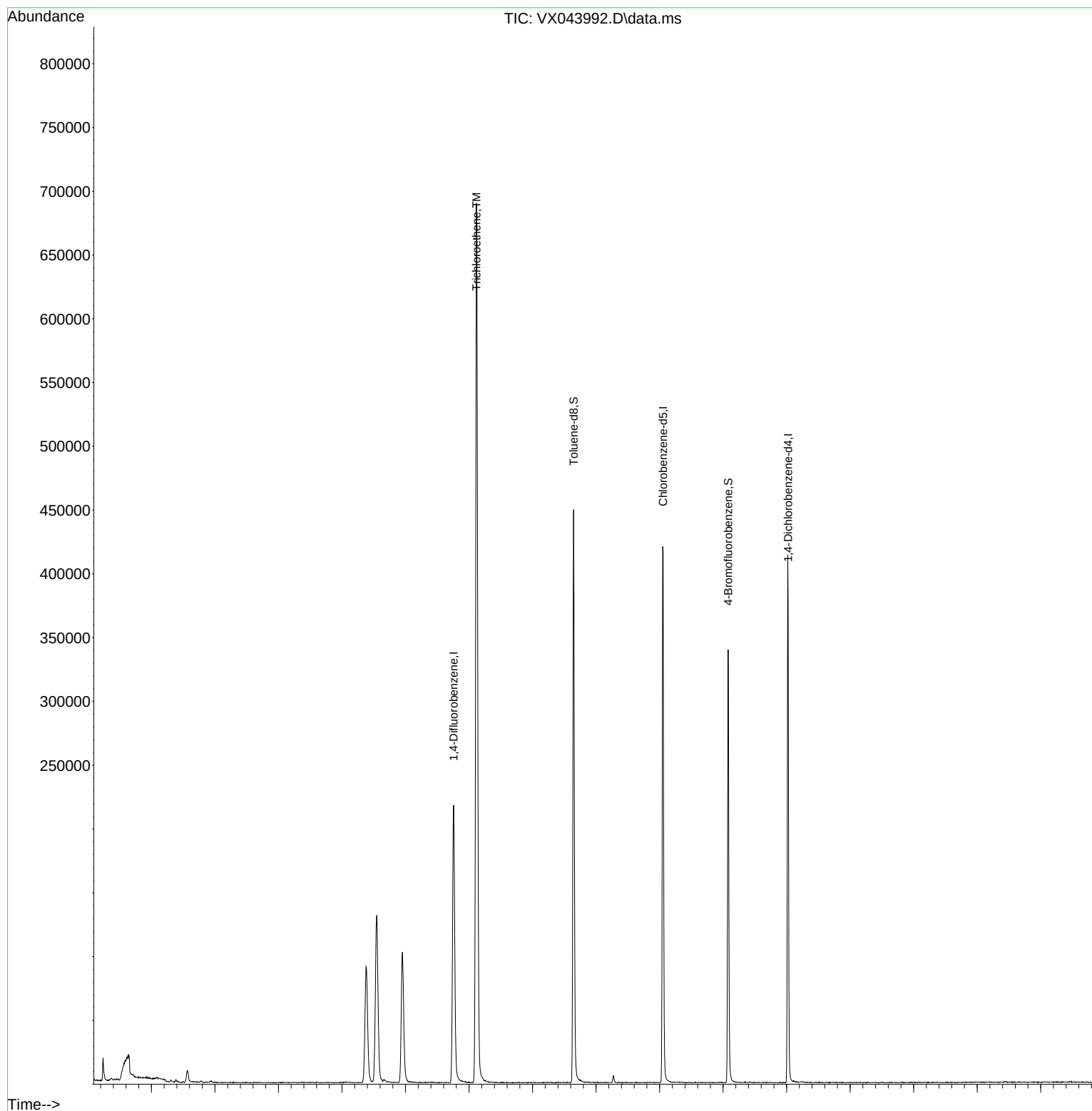
| Compound                    | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|--------|----------|
| -----                       |                |      |            |         |        |          |
| Internal Standards          |                |      |            |         |        |          |
| 1) Pentafluorobenzene       | 5.544          | 168  | 117514     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 213727     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055         | 117  | 189569     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.024         | 152  | 78823      | 50.000  | ug/l   | 0.00     |
|                             |                |      |            |         |        |          |
| System Monitoring Compounds |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952          | 65   | 98843      | 49.040  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = | 98.080% |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 74168      | 48.565  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = | 97.140% |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 263027     | 49.964  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = | 99.920% |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 86837      | 48.469  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = | 96.940% |        |          |
|                             |                |      |            |         |        |          |
| Target Compounds            |                |      |            |         |        |          |
| 16) Acetone                 | 2.386          | 43   | 1513       | 1.634   | ug/l   | 91       |
| 44) Trichloroethene         | 7.117          | 130  | 252075     | 150.213 | ug/l   | 88       |
| 64) Tetrachloroethene       | 9.275          | 164  | 931        | 0.745   | ug/l # | 86       |
| -----                       |                |      |            |         |        |          |

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

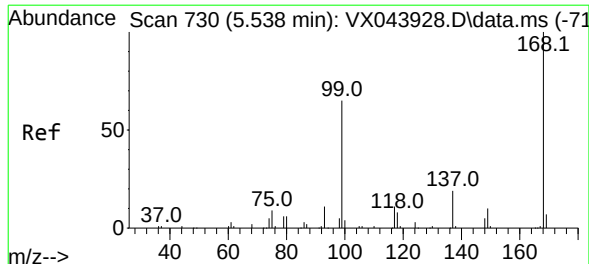
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Data File : VX043992.D  
Acq On : 25 Nov 2024 17:21  
Operator : JC/MD  
Sample : P4873-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114

Quant Time: Nov 26 00:51:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration







#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX043992.D

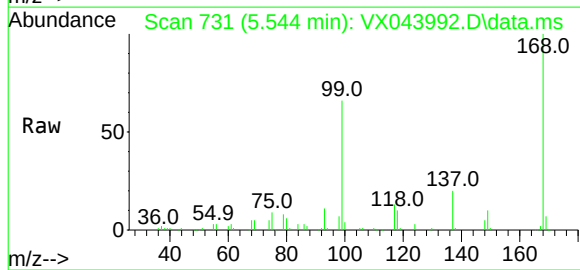
Acq: 25 Nov 2024 17:21

Instrument :

MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114

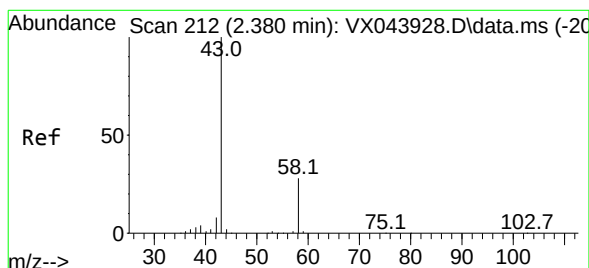
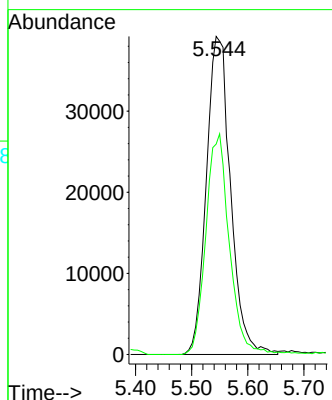
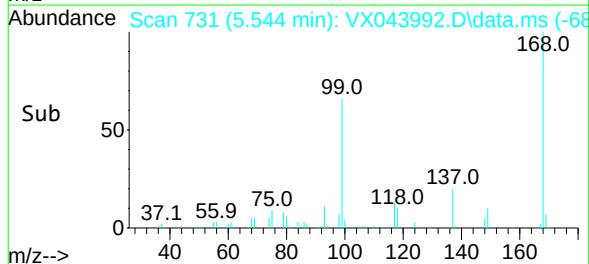


Tgt Ion:168 Resp: 117514

Ion Ratio Lower Upper

168 100

99 66.2 51.8 77.8



#16

Acetone

Concen: 1.634 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043992.D

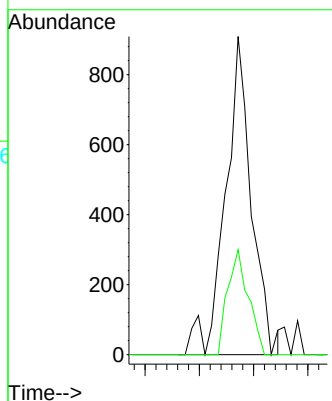
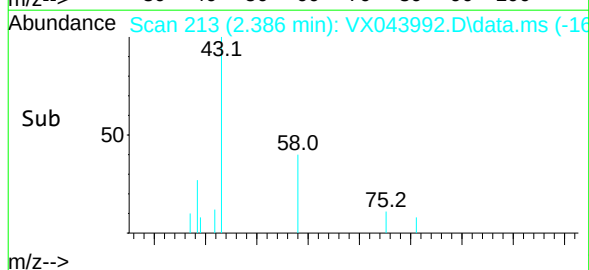
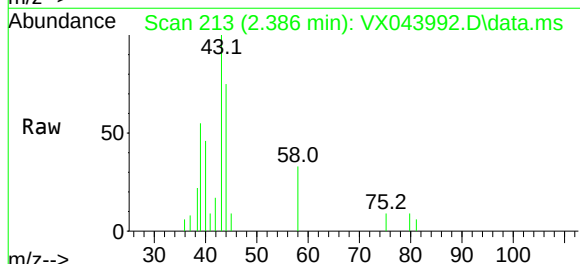
Acq: 25 Nov 2024 17:21

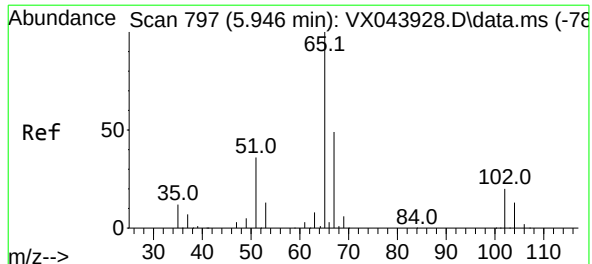
Tgt Ion: 43 Resp: 1513

Ion Ratio Lower Upper

43 100

58 33.0 22.7 34.1





#33

1,2-Dichloroethane-d4

Concen: 49.040 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Instrument :

MSVOA\_X

ClientSampleId :

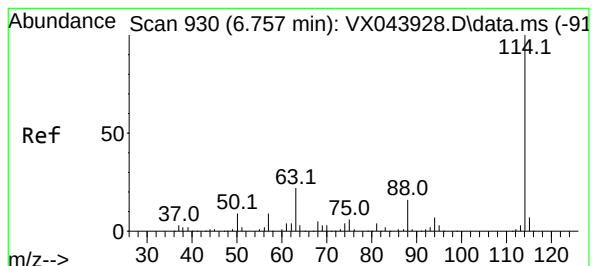
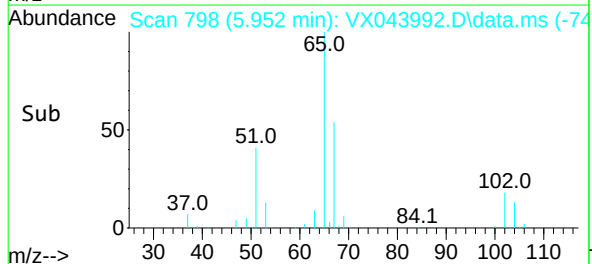
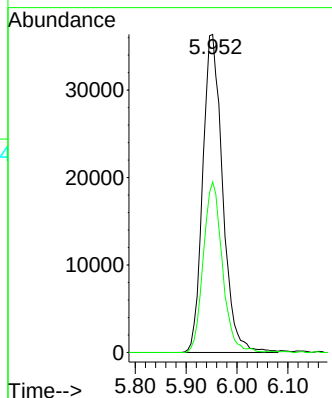
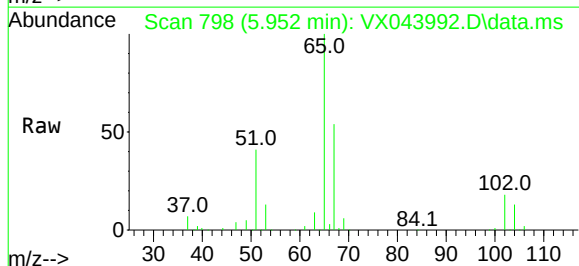
FSND-GEP-3-20241114

Tgt Ion: 65 Resp: 98843

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

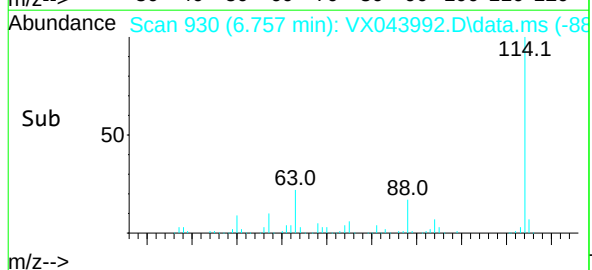
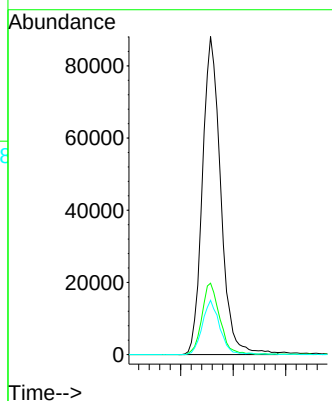
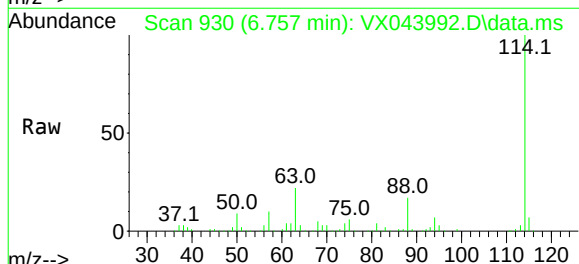
Tgt Ion: 114 Resp: 213727

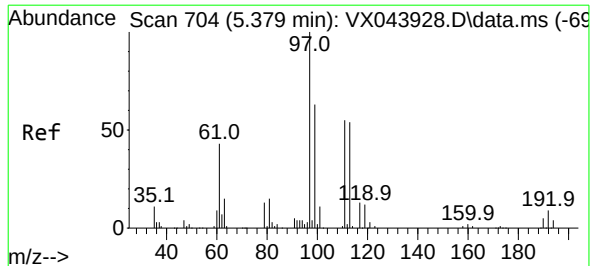
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

88 17.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 48.565 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043992.D

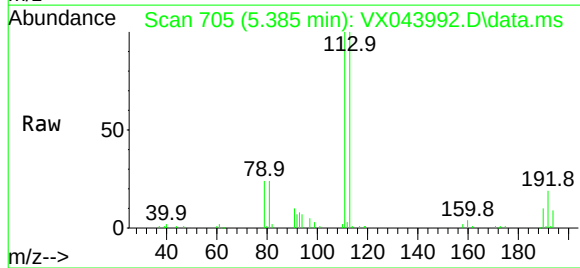
Acq: 25 Nov 2024 17:21

Instrument :

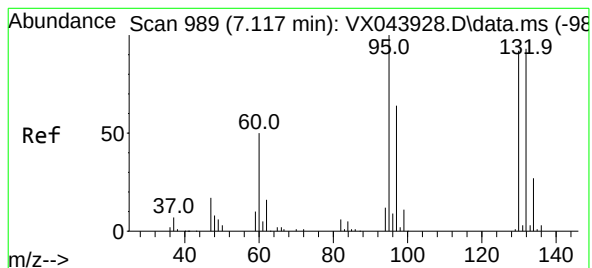
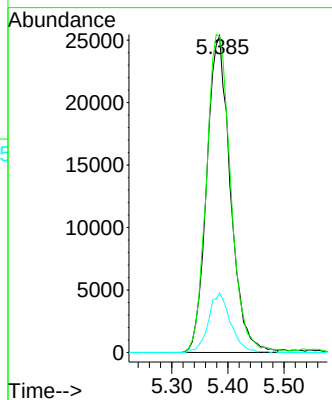
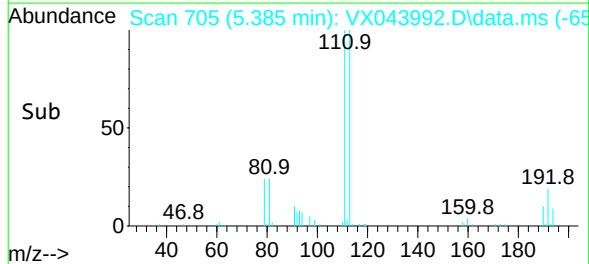
MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 74168 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 103.5 | 81.0  | 121.4 |
| 192      | 17.6  | 13.0  | 19.6  |



#44

Trichloroethene

Concen: 150.213 ug/l

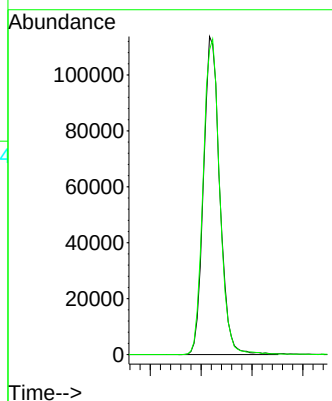
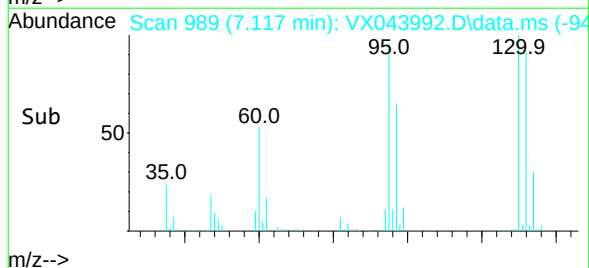
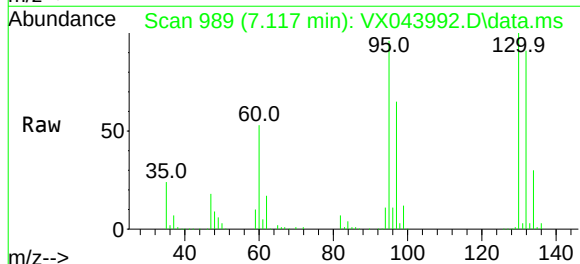
RT: 7.117 min Scan# 989

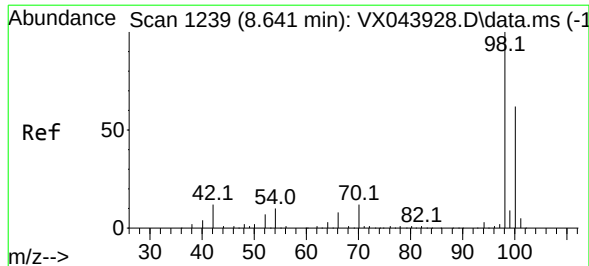
Delta R.T. -0.000 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 252075 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 95.8  | 0.0   | 217.8  |





#50

Toluene-d8

Concen: 49.964 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043992.D

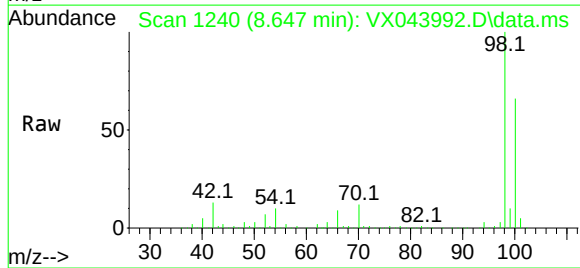
Acq: 25 Nov 2024 17:21

Instrument :

MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114

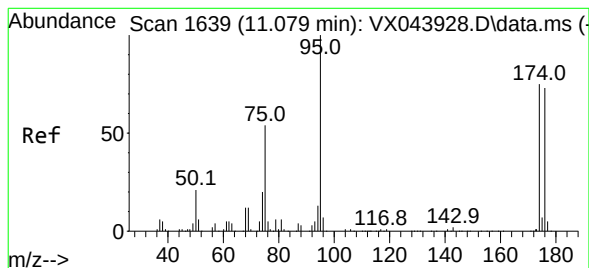
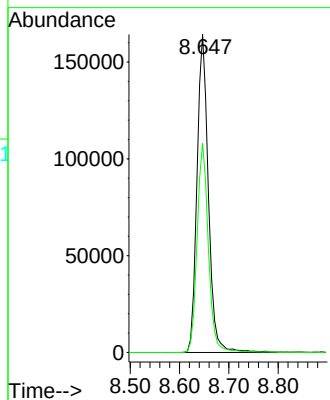
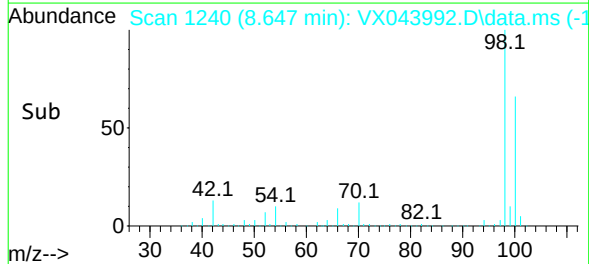


Tgt Ion: 98 Resp: 263027

Ion Ratio Lower Upper

98 100

100 65.4 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 48.469 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

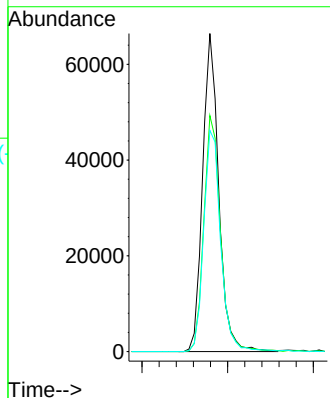
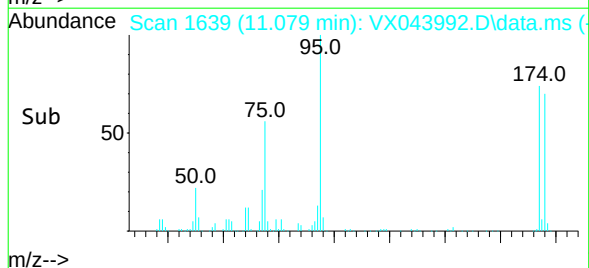
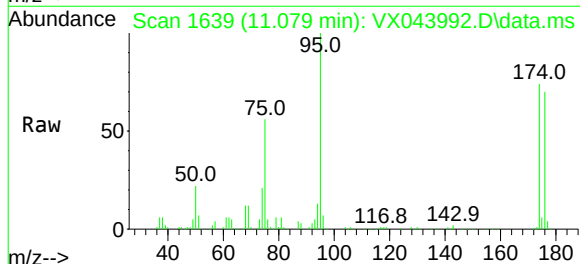
Tgt Ion: 95 Resp: 86837

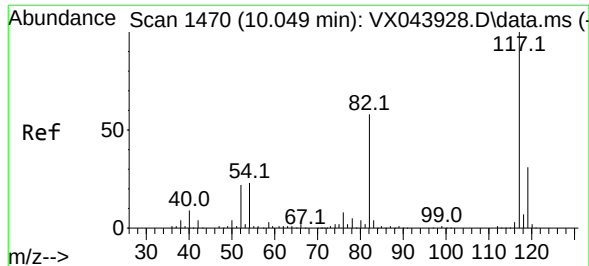
Ion Ratio Lower Upper

95 100

174 76.7 0.0 150.4

176 73.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043992.D

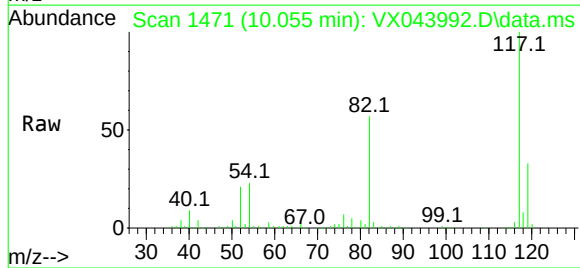
Acq: 25 Nov 2024 17:21

Instrument :

MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114



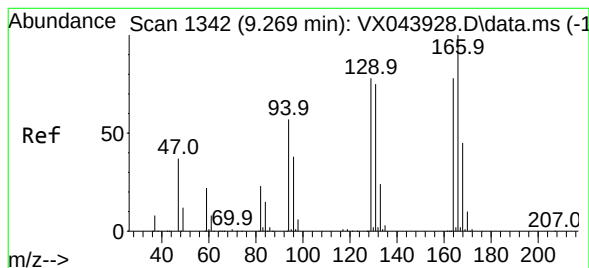
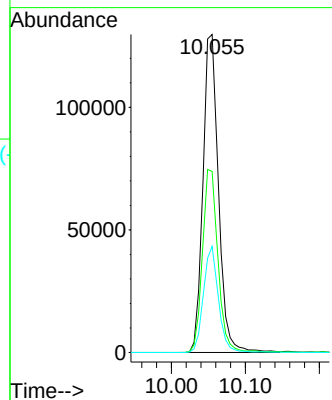
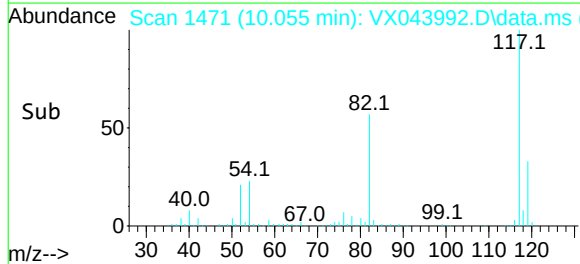
Tgt Ion:117 Resp: 189569

Ion Ratio Lower Upper

117 100

82 56.9 46.4 69.6

119 33.4 24.6 37.0



#64

Tetrachloroethene

Concen: 0.745 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043992.D

Acq: 25 Nov 2024 17:21

Tgt Ion:164 Resp: 931

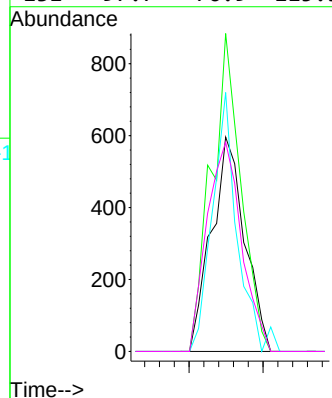
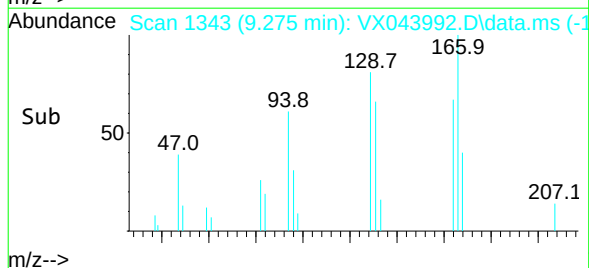
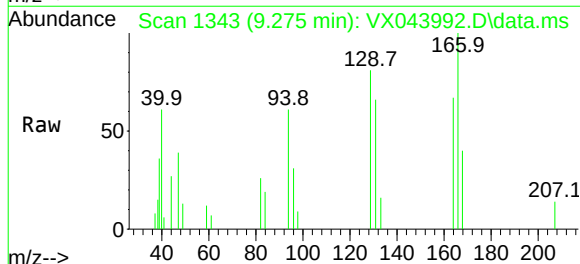
Ion Ratio Lower Upper

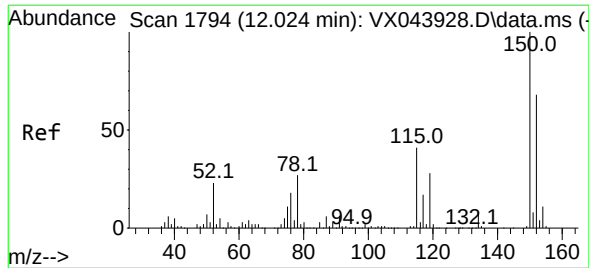
164 100

166 148.3 102.1 153.1

129 120.8 79.6 119.4#

131 97.7 76.9 115.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 17

Delta R.T. -0.000 min

Lab File: VX043992.D

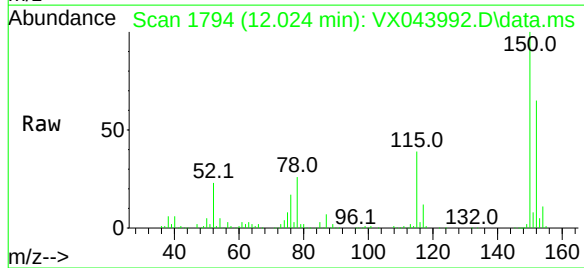
Acq: 25 Nov 2024 17:21

Instrument :

MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114



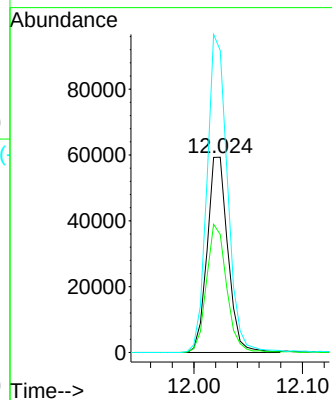
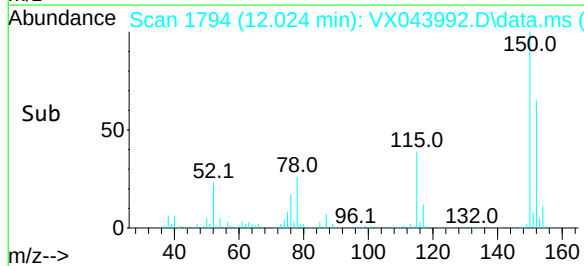
Tgt Ion:152 Resp: 78823

Ion Ratio Lower Upper

152 100

115 64.0 45.4 136.2

150 161.6 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043992.D  
Acq On : 25 Nov 2024 17:21  
Operator : JC/MD  
Sample : P4873-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114

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

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

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

Signal : TIC: VX043992.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         | 1.240       | 21            | 25          | 35           | rBV      | 17823          | 23098         | 1.53%           | 0.429%        |
| 2         | 1.593       | 67            | 83          | 84           | rBV4     | 15868          | 56285         | 3.73%           | 1.045%        |
| 3         | 2.569       | 235           | 243         | 256          | rBV2     | 9408           | 23879         | 1.58%           | 0.444%        |
| 4         | 5.379       | 693           | 704         | 717          | rBV2     | 90792          | 269321        | 17.85%          | 5.003%        |
| 5         | 5.550       | 720           | 732         | 747          | rVV      | 130157         | 380423        | 25.22%          | 7.066%        |
| 6         | 5.952       | 787           | 798         | 814          | rBV      | 102519         | 277990        | 18.43%          | 5.164%        |
| 7         | 6.757       | 921           | 930         | 948          | rBV      | 217485         | 526884        | 34.92%          | 9.787%        |
| 8         | 7.117       | 979           | 989         | 1009         | rBV      | 689705         | 1508668       | 100.00%         | 28.023%       |
| 9         | 8.647       | 1234          | 1240        | 1254         | rBV      | 448829         | 714418        | 47.35%          | 13.270%       |
| 10        | 10.049      | 1465          | 1470        | 1487         | rBV      | 419831         | 618917        | 41.02%          | 11.496%       |
| 11        | 11.079      | 1633          | 1639        | 1653         | rBV      | 339744         | 453628        | 30.07%          | 8.426%        |
| 12        | 12.018      | 1788          | 1793        | 1806         | rBV      | 413993         | 530188        | 35.14%          | 9.848%        |

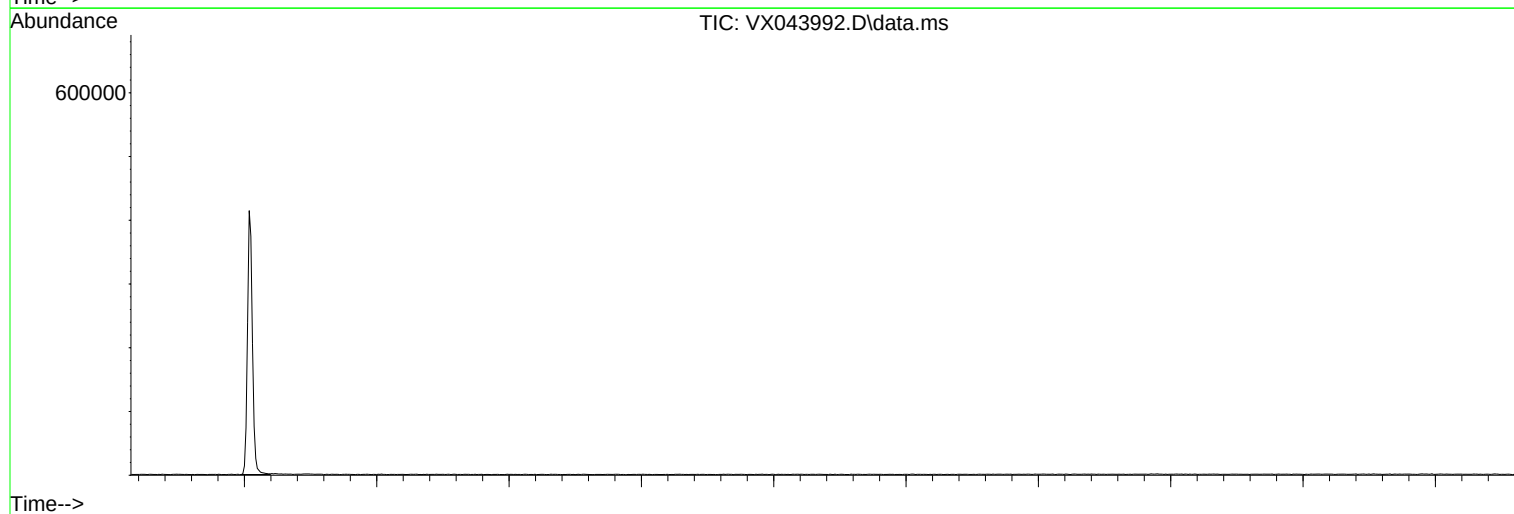
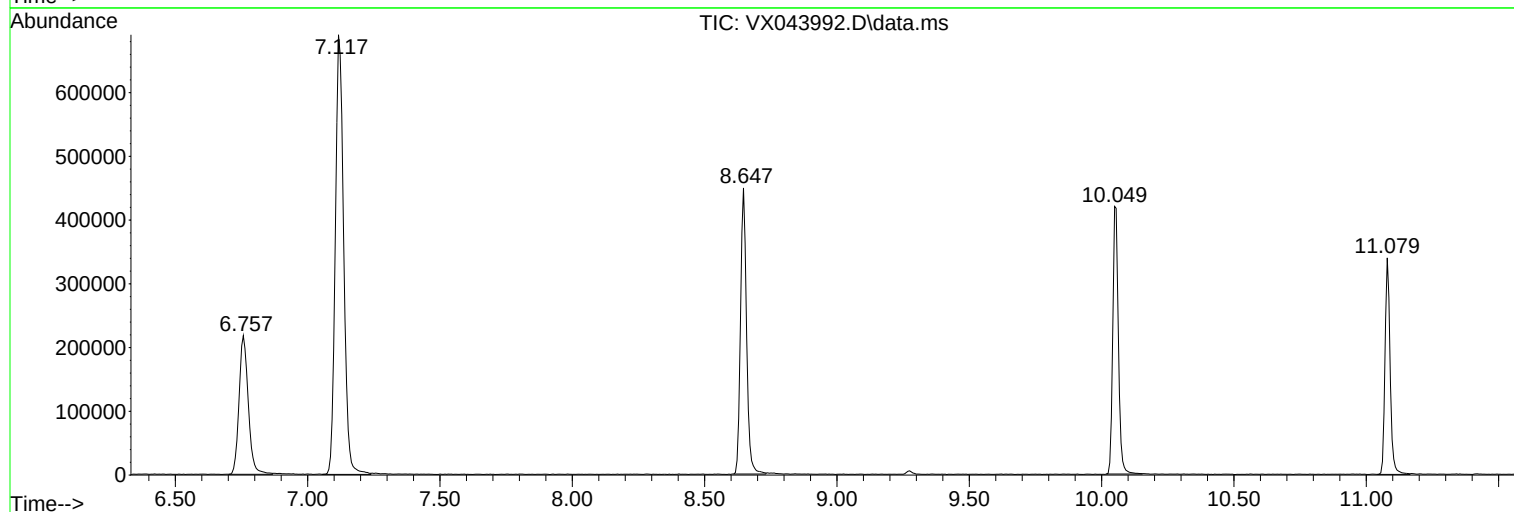
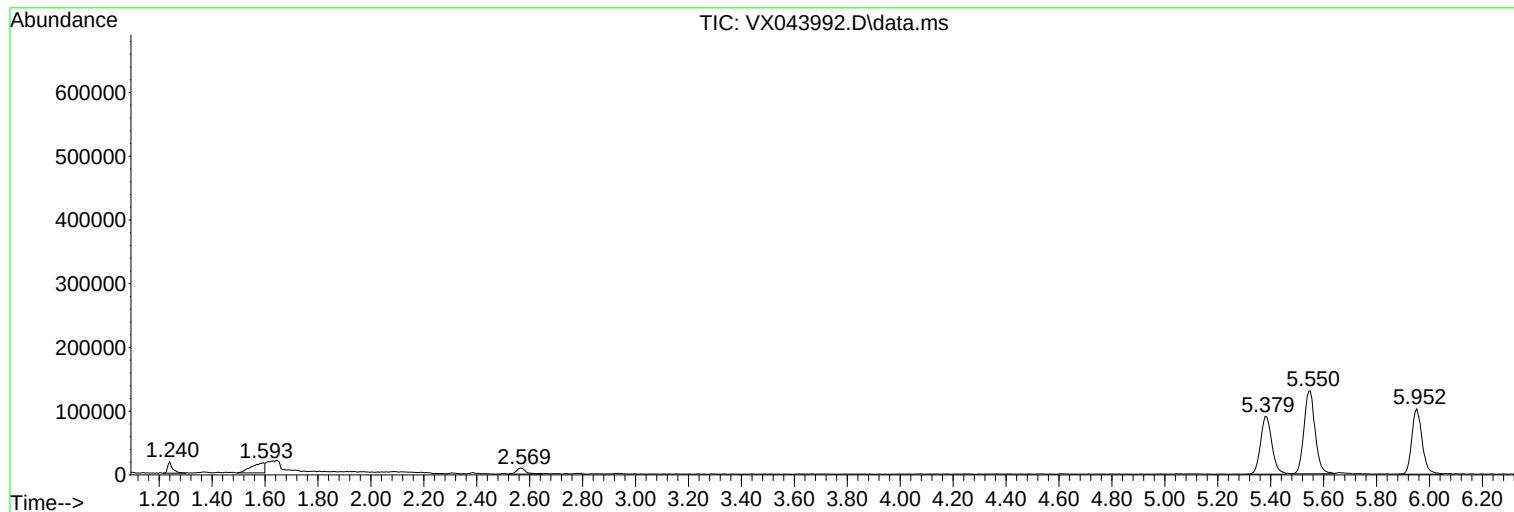
Sum of corrected areas: 5383699

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043992.D  
Acq On : 25 Nov 2024 17:21  
Operator : JC/MD  
Sample : P4873-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114

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

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043992.D  
Acq On : 25 Nov 2024 17:21  
Operator : JC/MD  
Sample : P4873-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114

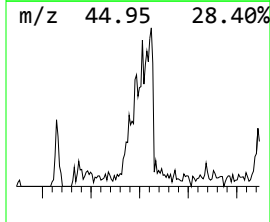
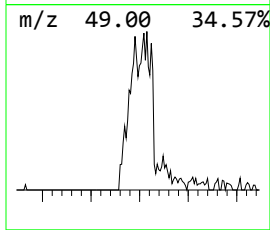
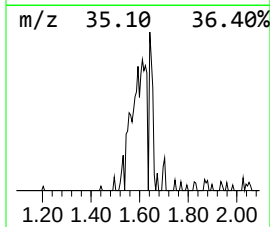
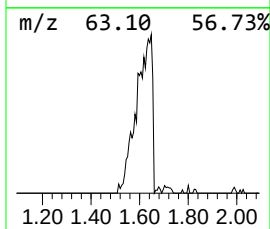
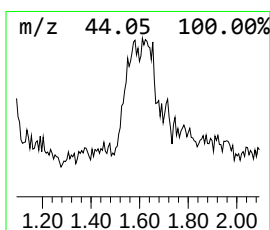
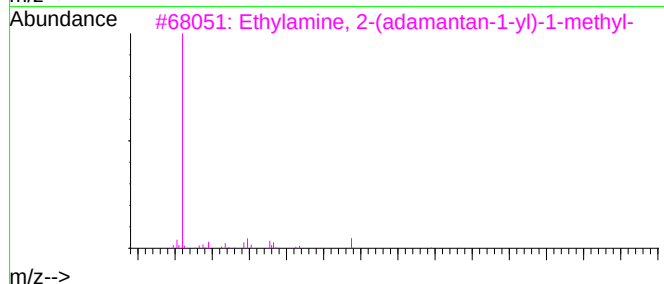
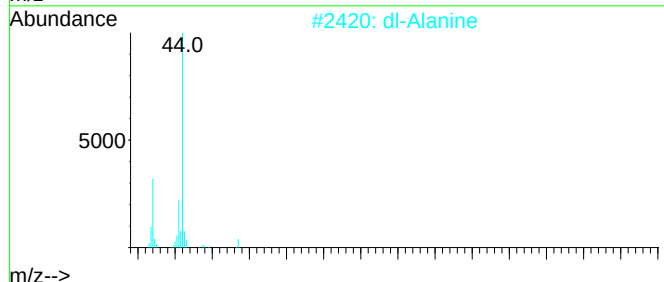
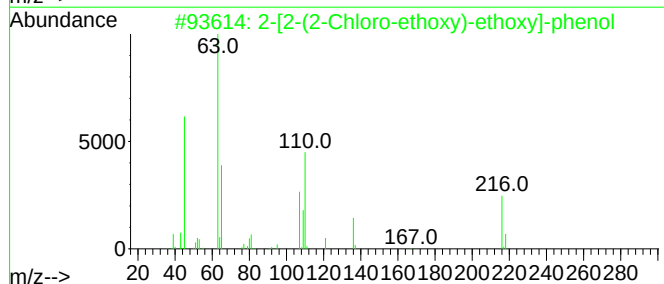
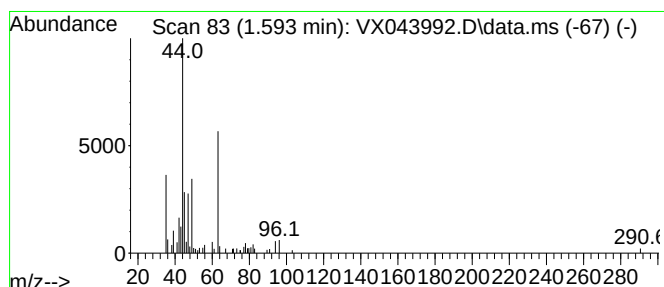
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 1 unknown1.593 Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 1.593 | 7.40 ug/l | 56285 | Pentafluorobenzene | 5.544 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|-----------|-------------------------------------|-----|------------|--------------|------|
| 1         | 2-[2-(2-Chloro-ethoxy)-ethoxy]-p... | 216 | C10H13ClO3 | 1000317-46-1 | 17   |
| 2         | dl-Alanine                          | 89  | C3H7NO2    | 000302-72-7  | 9    |
| 3         | Ethylamine, 2-(adamantan-1-yl)-1... | 193 | C13H23N    | 1000310-59-0 | 9    |
| 4         | Cystamine                           | 152 | C4H12N2S2  | 000051-85-4  | 9    |
| 5         | Dimethyl-(6-methyl-2-thioxo-[1,3... | 211 | C6H14NOPS2 | 139575-19-2  | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043992.D  
Acq On : 25 Nov 2024 17:21  
Operator : JC/MD  
Sample : P4873-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114

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

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown1.593     | 1.593 | 7.4     | ug/l  | 56285    | 1                     | 5.544 | 380423 | 50.0 |

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-GEP-3-20241114DL               |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-07DL                          |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044012.D        | 5         |           | 11/26/24 13:18 | VX112624      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 2.50  | UD        | 1.10 | 2.50 | 5.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 2.50  | UD        | 1.80 | 2.50 | 5.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 3.80  | UD        | 1.70 | 3.80 | 5.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 18.8  | UD        | 6.80 | 18.8 | 25.0       | ug/L  |
| 75-00-3        | Chloroethane                   | 3.80  | UD        | 2.80 | 3.80 | 5.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 2.50  | UD        | 1.70 | 2.50 | 5.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.50  | UD        | 1.30 | 2.50 | 5.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 3.80  | UD        | 1.30 | 3.80 | 5.00       | ug/L  |
| 67-64-1        | Acetone                        | 18.8  | UD        | 7.00 | 18.8 | 25.0       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 3.80  | UD        | 1.60 | 3.80 | 5.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 2.50  | UD        | 0.80 | 2.50 | 5.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 3.80  | UD        | 3.00 | 3.80 | 5.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 2.50  | UD        | 1.60 | 2.50 | 5.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 2.50  | UD        | 1.30 | 2.50 | 5.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 2.50  | UD        | 1.20 | 2.50 | 5.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 12.5  | UD        | 8.10 | 12.5 | 25.0       | ug/L  |
| 78-93-3        | 2-Butanone                     | 12.5  | UD        | 6.50 | 12.5 | 25.0       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 2.50  | UD        | 1.30 | 2.50 | 5.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3.80  | UD        | 1.30 | 3.80 | 5.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 2.50  | UD        | 0.90 | 2.50 | 5.00       | ug/L  |
| 67-66-3        | Chloroform                     | 2.50  | UD        | 1.30 | 2.50 | 5.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 2.50  | UD        | 0.95 | 2.50 | 5.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 2.50  | UD        | 0.95 | 2.50 | 5.00       | ug/L  |
| 71-43-2        | Benzene                        | 2.50  | UD        | 0.80 | 2.50 | 5.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 2.50  | UD        | 1.20 | 2.50 | 5.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 150   | D         | 1.60 | 3.80 | 5.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 2.50  | UD        | 0.95 | 2.50 | 5.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 2.50  | UD        | 1.20 | 2.50 | 5.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 12.5  | UD        | 3.80 | 12.5 | 25.0       | ug/L  |
| 108-88-3       | Toluene                        | 2.50  | UD        | 0.90 | 2.50 | 5.00       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-GEP-3-20241114DL               |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-07DL                          |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044012.D        | 5         |           | 11/26/24 13:18 | VX112624      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 2.50   | UD        | 1.10     | 2.50 | 5.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 2.50   | UD        | 0.90     | 2.50 | 5.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 2.50   | UD        | 1.10     | 2.50 | 5.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 12.5   | UD        | 5.70     | 12.5 | 25.0       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 2.50   | UD        | 0.90     | 2.50 | 5.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 2.50   | UD        | 0.80     | 2.50 | 5.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 2.50   | UD        | 1.30     | 2.50 | 5.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 2.50   | UD        | 0.65     | 2.50 | 5.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 2.50   | UD        | 0.80     | 2.50 | 5.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 5.00   | UD        | 1.60     | 5.00 | 10.0       | ug/L    |
| 95-47-6                   | o-Xylene                    | 2.50   | UD        | 0.70     | 2.50 | 5.00       | ug/L    |
| 100-42-5                  | Styrene                     | 2.50   | UD        | 0.80     | 2.50 | 5.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 2.50   | UD        | 1.10     | 2.50 | 5.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 2.50   | UD        | 0.65     | 2.50 | 5.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 2.50   | UD        | 1.40     | 2.50 | 5.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 2.50   | UD        | 1.20     | 2.50 | 5.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 2.50   | UD        | 1.40     | 2.50 | 5.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 2.50   | UD        | 0.95     | 2.50 | 5.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 3.80   | UD        | 2.30     | 3.80 | 5.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 2.50   | UD        | 2.10     | 2.50 | 5.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 3.80   | UD        | 2.60     | 3.80 | 5.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.1   |           | 81 - 118 |      | 100%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 46.6   |           | 80 - 119 |      | 93%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 49.9   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.5   |           | 85 - 114 |      | 97%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 111000 | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 210000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 187000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 78200  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                     |           |                 |               |
|--------------------|-------------------------------------|-----------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |           | Date Collected: | 11/14/24      |
| Project:           | Scotia, NY - Annual Testing         |           | Date Received:  | 11/15/24      |
| Client Sample ID:  | FSND-GEP-3-20241114DL               |           | SDG No.:        | P4873         |
| Lab Sample ID:     | P4873-07DL                          |           | Matrix:         | Water         |
| Analytical Method: | SW8260                              |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044012.D        | 5         |           | 11/26/24 13:18 | VX112624      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044012.D  
Acq On : 26 Nov 2024 13:18  
Operator : JC/MD  
Sample : P4873-07DL 5X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114DL

Quant Time: Nov 27 00:51:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

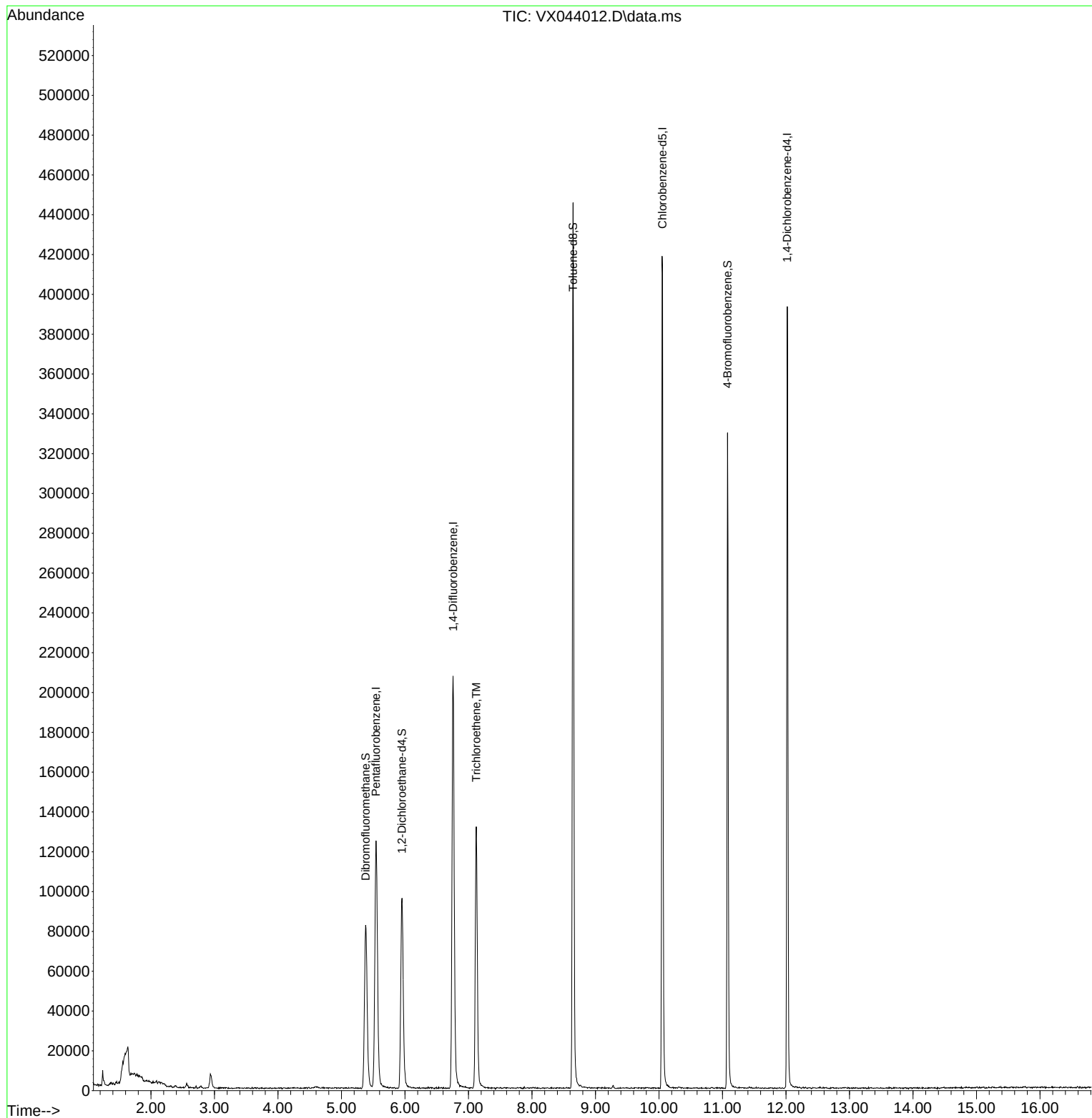
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 110646   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 210130   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 186506   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 78197    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 95153    | 50.139   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 100.280% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 69909    | 46.560   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 93.120%  |
| 50) Toluene-d8              | 8.647  | 98    | 258123   | 49.871   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 99.740%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 85448    | 48.510   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 97.020%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 44) Trichloroethene         | 7.123  | 130   | 49983    | 30.295   | ug/l   | 91       |
| -----                       |        |       |          |          |        |          |

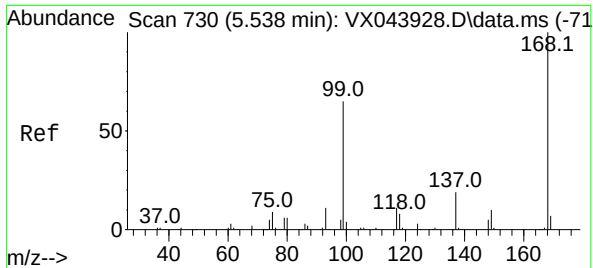
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044012.D  
Acq On : 26 Nov 2024 13:18  
Operator : JC/MD  
Sample : P4873-07DL 5X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114DL

Quant Time: Nov 27 00:51:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

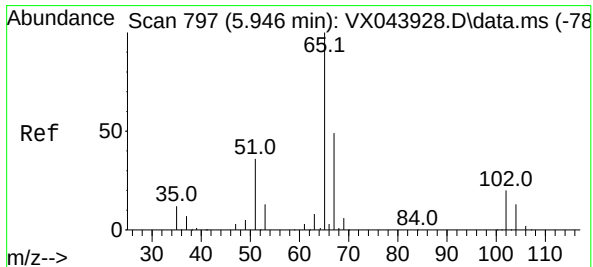
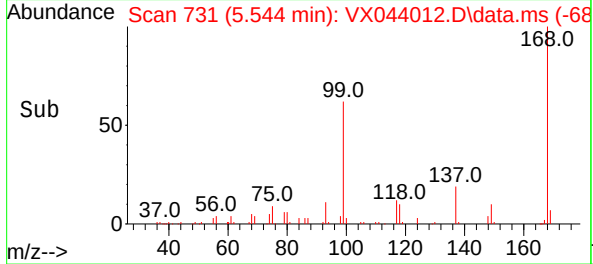
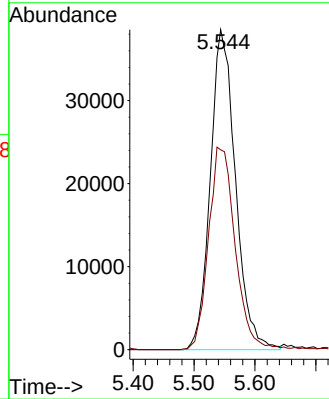
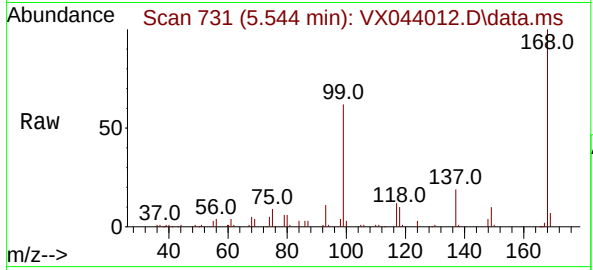




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.006 min  
Lab File: VX044012.D  
Acq: 26 Nov 2024 13:18

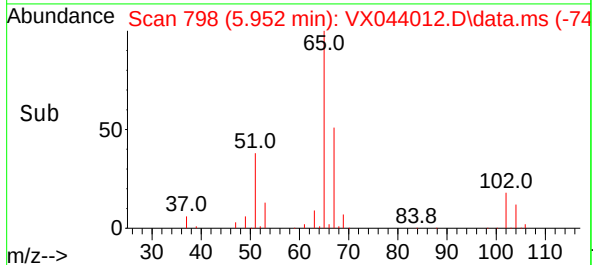
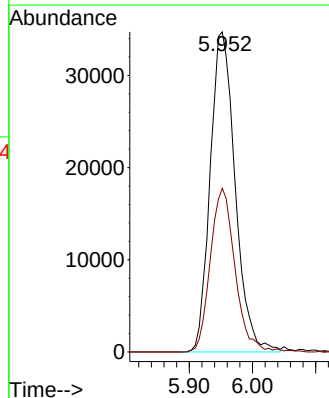
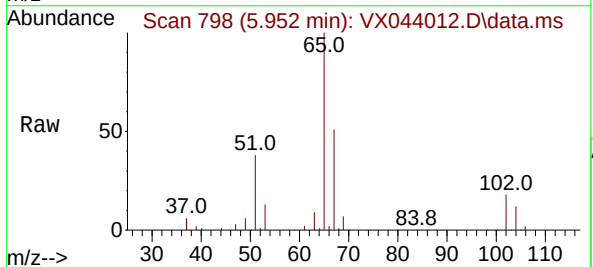
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114DL

Tgt Ion:168 Resp: 110646  
Ion Ratio Lower Upper  
168 100  
99 62.5 51.8 77.8

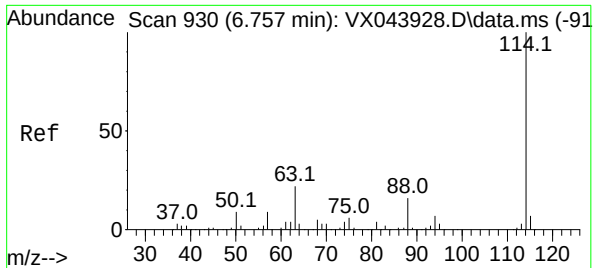


#33  
1,2-Dichloroethane-d4  
Concen: 50.139 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX044012.D  
Acq: 26 Nov 2024 13:18

Tgt Ion: 65 Resp: 95153  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 100.8







#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX044012.D

Acq: 26 Nov 2024 13:18

Instrument :

MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114DL

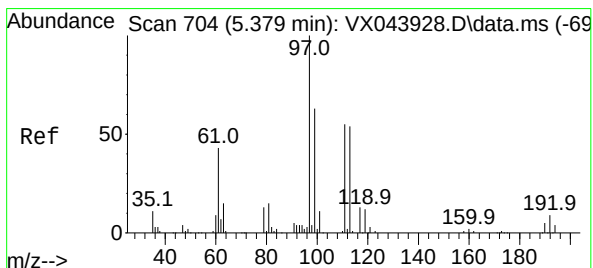
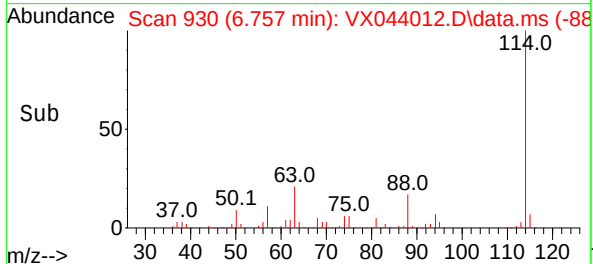
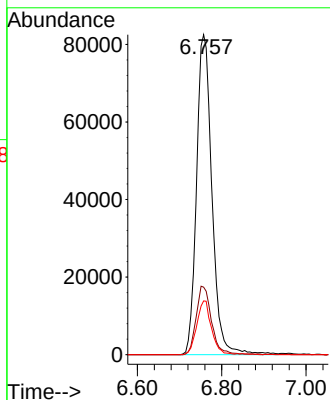
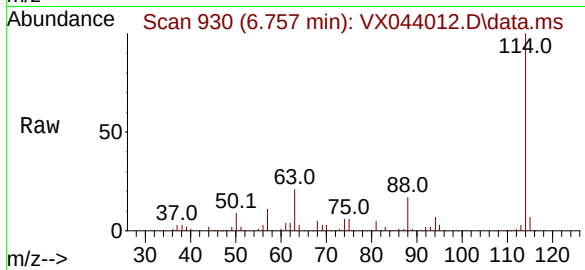
Tgt Ion:114 Resp: 210130

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

88 16.8 0.0 32.4



#35

Dibromofluoromethane

Concen: 46.560 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044012.D

Acq: 26 Nov 2024 13:18

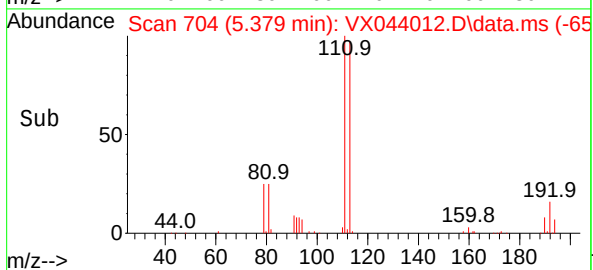
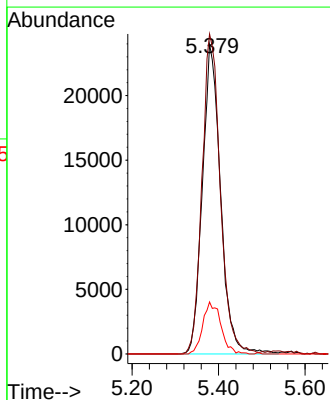
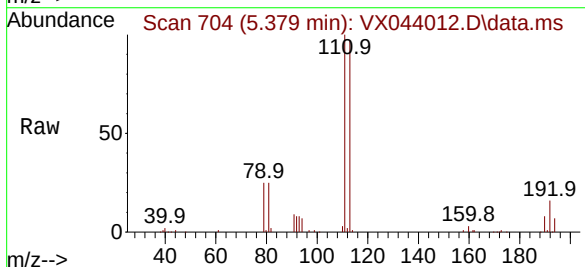
Tgt Ion:113 Resp: 69909

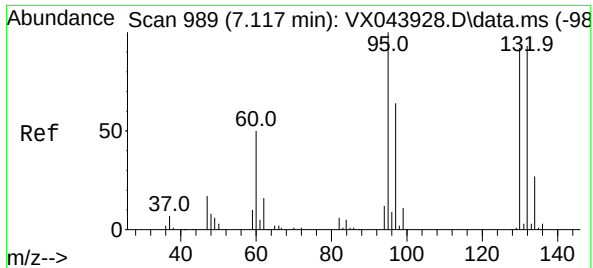
Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.4

192 16.7 13.0 19.6

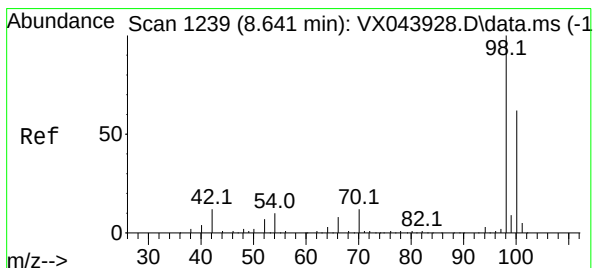
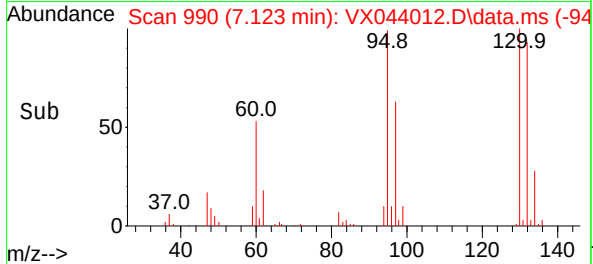
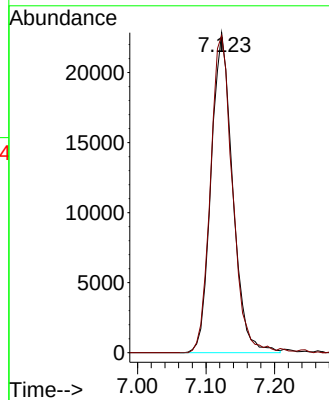
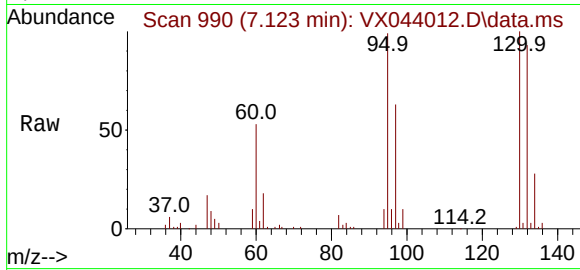




#44  
Trichloroethene  
Concen: 30.295 ug/l  
RT: 7.123 min Scan# 90  
Delta R.T. 0.006 min  
Lab File: VX044012.D  
Acq: 26 Nov 2024 13:18

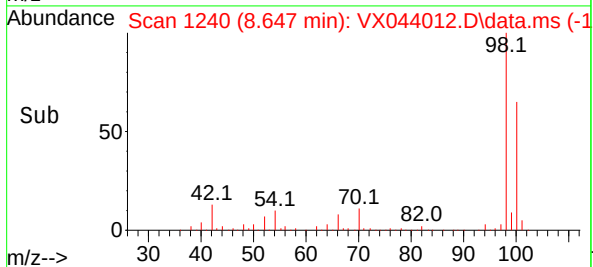
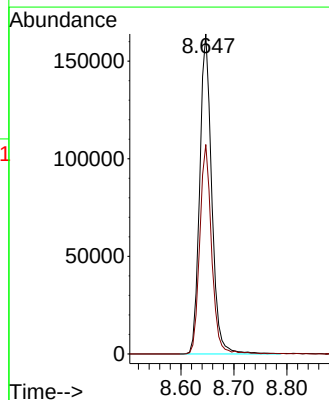
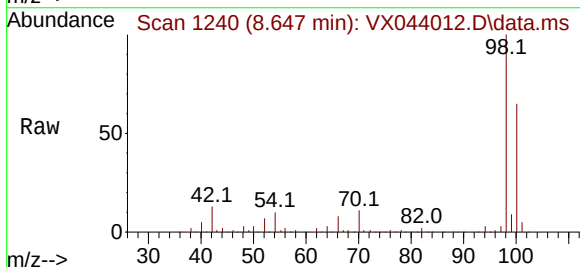
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-GEP-3-20241114DL

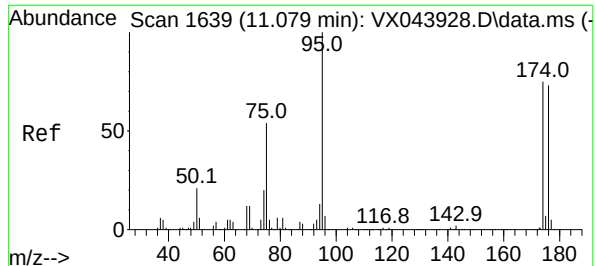
Tgt Ion:130 Resp: 49983  
Ion Ratio Lower Upper  
130 100  
95 99.1 0.0 217.8



#50  
Toluene-d8  
Concen: 49.871 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX044012.D  
Acq: 26 Nov 2024 13:18

Tgt Ion: 98 Resp: 258123  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 48.510 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044012.D

Acq: 26 Nov 2024 13:18

Instrument :

MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114DL

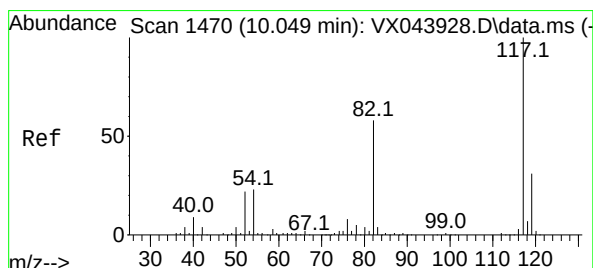
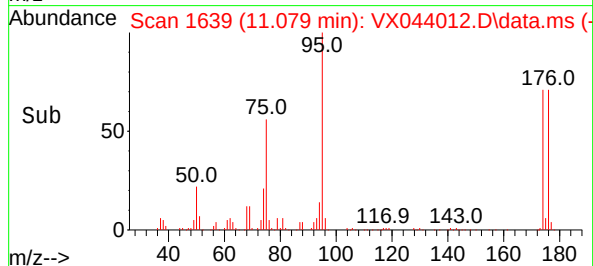
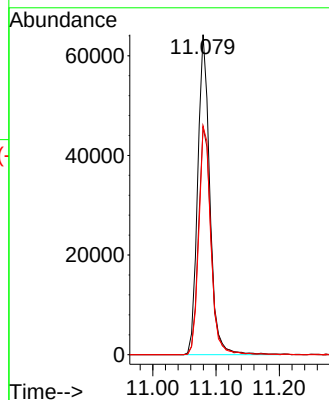
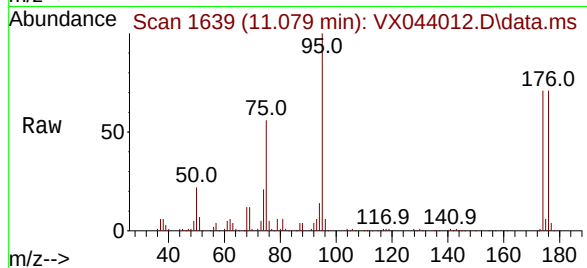
Tgt Ion: 95 Resp: 85448

Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.4

176 71.7 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044012.D

Acq: 26 Nov 2024 13:18

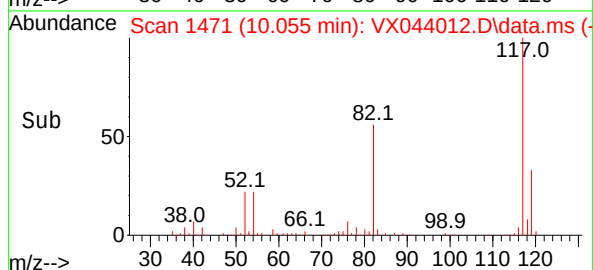
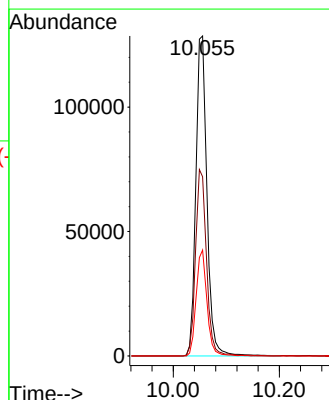
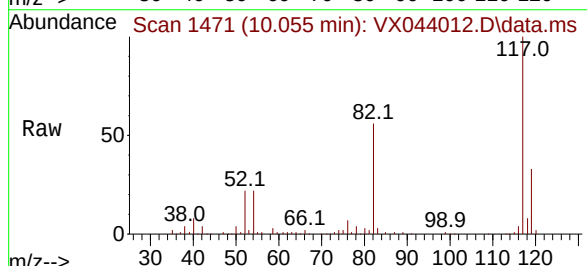
Tgt Ion: 117 Resp: 186506

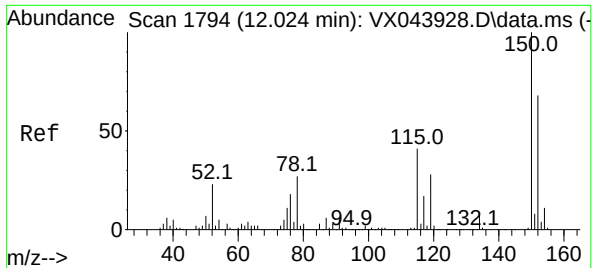
Ion Ratio Lower Upper

117 100

82 56.0 46.4 69.6

119 33.1 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX044012.D

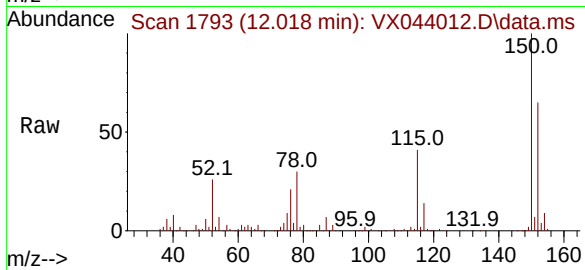
Acq: 26 Nov 2024 13:18

Instrument :

MSVOA\_X

ClientSampleId :

FSND-GEP-3-20241114DL



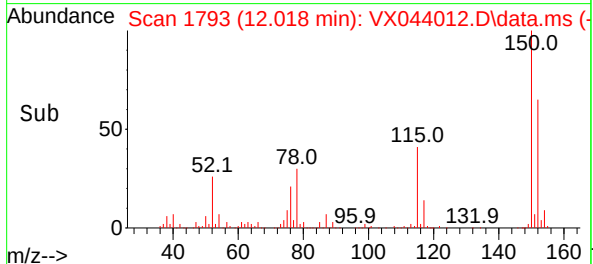
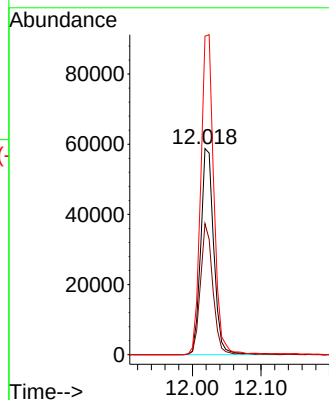
Tgt Ion:152 Resp: 78197

Ion Ratio Lower Upper

152 100

115 60.8 45.4 136.2

150 155.9 0.0 353.0



## Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-28-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-08                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043993.D        | 1         |           | 11/25/24 17:44 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.00  | J         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.35  | J         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.80  | J         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 1.40  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 3.50  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 250   | E         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 1.70  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-28-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-08                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043993.D        | 1         |           | 11/25/24 17:44 | VX112524      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 2.50   | U         | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 1.70   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 24.4   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.75   | U         | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.50   | U         | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.75   | U         | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.9   |           | 81 - 118 |      | 102%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 47.1   |           | 80 - 119 |      | 94%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.9   |           | 89 - 112 |      | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 45.8   |           | 85 - 114 |      | 92%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 109000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 207000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 184000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 69500  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | EA Engineering Science & Technology        | Date Collected: | 11/14/24                     |
| Project:           | Scotia, NY - Annual Testing                | Date Received:  | 11/15/24                     |
| Client Sample ID:  | FSND-MW-28-20241114                        | SDG No.:        | P4873                        |
| Lab Sample ID:     | P4873-08                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043993.D        | 1         |           | 11/25/24 17:44 | VX112524      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043993.D  
 Acq On : 25 Nov 2024 17:44  
 Operator : JC/MD  
 Sample : P4873-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-28-20241114

Quant Time: Nov 26 00:51:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 108714              | 50.000  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 206635              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 183586              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 69483               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 94974               | 50.934  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 101.860% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 69574               | 47.121  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 94.240%  |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 259104              | 50.908  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 101.820% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 79414               | 45.847  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 91.700%  |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         |        |          |
|                              |                |      |                     |         | Qvalue |          |
| 16) Acetone                  | 2.386          | 43   | 2595                | 3.030   | ug/l   | 93       |
| 20) Methylene Chloride       | 2.782          | 84   | 509                 | 0.350   | ug/l # | 77       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 1036                | 0.801   | ug/l # | 72       |
| 30) Chloroform               | 5.093          | 83   | 3767                | 1.387   | ug/l # | 79       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 8101                | 3.459   | ug/l # | 87       |
| 44) Trichloroethene          | 7.117          | 130  | 405015              | 249.635 | ug/l   | 94       |
| 47) Bromodichloromethane     | 7.824          | 83   | 3405                | 1.710   | ug/l # | 94       |
| 60) Dibromochloromethane     | 9.525          | 129  | 2389                | 1.682   | ug/l   | 96       |
| 64) Tetrachloroethene        | 9.269          | 164  | 29576               | 24.432  | ug/l   | 96       |
| -----                        |                |      |                     |         |        |          |

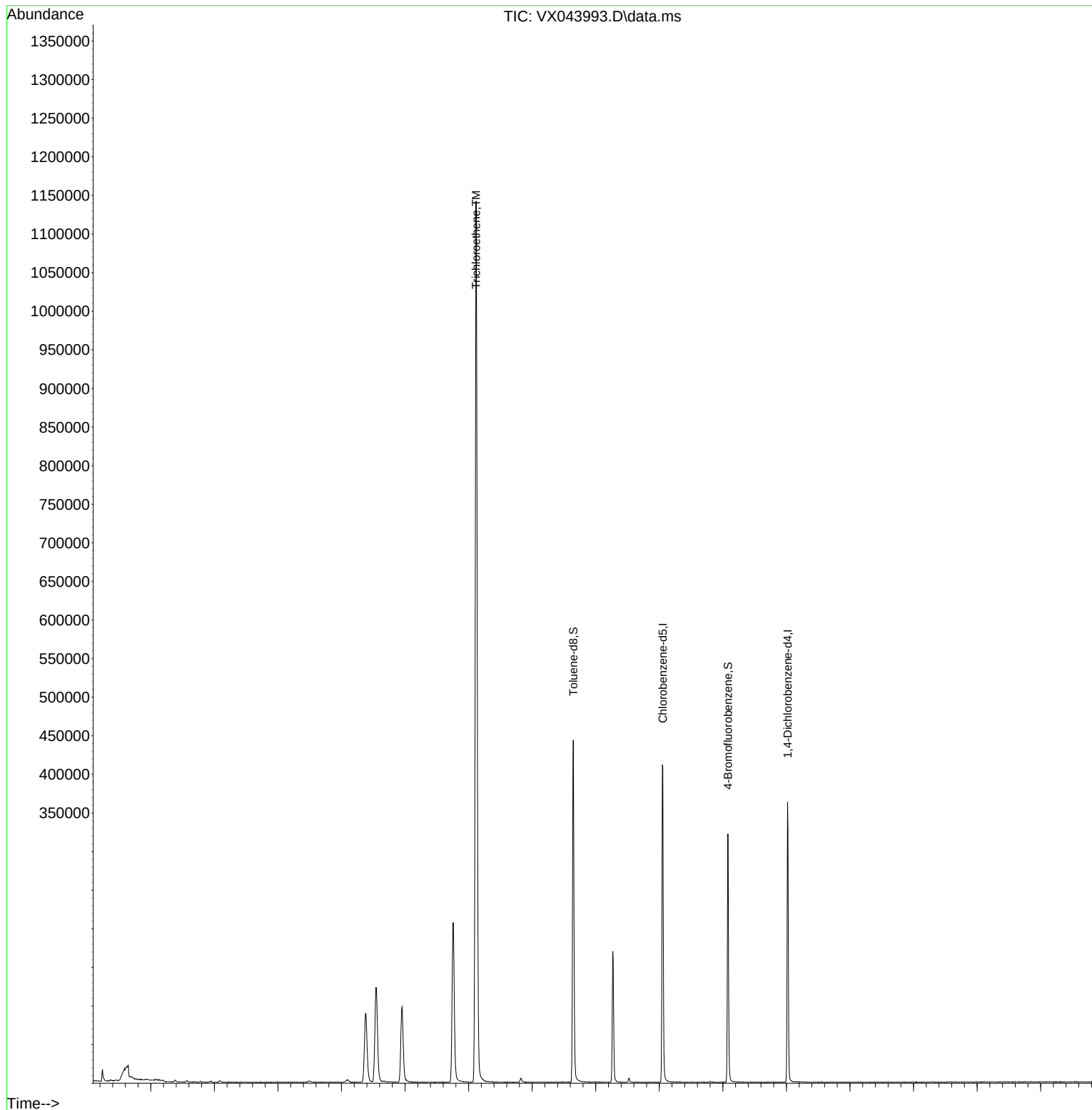
(#) = qualifier out of range (m) = manual integration (+) = signals summed

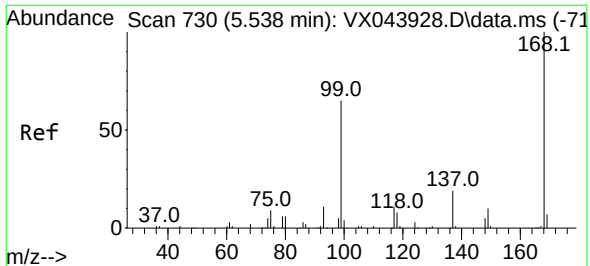


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Data File : VX043993.D  
Acq On : 25 Nov 2024 17:44  
Operator : JC/MD  
Sample : P4873-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-28-20241114

Quant Time: Nov 26 00:51:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

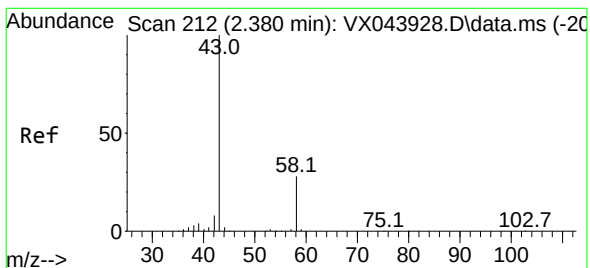
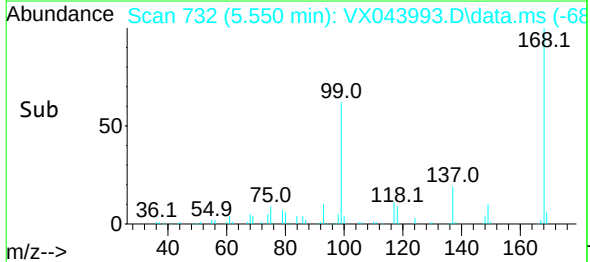
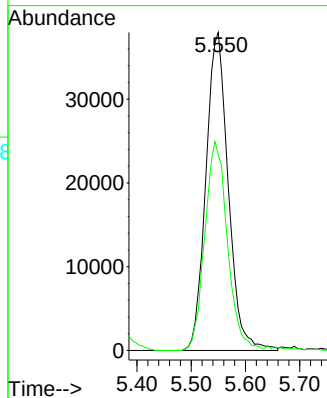
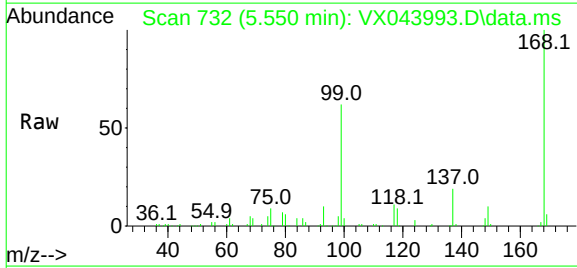




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 730  
Delta R.T. 0.012 min  
Lab File: VX043993.D  
Acq: 25 Nov 2024 17:44

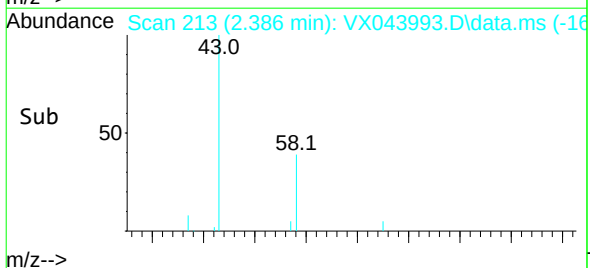
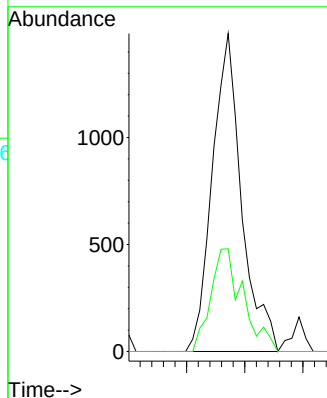
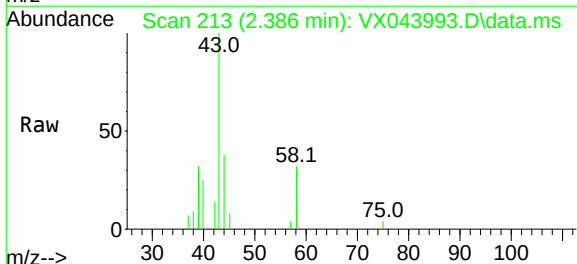
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-28-20241114

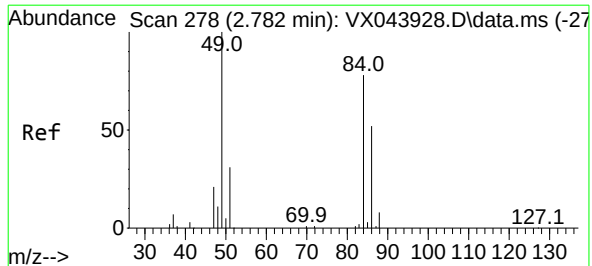
Tgt Ion: 168 Resp: 108714  
Ion Ratio Lower Upper  
168 100  
99 61.6 51.8 77.8



#16  
Acetone  
Concen: 3.030 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043993.D  
Acq: 25 Nov 2024 17:44

Tgt Ion: 43 Resp: 2595  
Ion Ratio Lower Upper  
43 100  
58 32.3 22.7 34.1





#20

Methylene Chloride

Concen: 0.350 ug/l

RT: 2.782 min Scan# 27

Delta R.T. -0.000 min

Lab File: VX043993.D

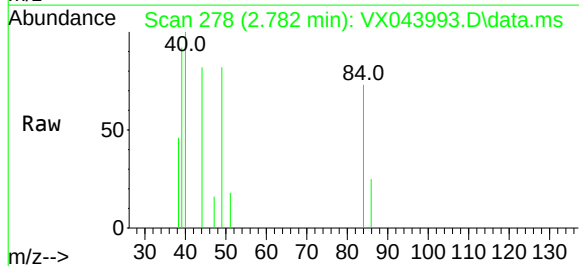
Acq: 25 Nov 2024 17:44

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114



Tgt Ion: 84 Resp: 509

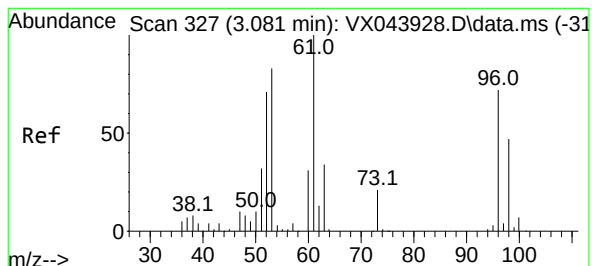
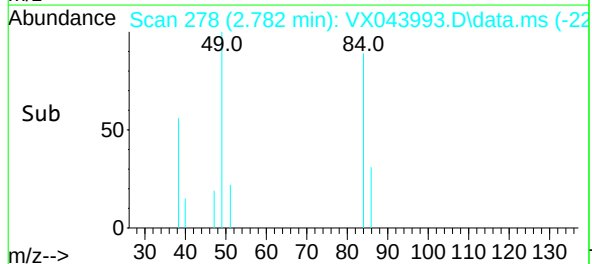
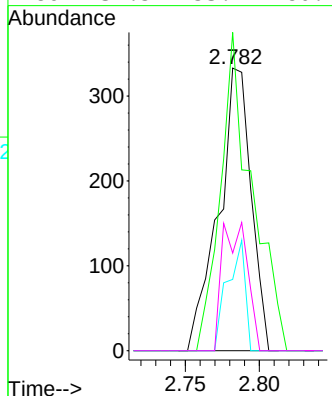
Ion Ratio Lower Upper

84 100

49 112.6 102.7 154.1

51 25.2 31.7 47.5#

86 34.5 53.9 80.9#



#21

trans-1,2-Dichloroethene

Concen: 0.801 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

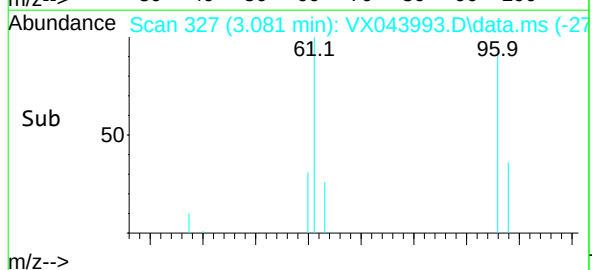
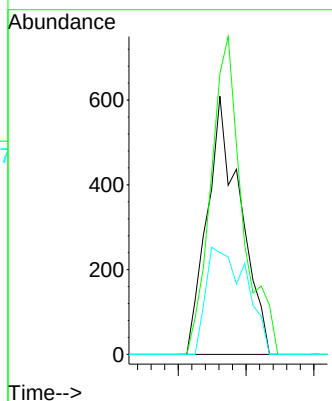
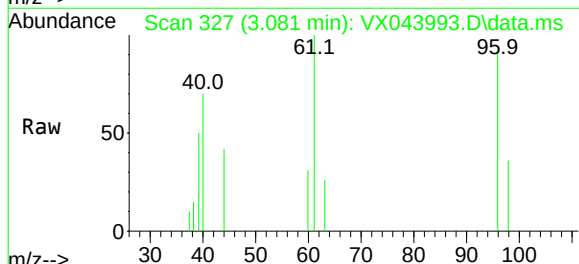
Tgt Ion: 96 Resp: 1036

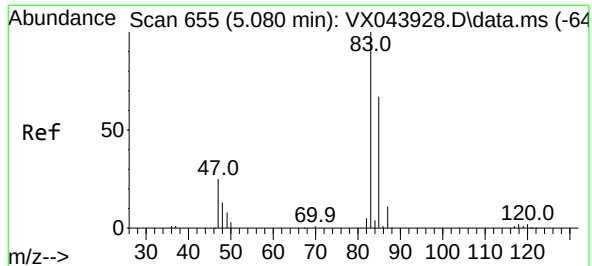
Ion Ratio Lower Upper

96 100

61 108.9 111.8 167.6#

98 39.4 52.7 79.1#





#30

Chloroform

Concen: 1.387 ug/l

RT: 5.093 min Scan# 65

Delta R.T. 0.012 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA\_X

ClientSampleId :

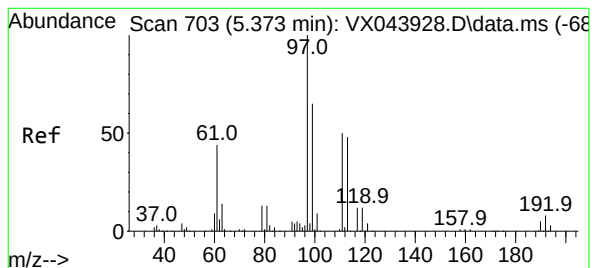
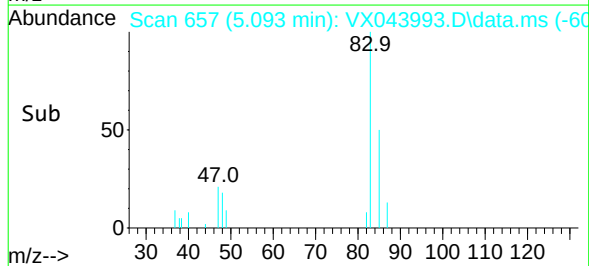
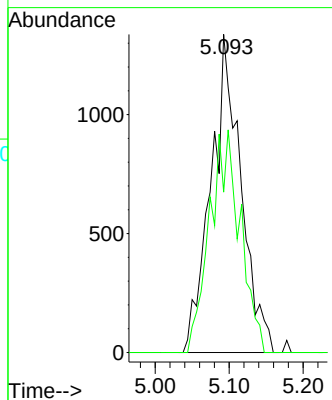
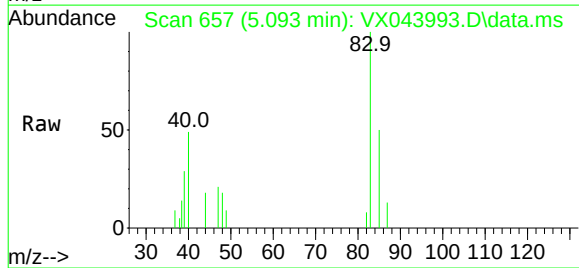
FSND-MW-28-20241114

Tgt Ion: 83 Resp: 3767

Ion Ratio Lower Upper

83 100

85 50.4 53.5 80.3#



#32

1,1,1-Trichloroethane

Concen: 3.459 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

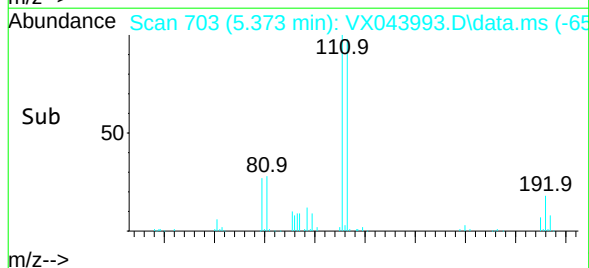
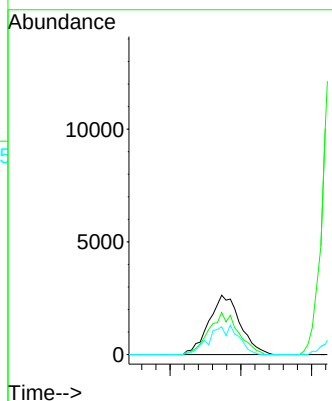
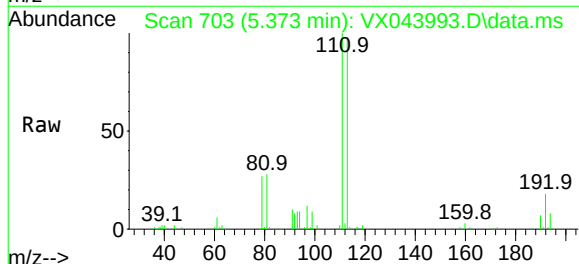
Tgt Ion: 97 Resp: 8101

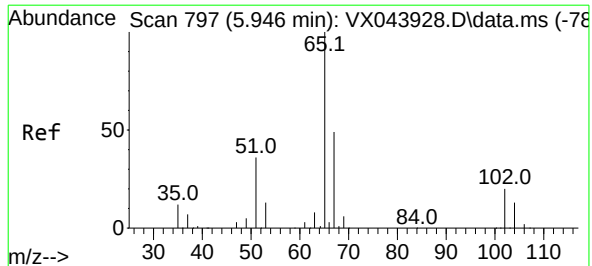
Ion Ratio Lower Upper

97 100

99 66.6 50.8 76.2

61 27.9 35.4 53.2#





#33

1,2-Dichloroethane-d4

Concen: 50.934 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA\_X

ClientSampleId :

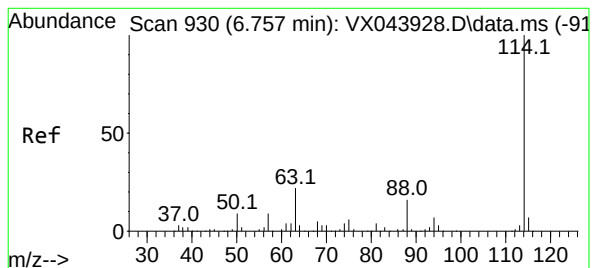
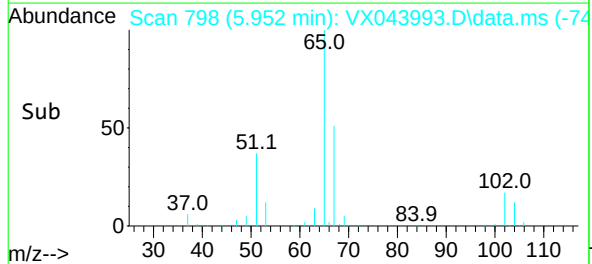
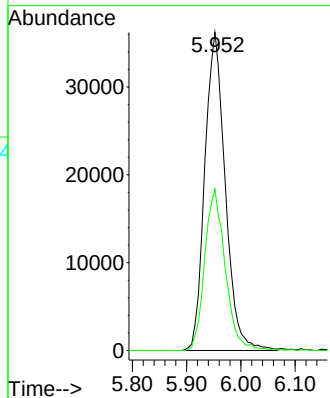
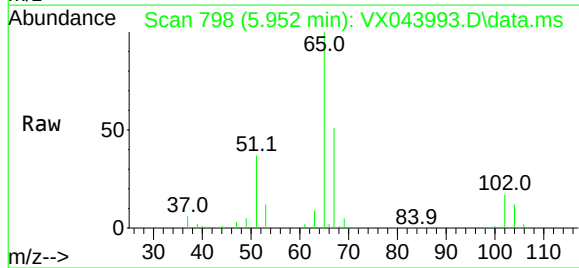
FSND-MW-28-20241114

Tgt Ion: 65 Resp: 94974

Ion Ratio Lower Upper

65 100

67 50.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

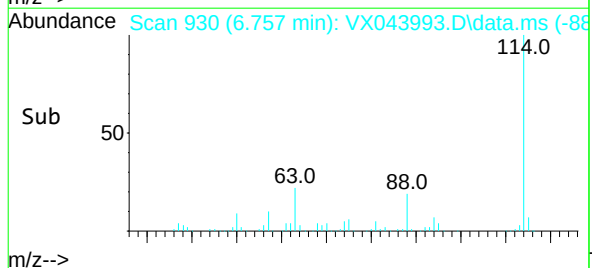
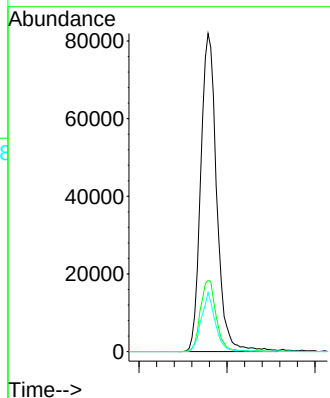
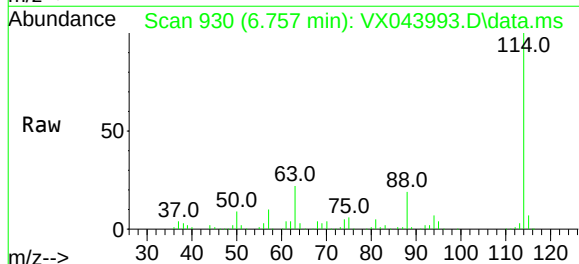
Tgt Ion: 114 Resp: 206635

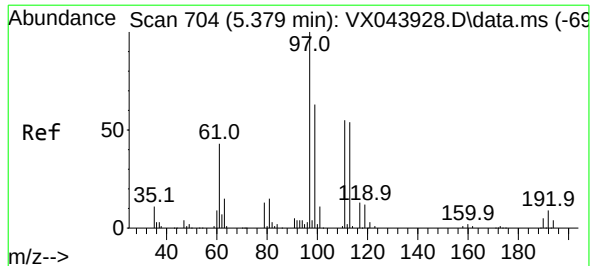
Ion Ratio Lower Upper

114 100

63 22.3 0.0 44.0

88 18.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 47.121 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043993.D

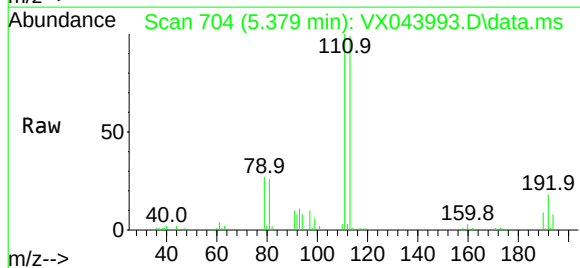
Acq: 25 Nov 2024 17:44

Instrument :

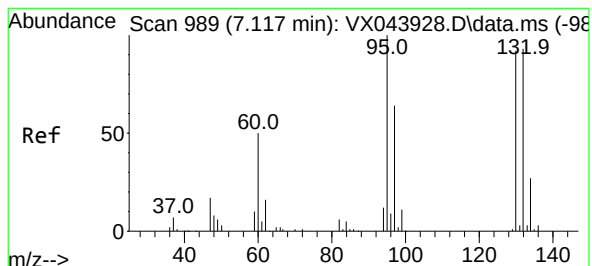
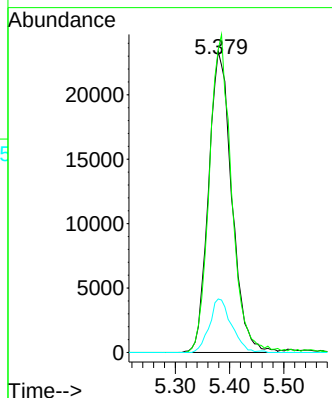
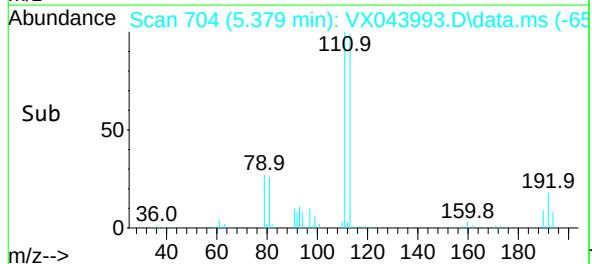
MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 69574 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.2 | 81.0  | 121.4 |
| 192      | 16.8  | 13.0  | 19.6  |



#44

Trichloroethene

Concen: 249.635 ug/l

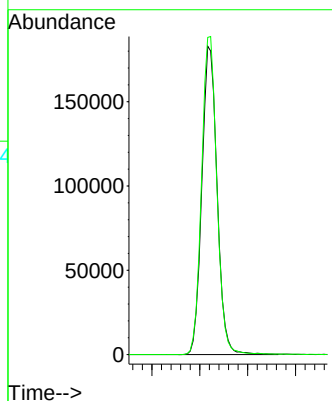
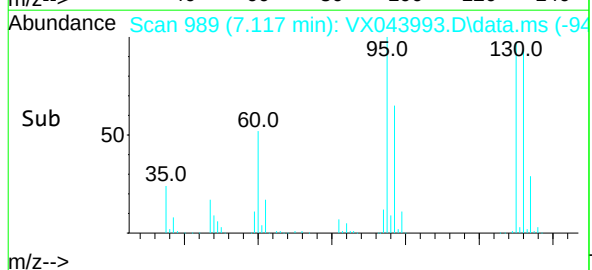
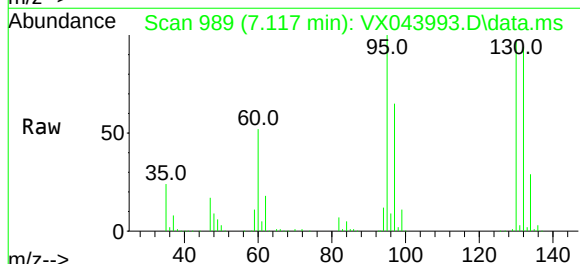
RT: 7.117 min Scan# 989

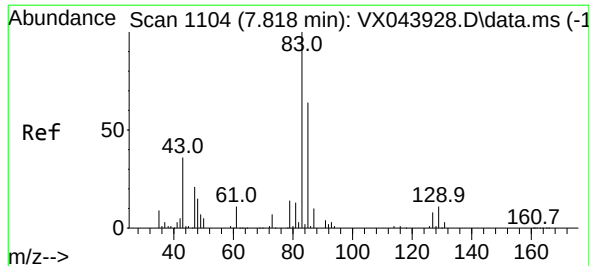
Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 130   | Resp: | 405015 |
| Ion      | Ratio | Lower | Upper  |
| 130      | 100   |       |        |
| 95       | 102.9 | 0.0   | 217.8  |





#47

Bromodichloromethane

Concen: 1.710 ug/l

RT: 7.824 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043993.D

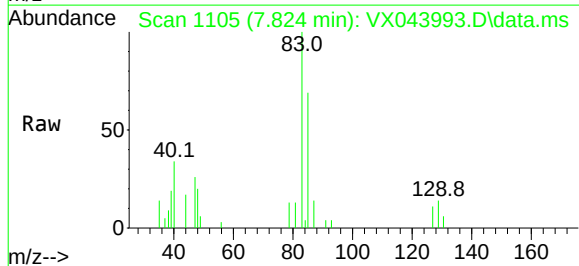
Acq: 25 Nov 2024 17:44

Instrument :

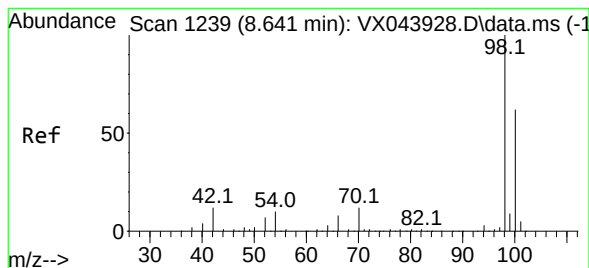
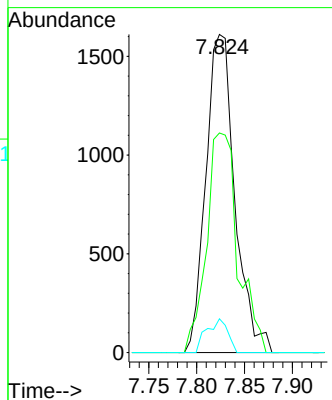
MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 3405  |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 69.0  | 51.4  | 77.0  |
| 127      | 10.6  | 6.6   | 10.0  |



#50

Toluene-d8

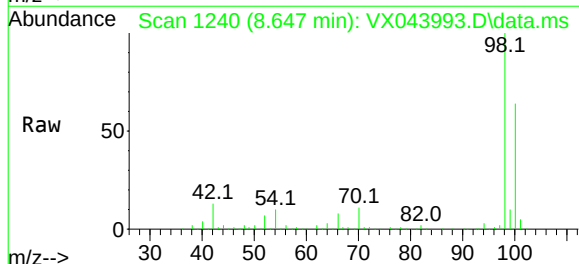
Concen: 50.908 ug/l

RT: 8.647 min Scan# 1240

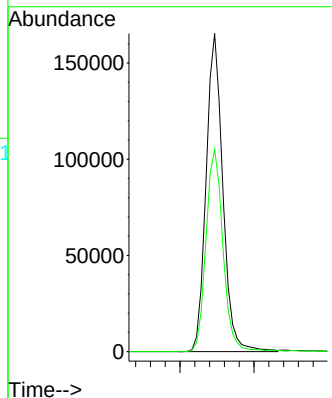
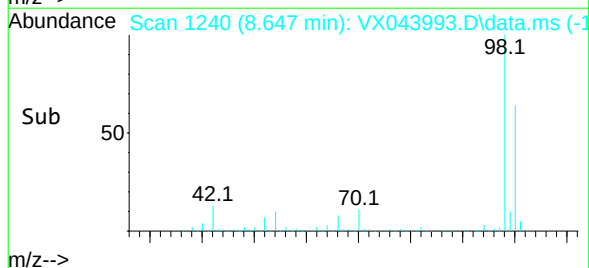
Delta R.T. 0.006 min

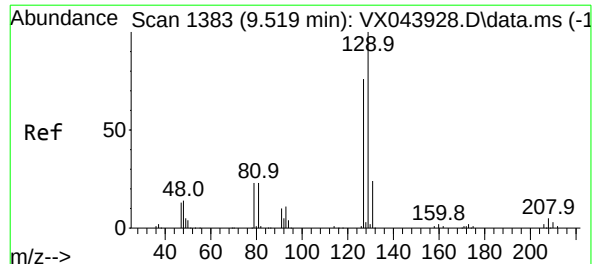
Lab File: VX043993.D

Acq: 25 Nov 2024 17:44



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 259104 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.8  | 52.6  | 79.0   |





#60

Dibromochloromethane

Concen: 1.682 ug/l

RT: 9.525 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Instrument :

MSVOA\_X

ClientSampleId :

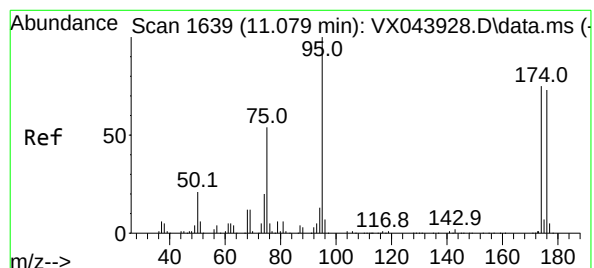
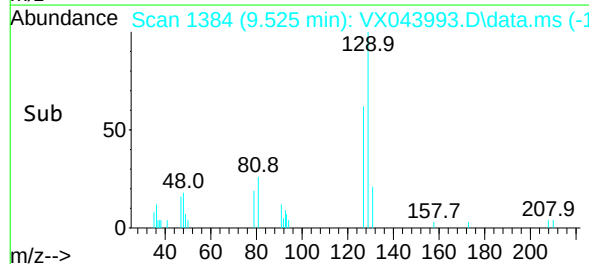
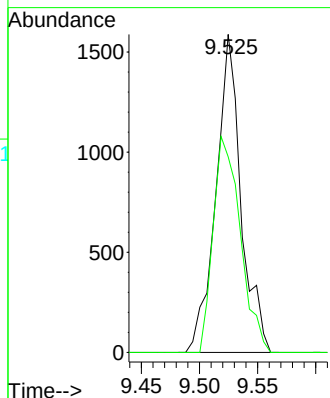
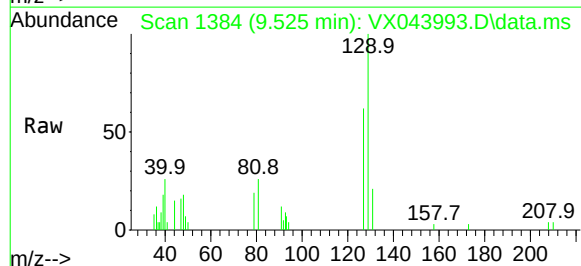
FSND-MW-28-20241114

Tgt Ion:129 Resp: 2389

Ion Ratio Lower Upper

129 100

127 73.4 38.2 114.6



#62

4-Bromofluorobenzene

Concen: 45.847 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

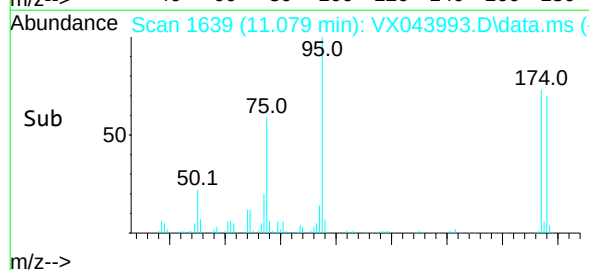
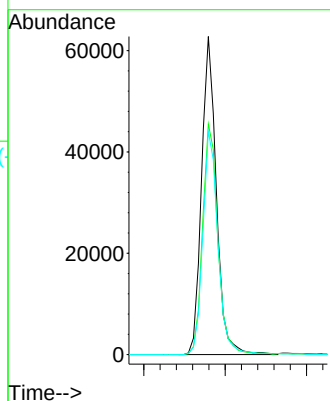
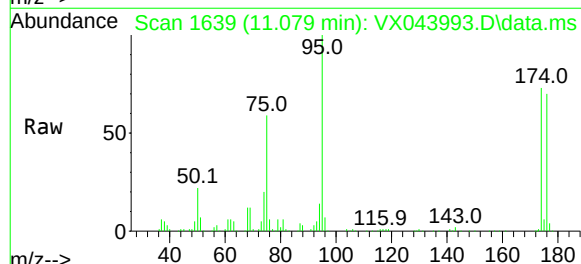
Tgt Ion: 95 Resp: 79414

Ion Ratio Lower Upper

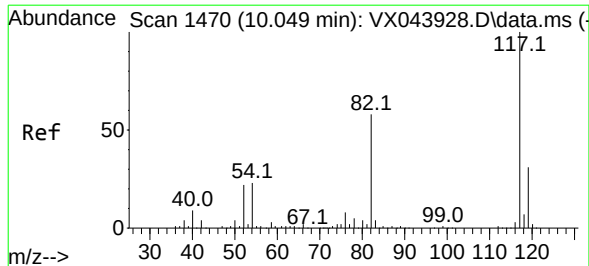
95 100

174 74.8 0.0 150.4

176 72.0 0.0 146.0







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043993.D

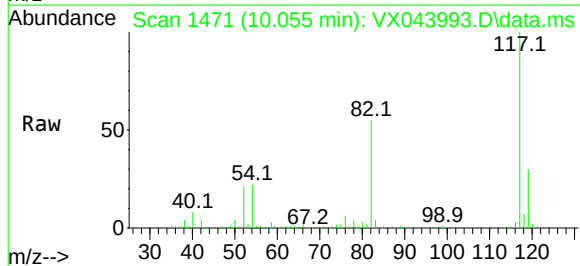
Acq: 25 Nov 2024 17:44

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114



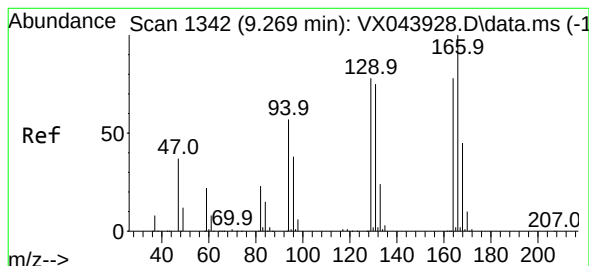
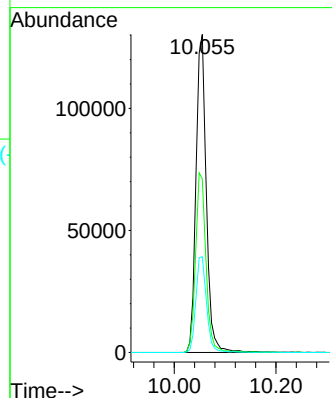
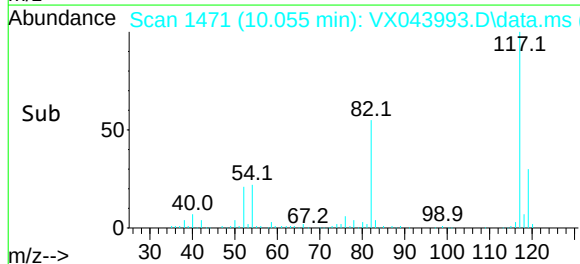
Tgt Ion:117 Resp: 183586

Ion Ratio Lower Upper

117 100

82 54.6 46.4 69.6

119 30.1 24.6 37.0



#64

Tetrachloroethene

Concen: 24.432 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043993.D

Acq: 25 Nov 2024 17:44

Tgt Ion:164 Resp: 29576

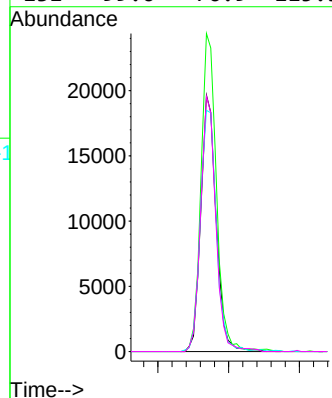
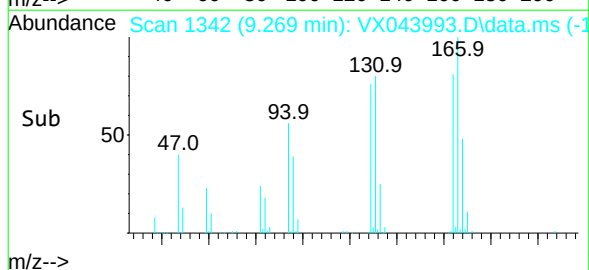
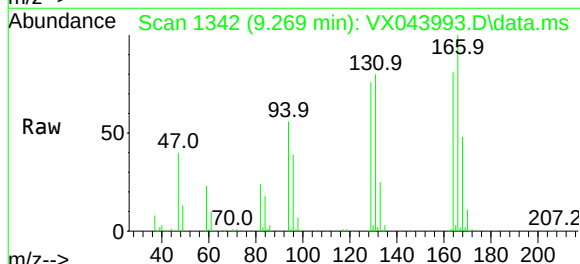
Ion Ratio Lower Upper

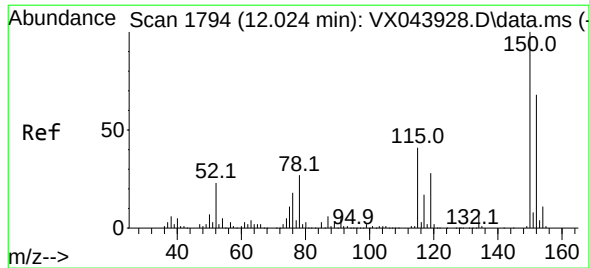
164 100

166 124.0 102.1 153.1

129 94.1 79.6 119.4

131 99.6 76.9 115.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 17

Delta R.T. -0.006 min

Lab File: VX043993.D

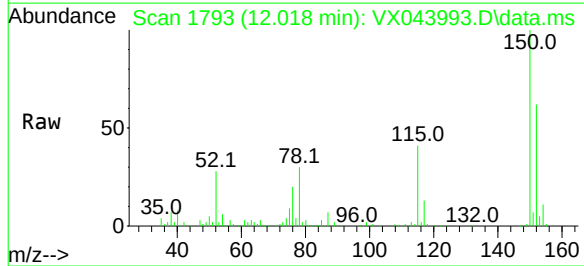
Acq: 25 Nov 2024 17:44

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114



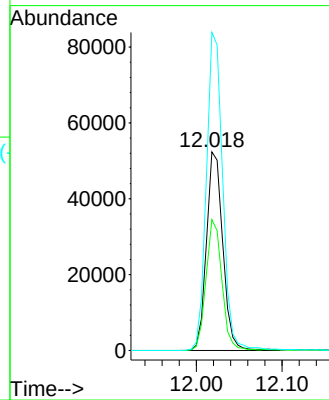
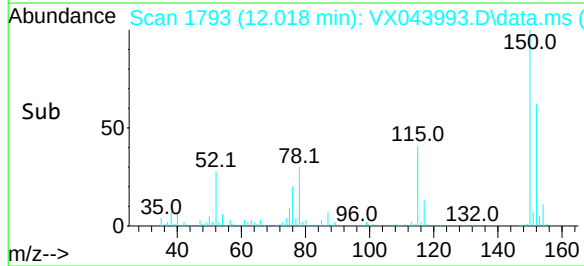
Tgt Ion:152 Resp: 69483

Ion Ratio Lower Upper

152 100

115 63.9 45.4 136.2

150 160.4 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043993.D  
 Acq On : 25 Nov 2024 17:44  
 Operator : JC/MD  
 Sample : P4873-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-28-20241114

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

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

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

Signal : TIC: VX043993.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         | 1.587       | 67            | 82          | 83           | rBV      | 15662          | 45252         | 1.85%           | 0.715%        |
| 2         | 5.379       | 693           | 704         | 717          | rBV2     | 89181          | 263589        | 10.79%          | 4.163%        |
| 3         | 5.544       | 721           | 731         | 746          | rBV2     | 122428         | 353722        | 14.48%          | 5.587%        |
| 4         | 5.952       | 788           | 798         | 814          | rBV2     | 97273          | 266517        | 10.91%          | 4.209%        |
| 5         | 6.757       | 920           | 930         | 954          | rBV      | 207032         | 514850        | 21.08%          | 8.131%        |
| 6         | 7.117       | 980           | 989         | 1006         | rBV      | 1141170        | 2442112       | 100.00%         | 38.570%       |
| 7         | 8.647       | 1234          | 1240        | 1256         | rBV      | 443027         | 713566        | 29.22%          | 11.270%       |
| 8         | 9.269       | 1336          | 1342        | 1352         | rBV      | 169632         | 256762        | 10.51%          | 4.055%        |
| 9         | 10.049      | 1465          | 1470        | 1484         | rBV      | 411100         | 594812        | 24.36%          | 9.394%        |
| 10        | 11.079      | 1633          | 1639        | 1653         | rBV      | 321971         | 411928        | 16.87%          | 6.506%        |
| 11        | 12.018      | 1788          | 1793        | 1806         | rBV      | 362958         | 468521        | 19.19%          | 7.400%        |

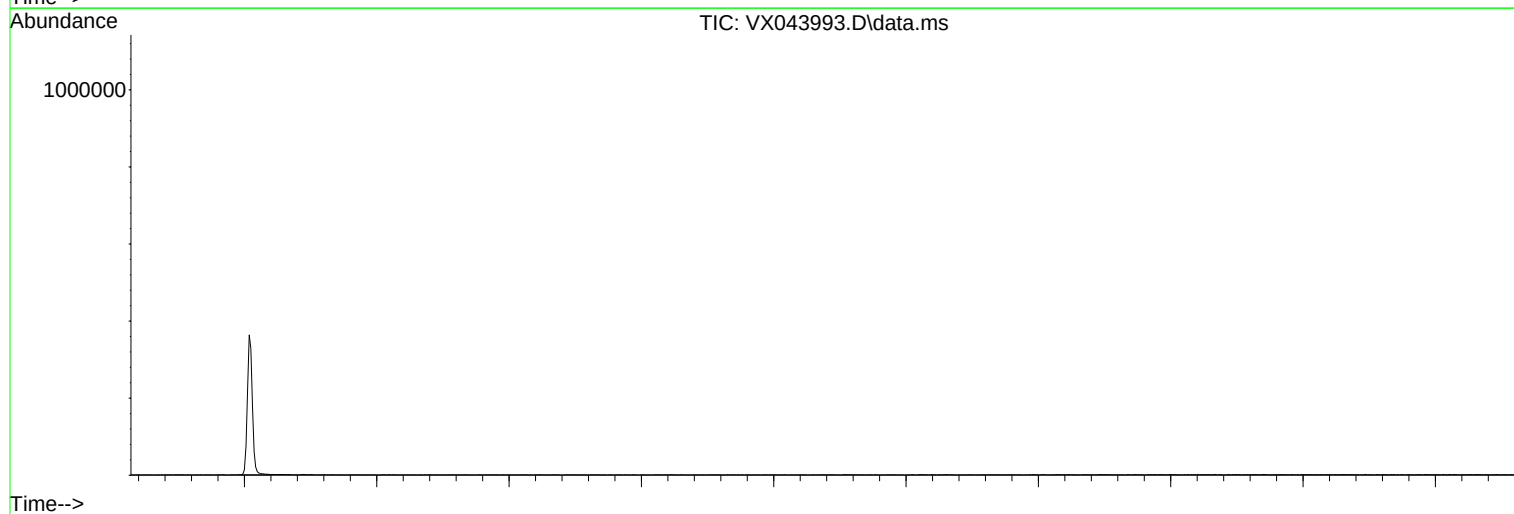
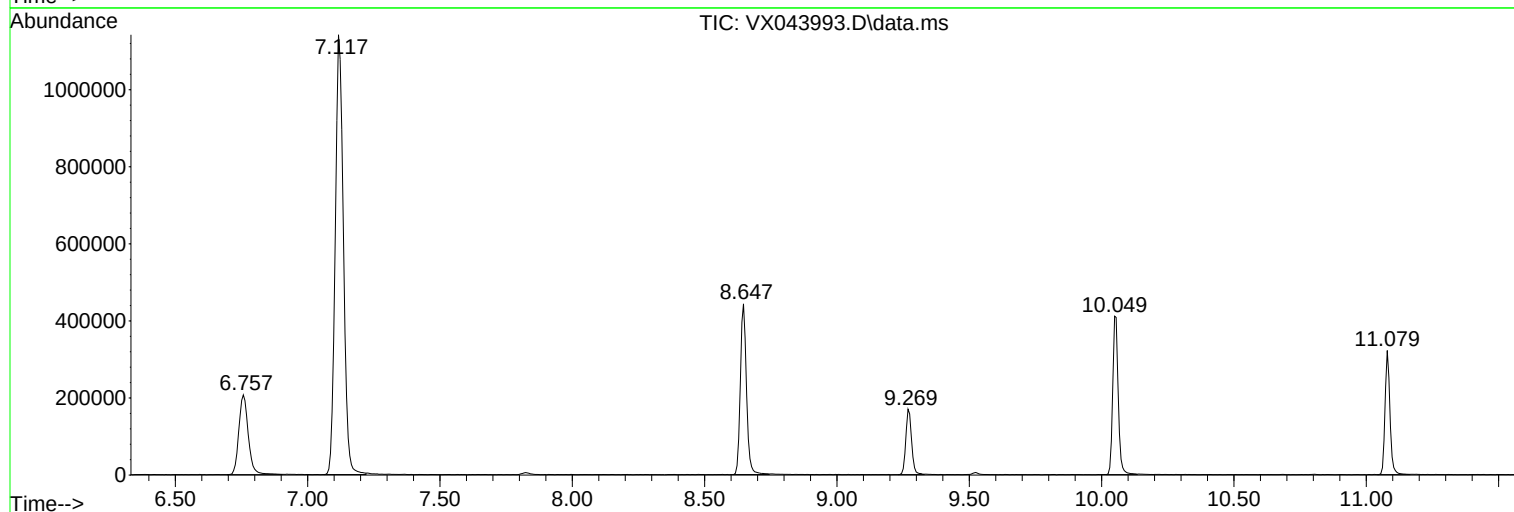
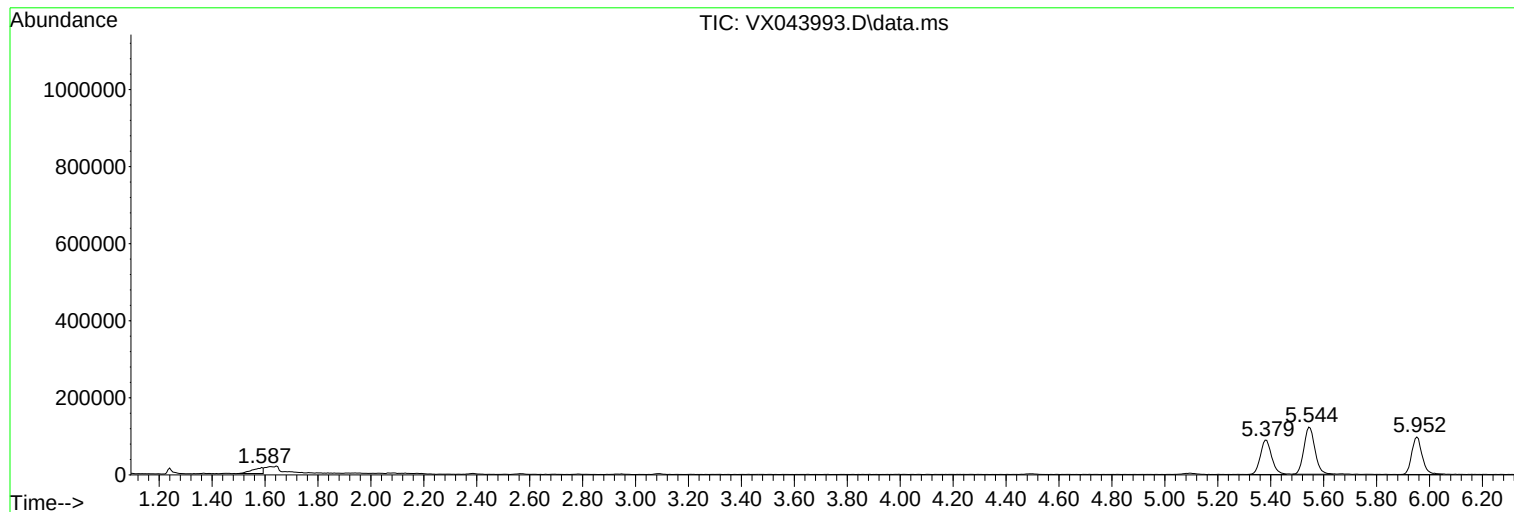
Sum of corrected areas: 6331631

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043993.D  
Acq On : 25 Nov 2024 17:44  
Operator : JC/MD  
Sample : P4873-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-28-20241114

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043993.D  
Acq On : 25 Nov 2024 17:44  
Operator : JC/MD  
Sample : P4873-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-28-20241114

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

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043993.D  
Acq On : 25 Nov 2024 17:44  
Operator : JC/MD  
Sample : P4873-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-28-20241114

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

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

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

## Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-28-20241114DL               |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-08DL                          |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044013.D        | 10        |           | 11/26/24 13:41 | VX112624      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 5.00  | UD        | 2.10 | 5.00 | 10.0       | ug/L  |
| 74-87-3        | Chloromethane                  | 5.00  | UD        | 3.50 | 5.00 | 10.0       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 7.50  | UD        | 3.40 | 7.50 | 10.0       | ug/L  |
| 74-83-9        | Bromomethane                   | 37.5  | UD        | 13.6 | 37.5 | 50.0       | ug/L  |
| 75-00-3        | Chloroethane                   | 7.50  | UD        | 5.60 | 7.50 | 10.0       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 5.00  | UD        | 3.40 | 5.00 | 10.0       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 5.00  | UD        | 2.50 | 5.00 | 10.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 7.50  | UD        | 2.60 | 7.50 | 10.0       | ug/L  |
| 67-64-1        | Acetone                        | 37.5  | UD        | 13.9 | 37.5 | 50.0       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 7.50  | UD        | 3.20 | 7.50 | 10.0       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 5.00  | UD        | 1.60 | 5.00 | 10.0       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 7.50  | UD        | 6.00 | 7.50 | 10.0       | ug/L  |
| 75-09-2        | Methylene Chloride             | 5.00  | UD        | 3.20 | 5.00 | 10.0       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 5.00  | UD        | 2.50 | 5.00 | 10.0       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 5.00  | UD        | 2.30 | 5.00 | 10.0       | ug/L  |
| 110-82-7       | Cyclohexane                    | 25.0  | UD        | 16.2 | 25.0 | 50.0       | ug/L  |
| 78-93-3        | 2-Butanone                     | 25.0  | UD        | 13.0 | 25.0 | 50.0       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 5.00  | UD        | 2.50 | 5.00 | 10.0       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 7.50  | UD        | 2.50 | 7.50 | 10.0       | ug/L  |
| 74-97-5        | Bromochloromethane             | 5.00  | UD        | 1.80 | 5.00 | 10.0       | ug/L  |
| 67-66-3        | Chloroform                     | 5.00  | UD        | 2.60 | 5.00 | 10.0       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 5.00  | UD        | 1.90 | 5.00 | 10.0       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 5.00  | UD        | 1.90 | 5.00 | 10.0       | ug/L  |
| 71-43-2        | Benzene                        | 5.00  | UD        | 1.60 | 5.00 | 10.0       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 5.00  | UD        | 2.40 | 5.00 | 10.0       | ug/L  |
| 79-01-6        | Trichloroethene                | 230   | D         | 3.20 | 7.50 | 10.0       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 5.00  | UD        | 1.90 | 5.00 | 10.0       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 5.00  | UD        | 2.40 | 5.00 | 10.0       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 25.0  | UD        | 7.50 | 25.0 | 50.0       | ug/L  |
| 108-88-3       | Toluene                        | 5.00  | UD        | 1.80 | 5.00 | 10.0       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-MW-28-20241114DL               |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-08DL                          |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044013.D        | 10        |           | 11/26/24 13:41 | VX112624      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 5.00   | UD        | 2.10     | 5.00 | 10.0       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 5.00   | UD        | 1.80     | 5.00 | 10.0       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 5.00   | UD        | 2.10     | 5.00 | 10.0       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 25.0   | UD        | 11.3     | 25.0 | 50.0       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 5.00   | UD        | 1.80     | 5.00 | 10.0       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 5.00   | UD        | 1.60     | 5.00 | 10.0       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 20.7   | D         | 2.50     | 5.00 | 10.0       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 5.00   | UD        | 1.30     | 5.00 | 10.0       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 5.00   | UD        | 1.60     | 5.00 | 10.0       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 10.0   | UD        | 3.10     | 10.0 | 20.0       | ug/L    |
| 95-47-6                   | o-Xylene                    | 5.00   | UD        | 1.40     | 5.00 | 10.0       | ug/L    |
| 100-42-5                  | Styrene                     | 5.00   | UD        | 1.60     | 5.00 | 10.0       | ug/L    |
| 75-25-2                   | Bromoform                   | 5.00   | UD        | 2.10     | 5.00 | 10.0       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 5.00   | UD        | 1.30     | 5.00 | 10.0       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 5.00   | UD        | 2.70     | 5.00 | 10.0       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 5.00   | UD        | 2.40     | 5.00 | 10.0       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 5.00   | UD        | 2.70     | 5.00 | 10.0       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 5.00   | UD        | 1.90     | 5.00 | 10.0       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 7.50   | UD        | 4.60     | 7.50 | 10.0       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 5.00   | UD        | 4.20     | 5.00 | 10.0       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 7.50   | UD        | 5.10     | 7.50 | 10.0       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.7   |           | 81 - 118 |      | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 46.5   |           | 80 - 119 |      | 93%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.1   |           | 89 - 112 |      | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 49.1   |           | 85 - 114 |      | 98%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 113000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 215000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 191000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 81000  | 12.018    |          |      |            |         |



## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | EA Engineering Science & Technology        | Date Collected: | 11/14/24                     |
| Project:           | Scotia, NY - Annual Testing                | Date Received:  | 11/15/24                     |
| Client Sample ID:  | FSND-MW-28-20241114DL                      | SDG No.:        | P4873                        |
| Lab Sample ID:     | P4873-08DL                                 | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044013.D        | 10        |           | 11/26/24 13:41 | VX112624      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044013.D  
 Acq On : 26 Nov 2024 13:41  
 Operator : JC/MD  
 Sample : P4873-08DL 10X  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-28-20241114DL

Quant Time: Nov 27 00:52:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

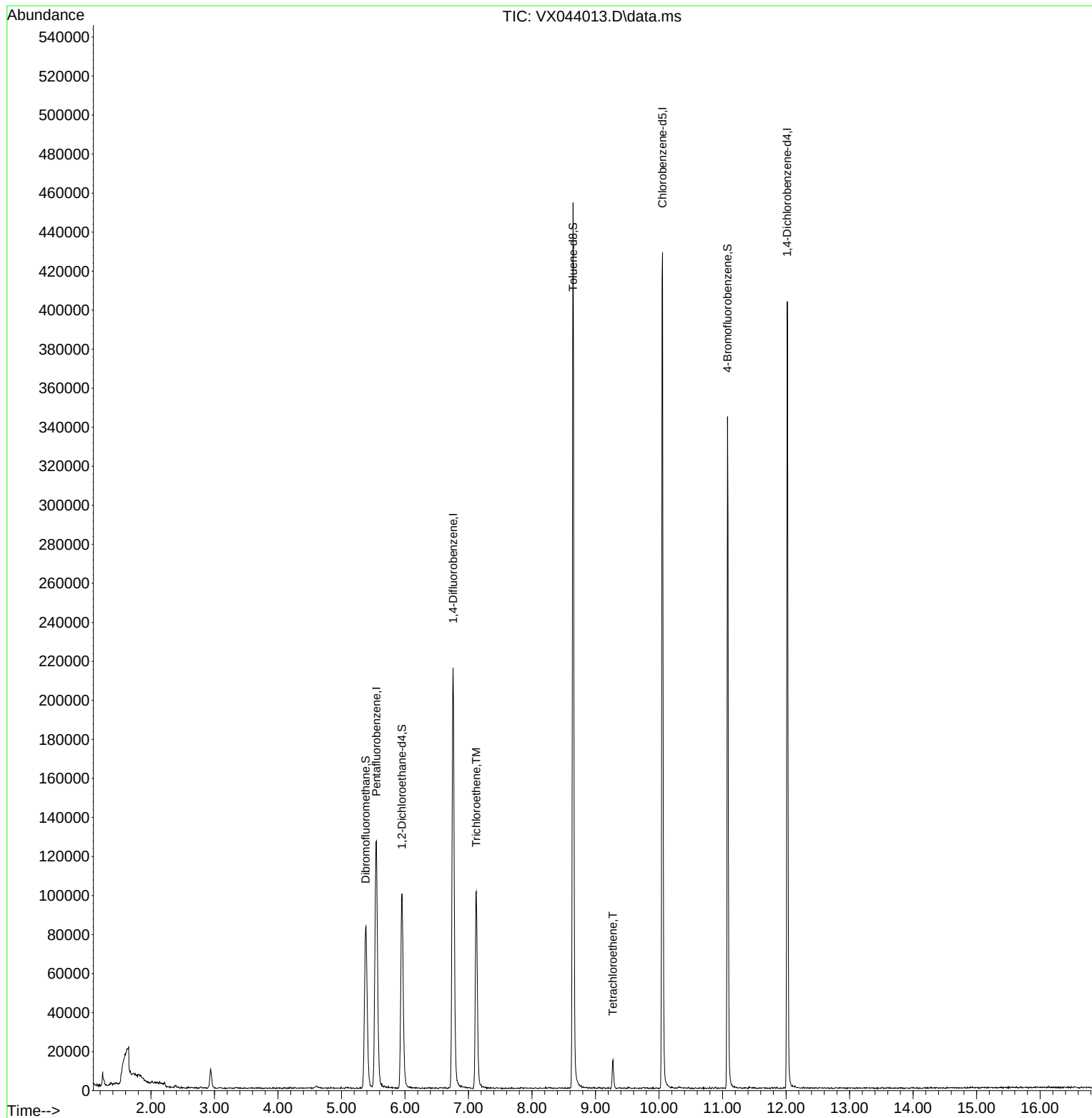
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-----------------------------|--------|-------|----------|----------|--------|-----------|
| -----                       |        |       |          |          |        |           |
| Internal Standards          |        |       |          |          |        |           |
| 1) Pentafluorobenzene       | 5.550  | 168   | 112571   | 50.000   | ug/l   | 0.01      |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 214625   | 50.000   | ug/l   | 0.00      |
| 63) Chlorobenzene-d5        | 10.055 | 117   | 191208   | 50.000   | ug/l   | 0.00      |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 81021    | 50.000   | ug/l   | 0.00      |
|                             |        |       |          |          |        |           |
| System Monitoring Compounds |        |       |          |          |        |           |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 97931    | 50.721   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =      | 101.440%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 71314    | 46.501   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =      | 93.000%   |
| 50) Toluene-d8              | 8.647  | 98    | 265038   | 50.135   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =      | 100.280%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 88318    | 49.089   | ug/l   | 0.00      |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =      | 98.180%   |
|                             |        |       |          |          |        |           |
| Target Compounds            |        |       |          |          |        |           |
| 44) Trichloroethene         | 7.123  | 130   | 38119    | 22.620   | ug/l   | Qvalue 84 |
| 64) Tetrachloroethene       | 9.275  | 164   | 2608     | 2.069    | ug/l # | 90        |
| -----                       |        |       |          |          |        |           |

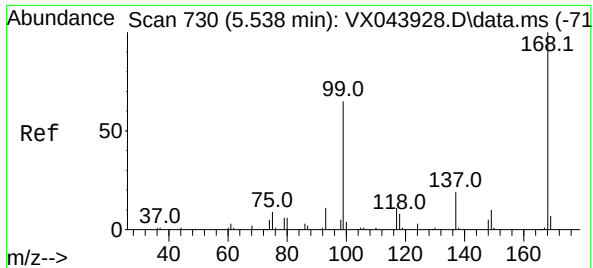
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044013.D  
Acq On : 26 Nov 2024 13:41  
Operator : JC/MD  
Sample : P4873-08DL 10X  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-28-20241114DL

Quant Time: Nov 27 00:52:10 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

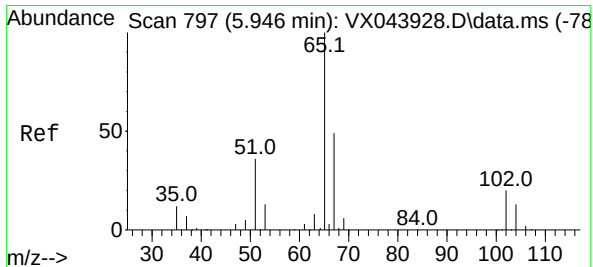
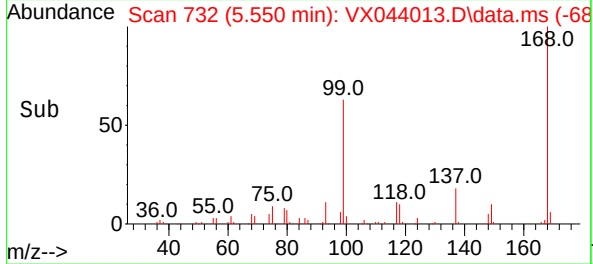
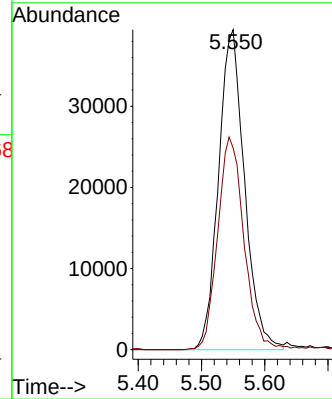
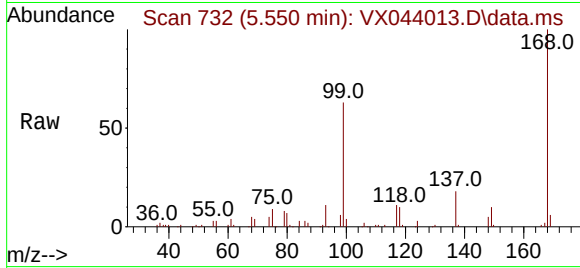




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.012 min  
Lab File: VX044013.D  
Acq: 26 Nov 2024 13:41

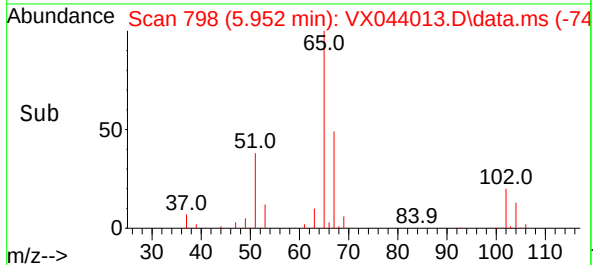
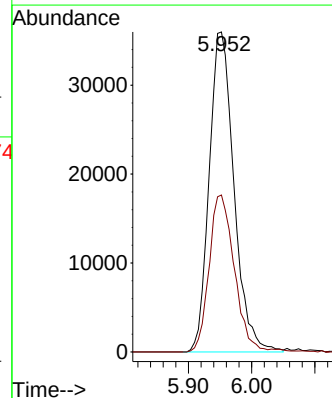
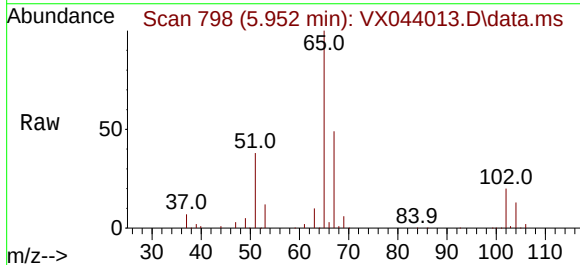
Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-28-20241114DL

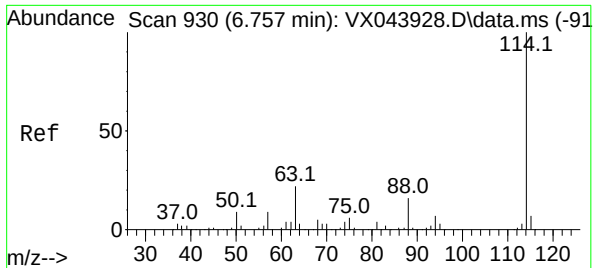
Tgt Ion:168 Resp: 112571  
Ion Ratio Lower Upper  
168 100  
99 63.1 51.8 77.8



#33  
1,2-Dichloroethane-d4  
Concen: 50.721 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX044013.D  
Acq: 26 Nov 2024 13:41

Tgt Ion: 65 Resp: 97931  
Ion Ratio Lower Upper  
65 100  
67 49.6 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX044013.D

Acq: 26 Nov 2024 13:41

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114DL

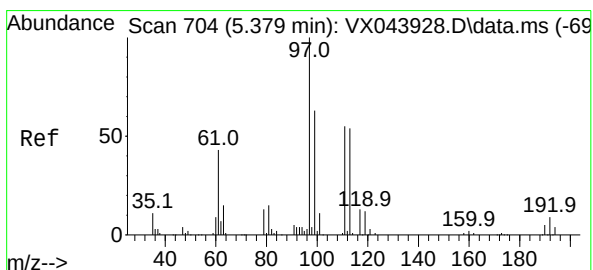
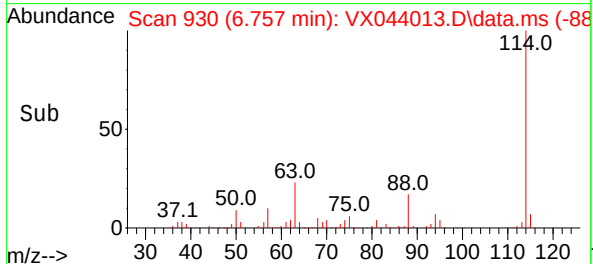
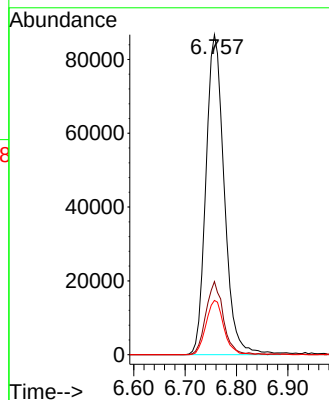
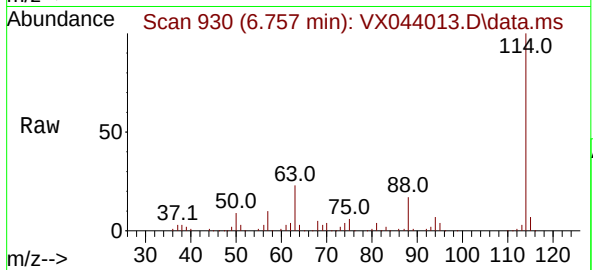
Tgt Ion:114 Resp: 214625

Ion Ratio Lower Upper

114 100

63 22.8 0.0 44.0

88 16.9 0.0 32.4



#35

Dibromofluoromethane

Concen: 46.501 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044013.D

Acq: 26 Nov 2024 13:41

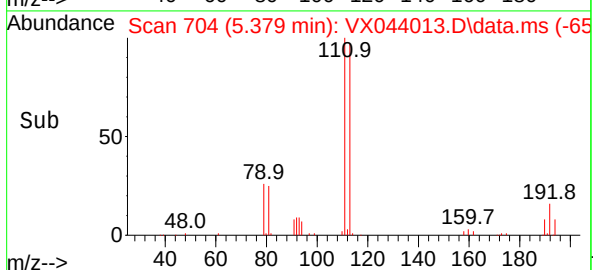
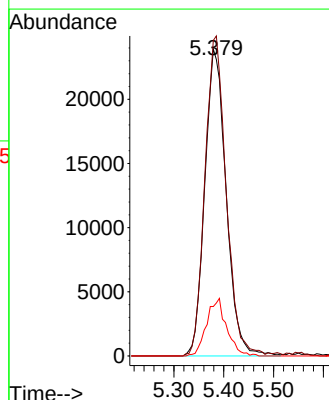
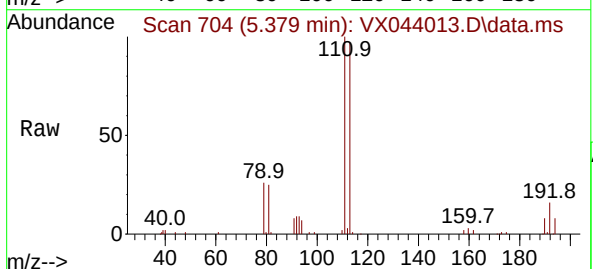
Tgt Ion:113 Resp: 71314

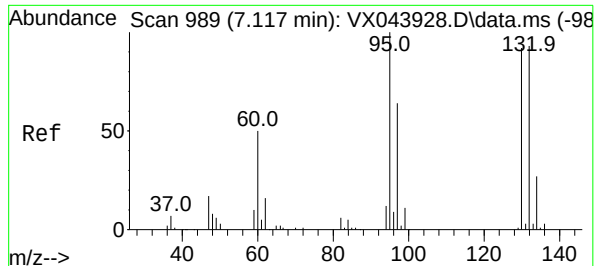
Ion Ratio Lower Upper

113 100

111 103.3 81.0 121.4

192 17.6 13.0 19.6





#44

Trichloroethene

Concen: 22.620 ug/l

RT: 7.123 min Scan# 94

Delta R.T. 0.006 min

Lab File: VX044013.D

Acq: 26 Nov 2024 13:41

Instrument :

MSVOA\_X

ClientSampleId :

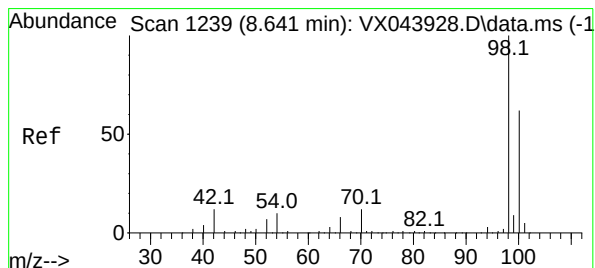
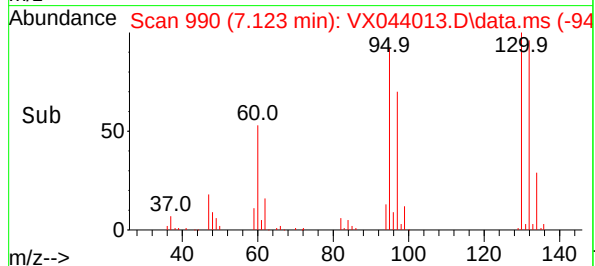
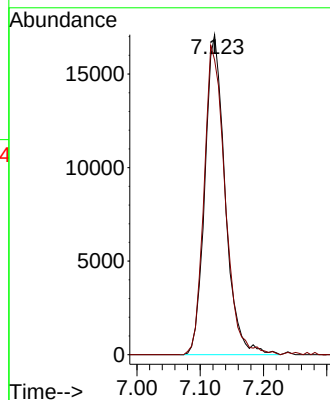
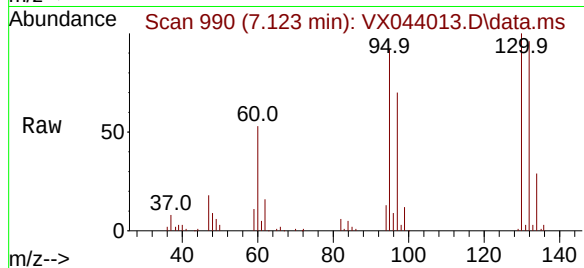
FSND-MW-28-20241114DL

Tgt Ion:130 Resp: 38119

Ion Ratio Lower Upper

130 100

95 92.1 0.0 217.8



#50

Toluene-d8

Concen: 50.135 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044013.D

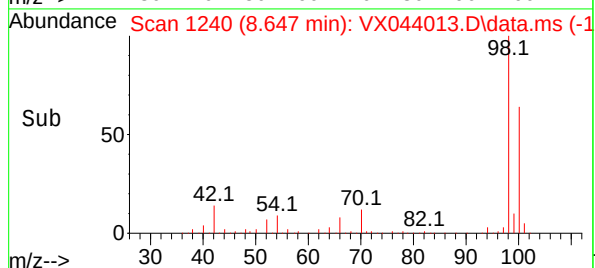
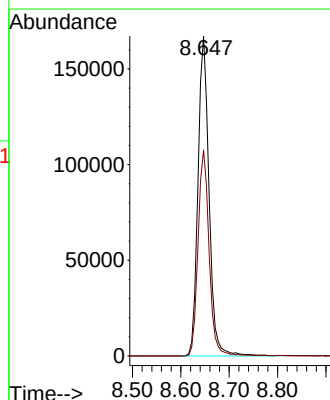
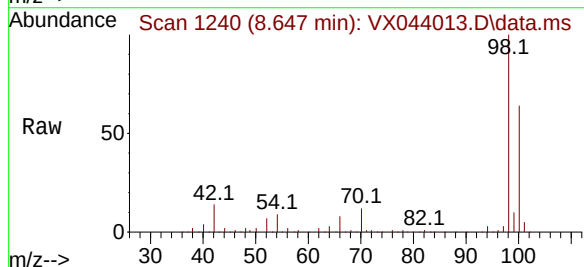
Acq: 26 Nov 2024 13:41

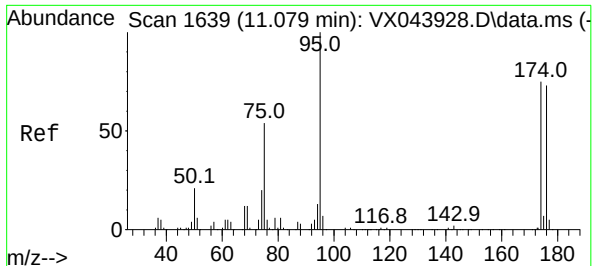
Tgt Ion: 98 Resp: 265038

Ion Ratio Lower Upper

98 100

100 64.1 52.6 79.0





#62

4-Bromofluorobenzene

Concen: 49.089 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044013.D

Acq: 26 Nov 2024 13:41

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114DL

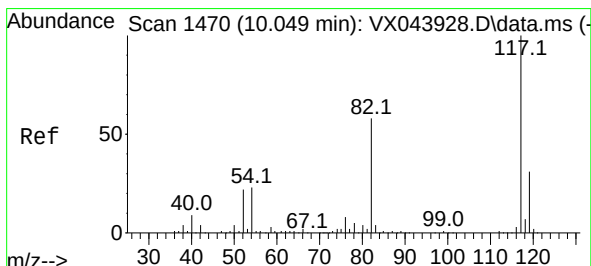
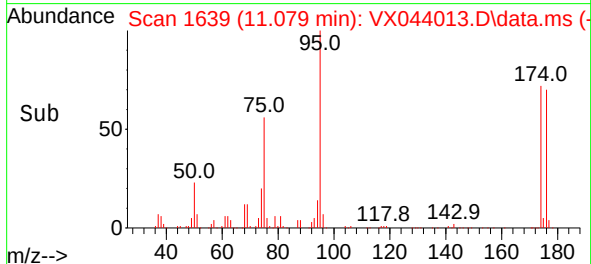
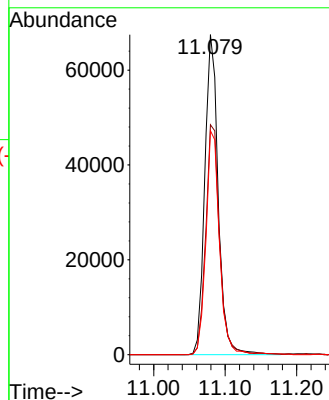
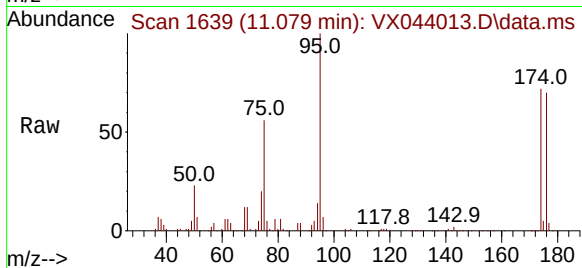
Tgt Ion: 95 Resp: 88318

Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 71.0 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044013.D

Acq: 26 Nov 2024 13:41

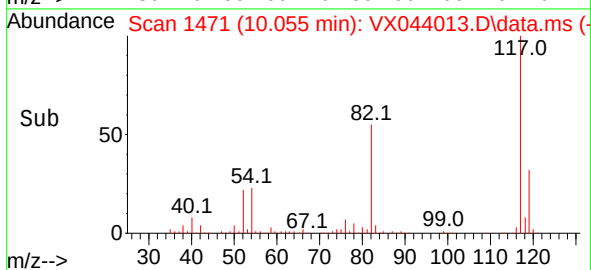
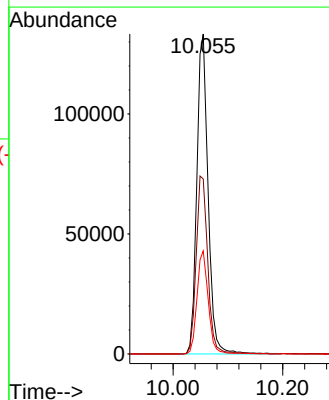
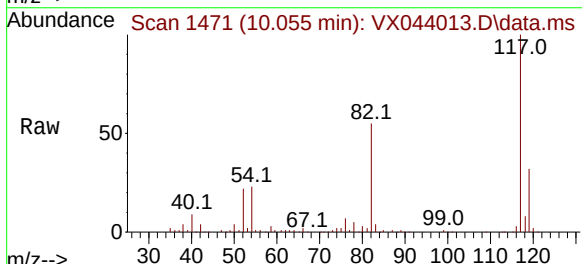
Tgt Ion: 117 Resp: 191208

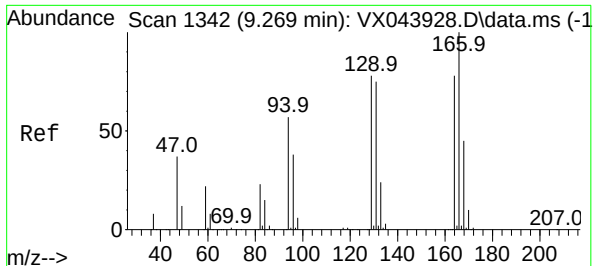
Ion Ratio Lower Upper

117 100

82 54.7 46.4 69.6

119 32.2 24.6 37.0





#64

Tetrachloroethene

Concen: 2.069 ug/l

RT: 9.275 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044013.D

Acq: 26 Nov 2024 13:41

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-28-20241114DL

Tgt Ion:164 Resp: 2608

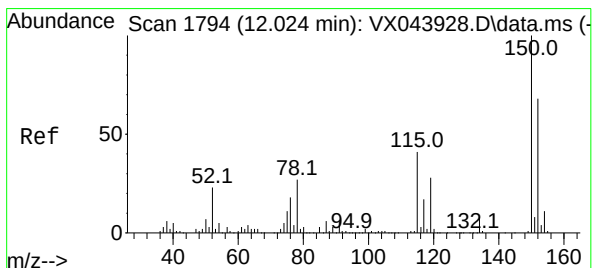
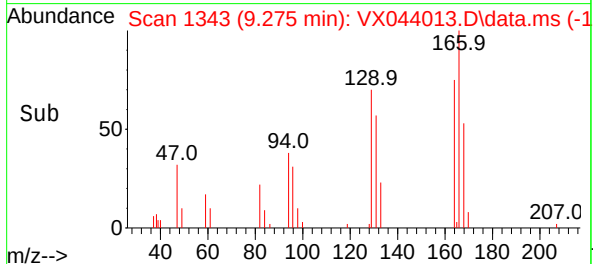
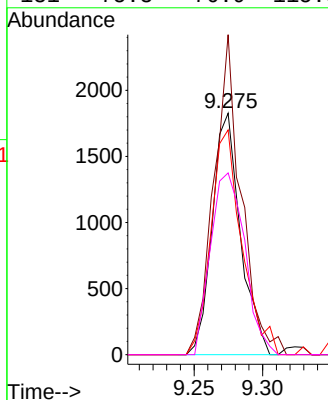
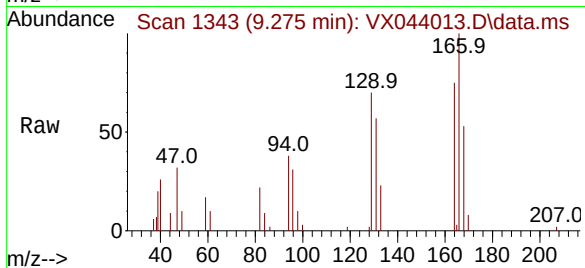
Ion Ratio Lower Upper

164 100

166 132.5 102.1 153.1

129 93.1 79.6 119.4

131 75.3 76.9 115.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044013.D

Acq: 26 Nov 2024 13:41

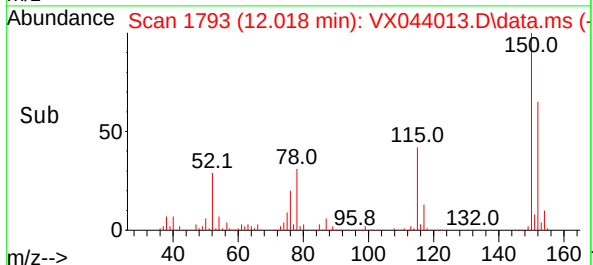
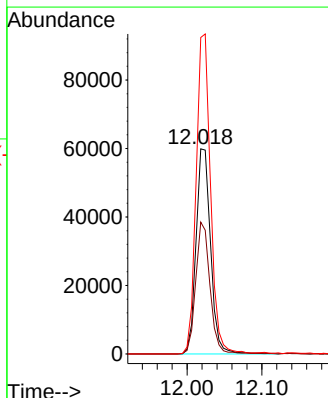
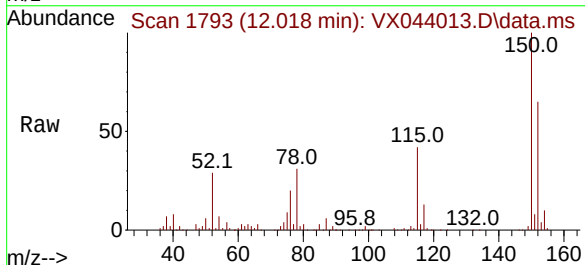
Tgt Ion:152 Resp: 81021

Ion Ratio Lower Upper

152 100

115 63.0 45.4 136.2

150 153.7 0.0 353.0





## Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-MW-29-20241114                 |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-09                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043994.D        | 1         |           | 11/25/24 18:08 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 13.7  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.41  | J         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.39  | J         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3.30  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.77  | J         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 3.00  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 140   |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.77  | J         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |    |  |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |  |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |  |
| Client Sample ID:  | FSND-MW-29-20241114                 |        |      | SDG No.:        | P4873         |    |  |
| Lab Sample ID:     | P4873-09                            |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                                     |        |      |                 |               |    |  |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043994.D        | 1         |           | 11/25/24 18:08 | VX112524      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 2.50   | U         | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.73   | J         | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 11.0   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.75   | U         | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.50   | U         | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.75   | U         | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.3   |           | 81 - 118 |      | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 47.6   |           | 80 - 119 |      | 95%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 49.4   |           | 89 - 112 |      | 99%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 48.7   |           | 85 - 114 |      | 97%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 113000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 216000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 189000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 83300  | 12.024    |          |      |            |         |

## Report of Analysis

|                    |                                     |        |      |                 |               |    |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|----|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: | 11/14/24      |    |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  | 11/15/24      |    |
| Client Sample ID:  | FSND-MW-29-20241114                 |        |      | SDG No.:        | P4873         |    |
| Lab Sample ID:     | P4873-09                            |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                                     |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043994.D        | 1         |           | 11/25/24 18:08 | VX112524      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043994.D  
 Acq On : 25 Nov 2024 18:08  
 Operator : JC/MD  
 Sample : P4873-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FSND-MW-29-20241114

Quant Time: Nov 26 00:52:06 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

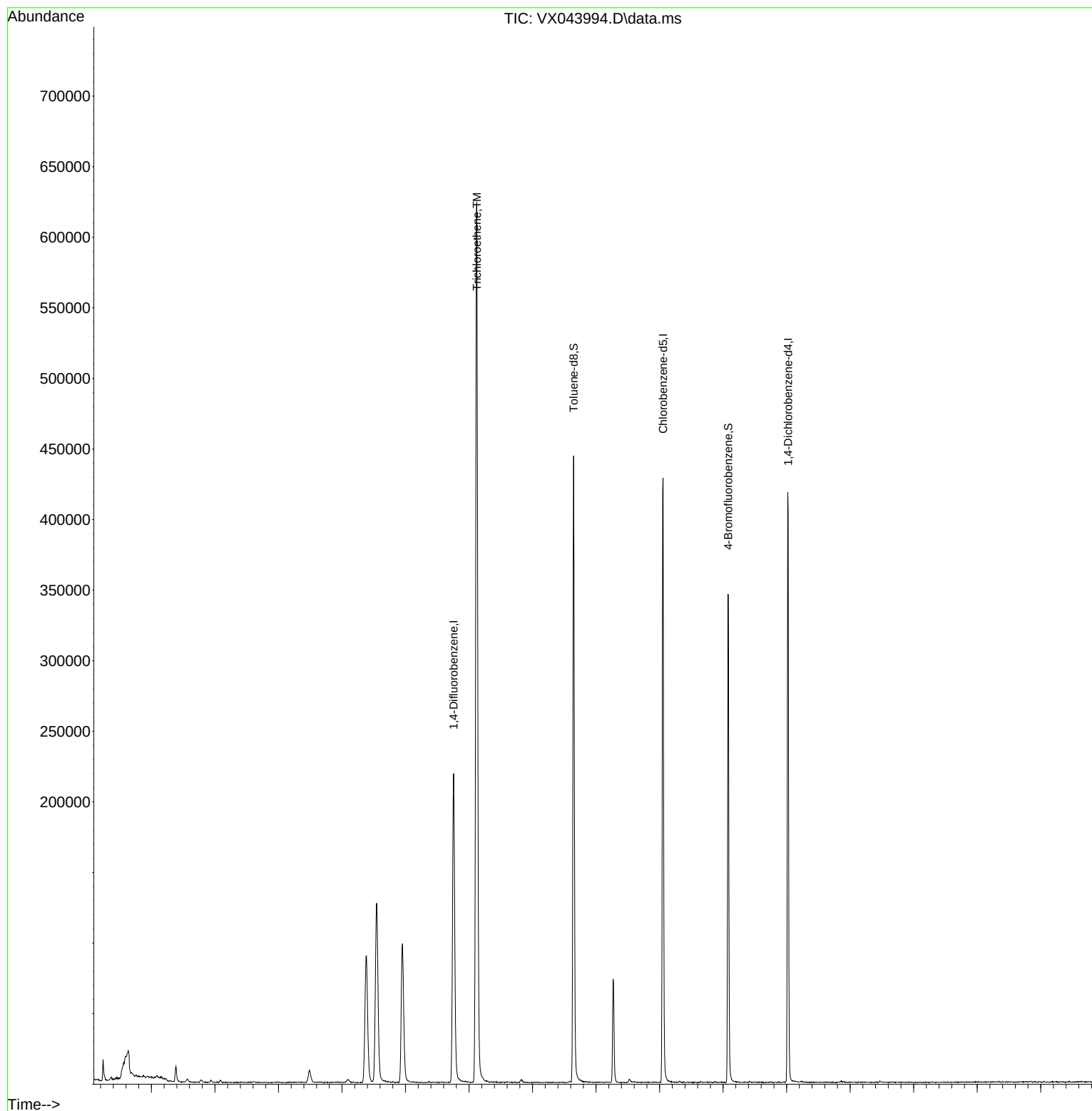
| Compound                     | R.T.   | QIon           | Response | Conc    | Units    | Dev(Min) |
|------------------------------|--------|----------------|----------|---------|----------|----------|
| -----                        |        |                |          |         |          |          |
| Internal Standards           |        |                |          |         |          |          |
| 1) Pentafluorobenzene        | 5.550  | 168            | 112896   | 50.000  | ug/l     | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114            | 215968   | 50.000  | ug/l     | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117            | 189479   | 50.000  | ug/l     | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152            | 83328    | 50.000  | ug/l     | 0.00     |
|                              |        |                |          |         |          |          |
| System Monitoring Compounds  |        |                |          |         |          |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65             | 97434    | 50.318  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 74 - 125 | Recovery | =       | 100.640% |          |
| 35) Dibromofluoromethane     | 5.385  | 113            | 73436    | 47.587  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 75 - 124 | Recovery | =       | 95.180%  |          |
| 50) Toluene-d8               | 8.647  | 98             | 262792   | 49.401  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 86 - 113 | Recovery | =       | 98.800%  |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95             | 88246    | 48.744  | ug/l     | 0.00     |
| Spiked Amount                | 50.000 | Range 77 - 121 | Recovery | =       | 97.480%  |          |
|                              |        |                |          |         |          |          |
| Target Compounds             |        |                |          |         |          |          |
| 16) Acetone                  | 2.386  | 43             | 12205    | 13.723  | ug/l     | 97       |
| 20) Methylene Chloride       | 2.782  | 84             | 624      | 0.413   | ug/l #   | 80       |
| 21) trans-1,2-Dichloroethene | 3.081  | 96             | 518      | 0.386   | ug/l     | 90       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96             | 5547     | 3.341   | ug/l     | 91       |
| 30) Chloroform               | 5.099  | 83             | 2172     | 0.770   | ug/l     | 92       |
| 32) 1,1,1-Trichloroethane    | 5.385  | 97             | 7204     | 2.962   | ug/l     | 99       |
| 44) Trichloroethene          | 7.123  | 130            | 233374   | 137.626 | ug/l     | 92       |
| 47) Bromodichloromethane     | 7.824  | 83             | 1603     | 0.770   | ug/l #   | 85       |
| 60) Dibromochloromethane     | 9.525  | 129            | 1084     | 0.730   | ug/l     | 89       |
| 64) Tetrachloroethene        | 9.275  | 164            | 13688    | 10.956  | ug/l     | 96       |
| -----                        |        |                |          |         |          |          |

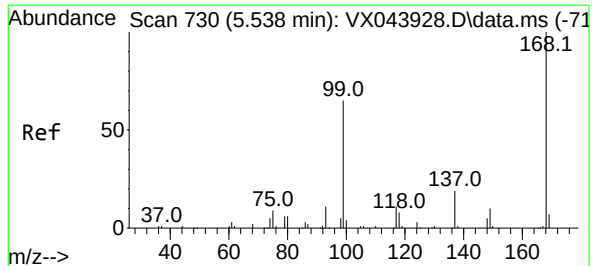
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043994.D  
Acq On : 25 Nov 2024 18:08  
Operator : JC/MD  
Sample : P4873-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-29-20241114

Quant Time: Nov 26 00:52:06 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.550 min Scan# 73

Delta R.T. 0.012 min

Lab File: VX043994.D

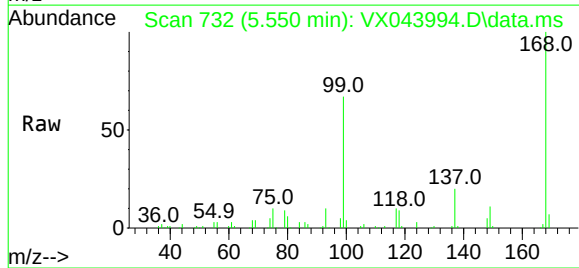
Acq: 25 Nov 2024 18:08

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114

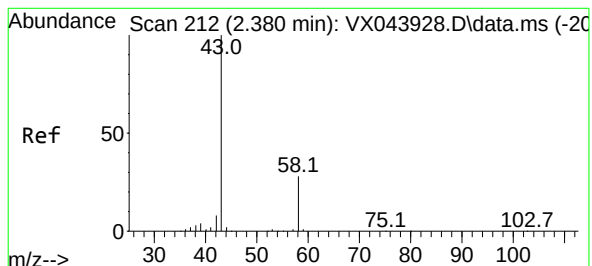
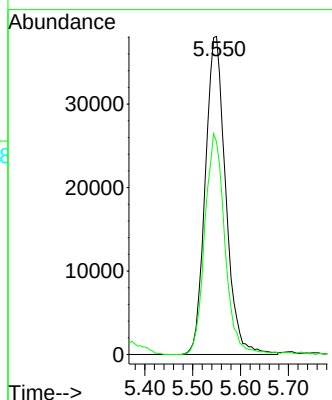
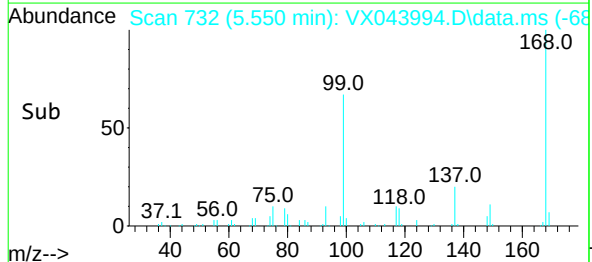


Tgt Ion: 168 Resp: 112896

Ion Ratio Lower Upper

168 100

99 66.9 51.8 77.8



#16

Acetone

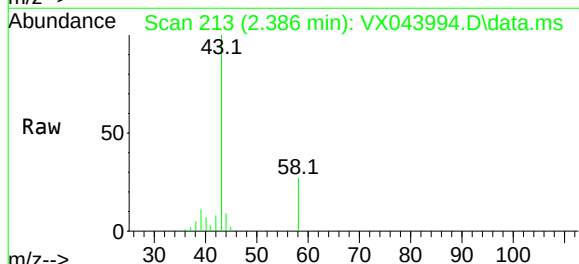
Concen: 13.723 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043994.D

Acq: 25 Nov 2024 18:08

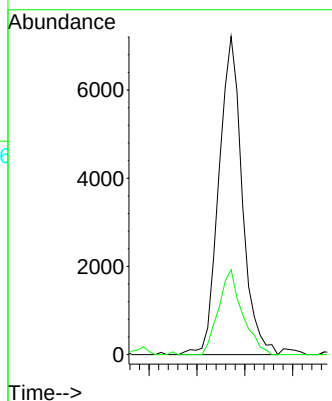
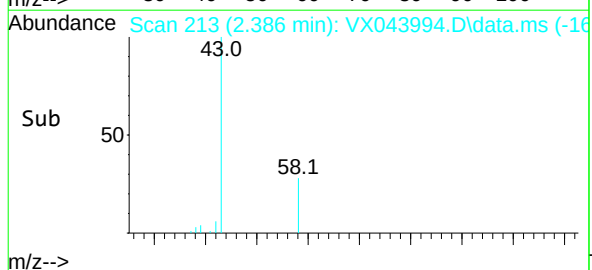


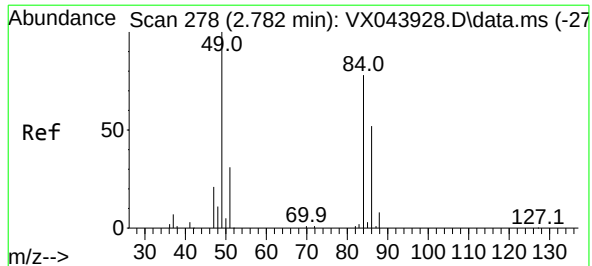
Tgt Ion: 43 Resp: 12205

Ion Ratio Lower Upper

43 100

58 26.7 22.7 34.1





#20

Methylene Chloride

Concen: 0.413 ug/l

RT: 2.782 min Scan# 27

Delta R.T. -0.000 min

Lab File: VX043994.D

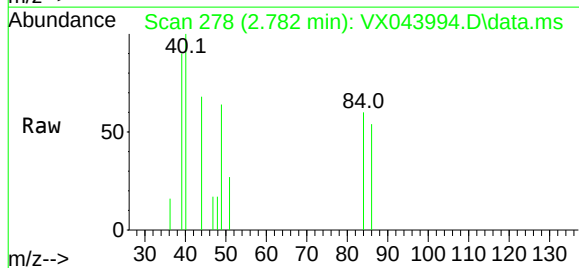
Acq: 25 Nov 2024 18:08

Instrument :

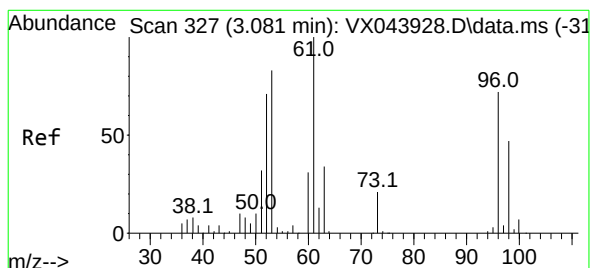
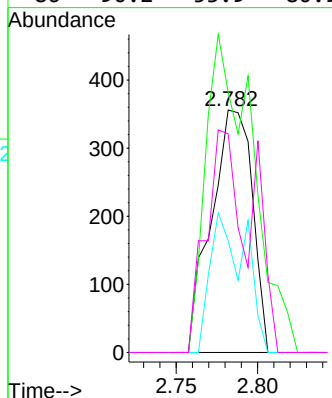
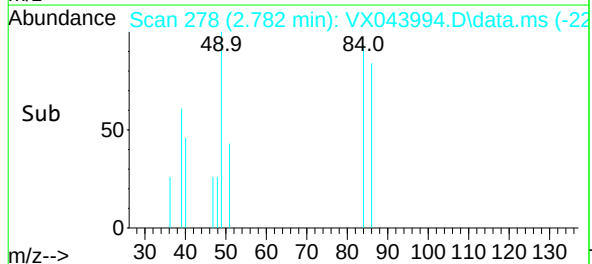
MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 84    | Resp: | 624   |
| Ion      | Ratio | Lower | Upper |
| 84       | 100   |       |       |
| 49       | 107.3 | 102.7 | 154.1 |
| 51       | 46.1  | 31.7  | 47.5  |
| 86       | 90.2  | 53.9  | 80.9  |



#21

trans-1,2-Dichloroethene

Concen: 0.386 ug/l

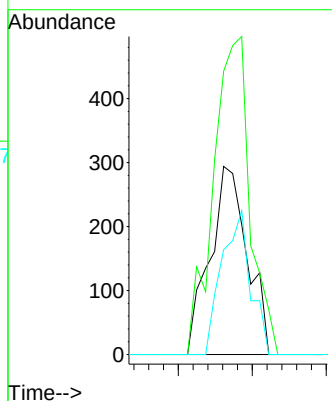
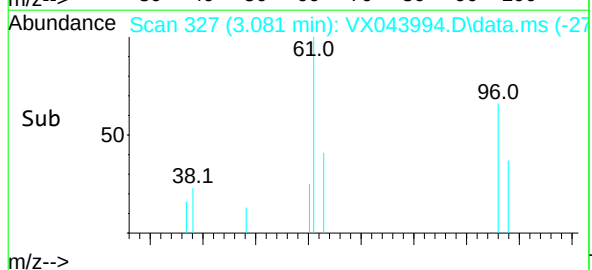
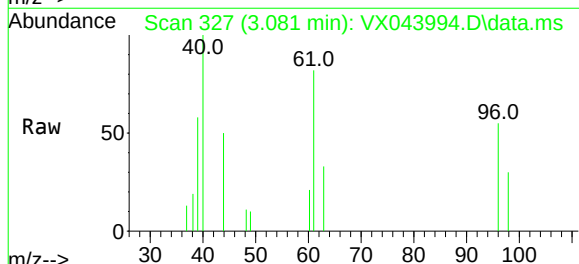
RT: 3.081 min Scan# 327

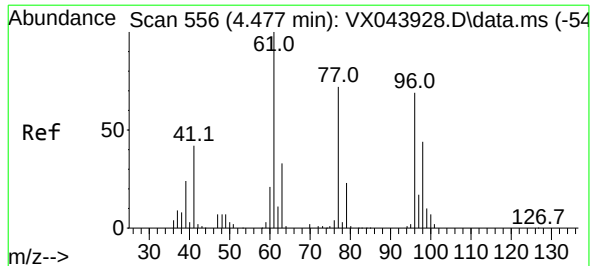
Delta R.T. -0.000 min

Lab File: VX043994.D

Acq: 25 Nov 2024 18:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 518   |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 150.7 | 111.8 | 167.6 |
| 98       | 55.8  | 52.7  | 79.1  |





#27

cis-1,2-Dichloroethene

Concen: 3.341 ug/l

RT: 4.489 min Scan# 55

Delta R.T. 0.012 min

Lab File: VX043994.D

Acq: 25 Nov 2024 18:08

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114

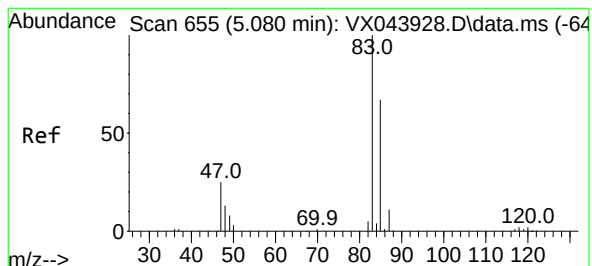
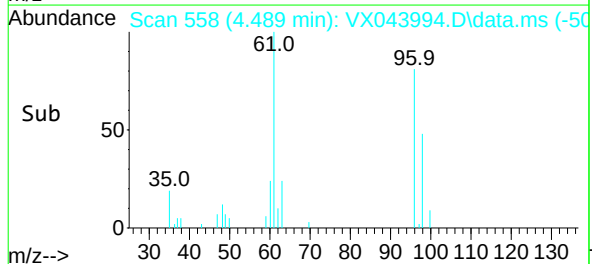
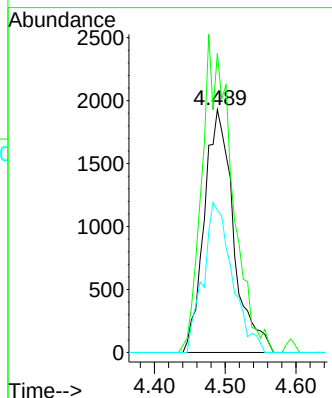
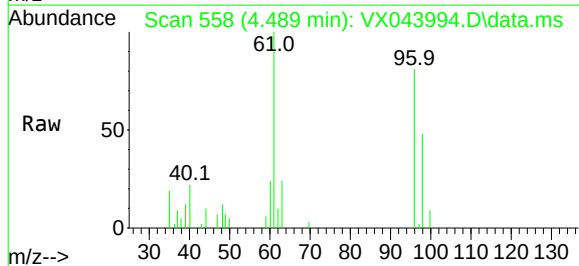
Tgt Ion: 96 Resp: 5547

Ion Ratio Lower Upper

96 100

61 134.3 0.0 297.4

98 61.2 0.0 127.8



#30

Chloroform

Concen: 0.770 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.018 min

Lab File: VX043994.D

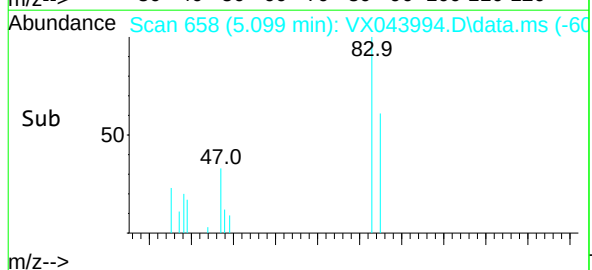
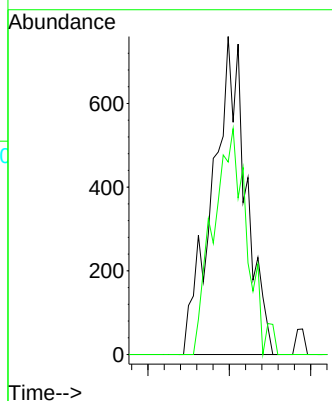
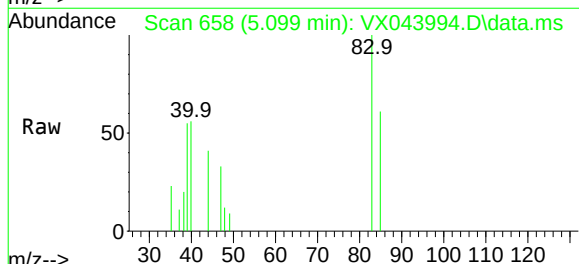
Acq: 25 Nov 2024 18:08

Tgt Ion: 83 Resp: 2172

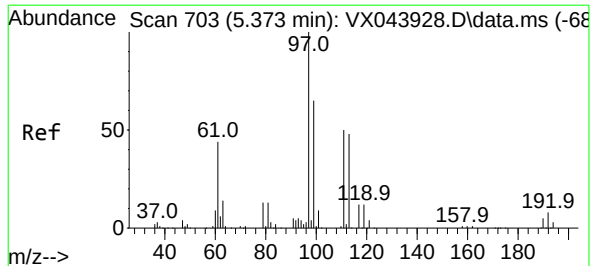
Ion Ratio Lower Upper

83 100

85 60.5 53.5 80.3







#32

1,1,1-Trichloroethane

Concen: 2.962 ug/l

RT: 5.385 min Scan# 703

Delta R.T. 0.012 min

Lab File: VX043994.D

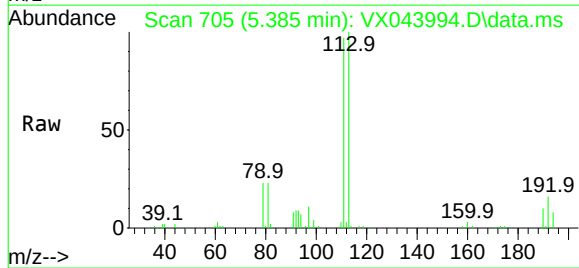
Acq: 25 Nov 2024 18:08

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114



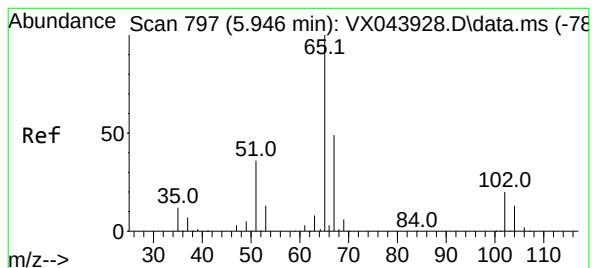
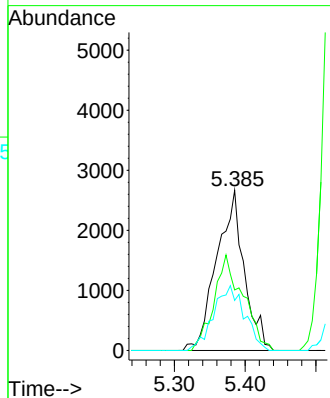
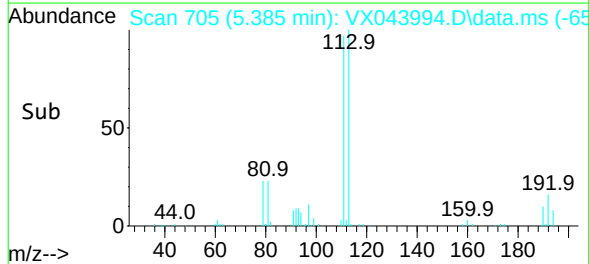
Tgt Ion: 97 Resp: 7204

Ion Ratio Lower Upper

97 100

99 63.2 50.8 76.2

61 45.8 35.4 53.2



#33

1,2-Dichloroethane-d4

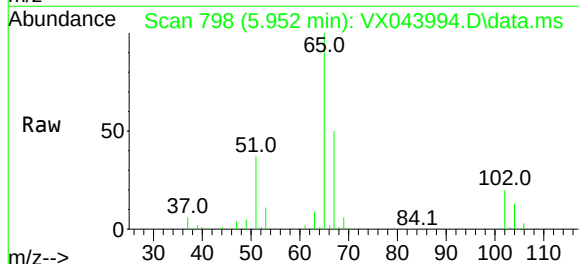
Concen: 50.318 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043994.D

Acq: 25 Nov 2024 18:08

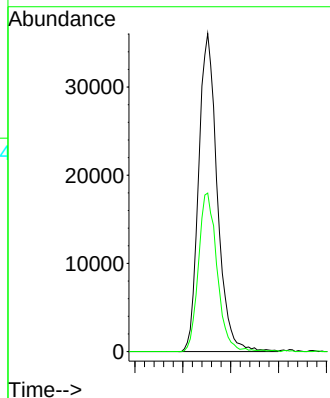
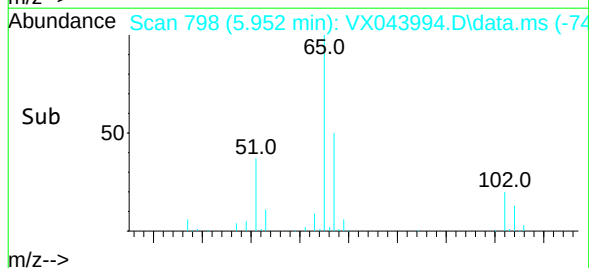


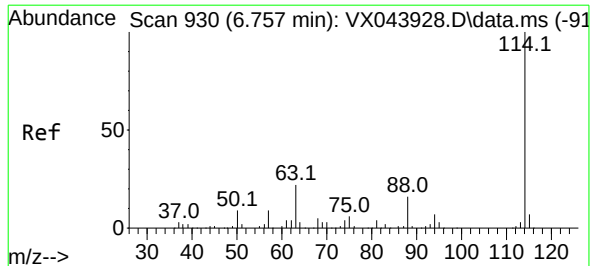
Tgt Ion: 65 Resp: 97434

Ion Ratio Lower Upper

65 100

67 49.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 93

Delta R.T. -0.000 min

Lab File: VX043994.D

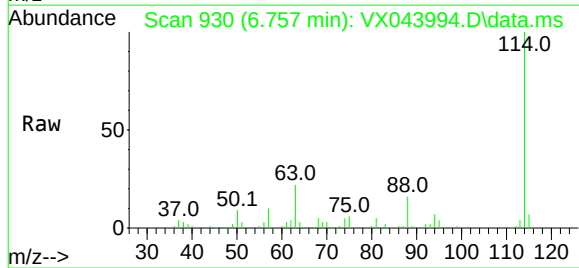
Acq: 25 Nov 2024 18:08

Instrument :

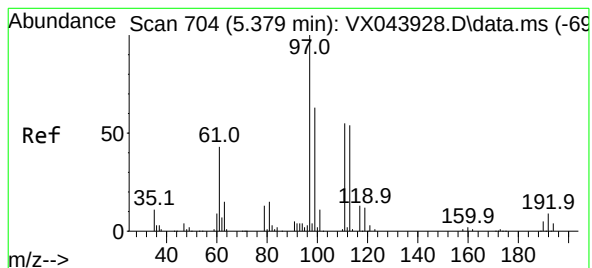
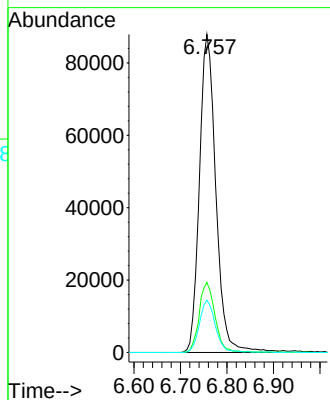
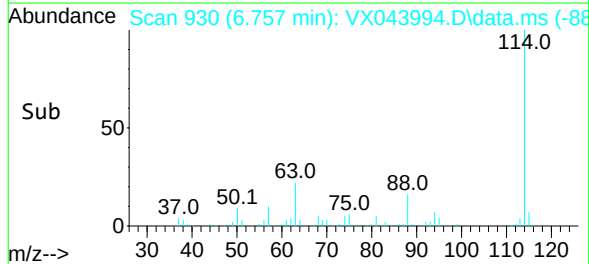
MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 215968 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 22.0  | 0.0   | 44.0   |
| 88       | 16.4  | 0.0   | 32.4   |



#35

Dibromofluoromethane

Concen: 47.587 ug/l

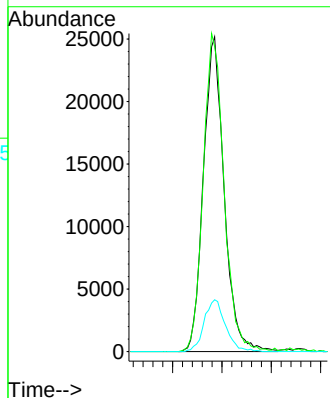
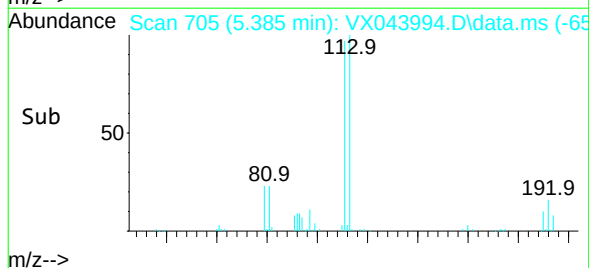
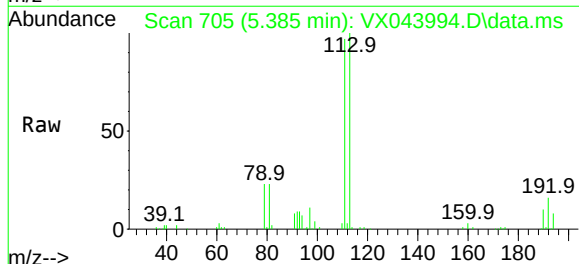
RT: 5.385 min Scan# 705

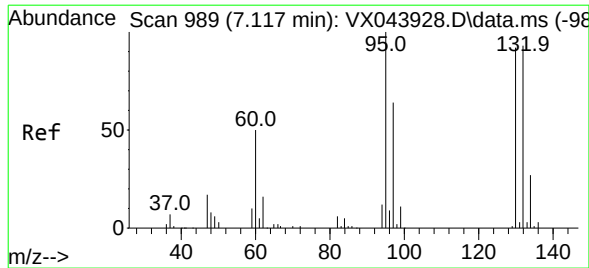
Delta R.T. 0.006 min

Lab File: VX043994.D

Acq: 25 Nov 2024 18:08

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 73436 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.2 | 81.0  | 121.4 |
| 192      | 17.0  | 13.0  | 19.6  |





#44

Trichloroethene

Concen: 137.626 ug/l

RT: 7.123 min Scan# 99

Delta R.T. 0.006 min

Lab File: VX043994.D

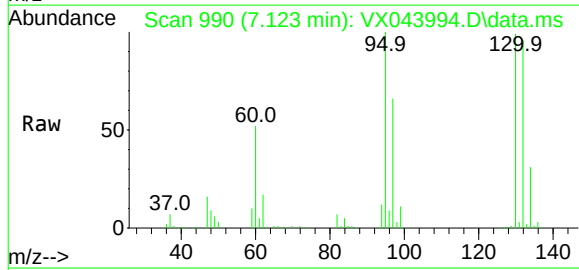
Acq: 25 Nov 2024 18:08

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114

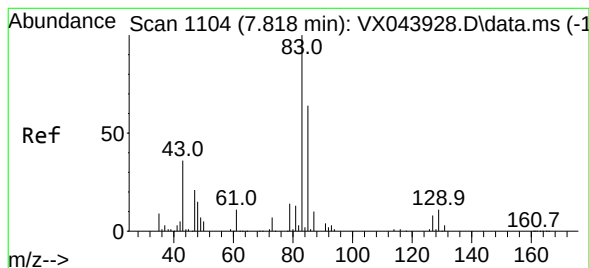
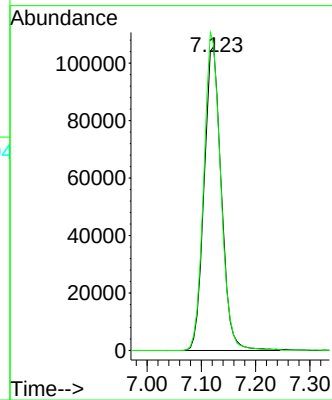
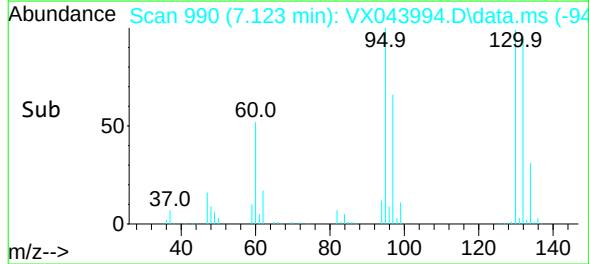


Tgt Ion:130 Resp: 233374

Ion Ratio Lower Upper

130 100

95 100.8 0.0 217.8



#47

Bromodichloromethane

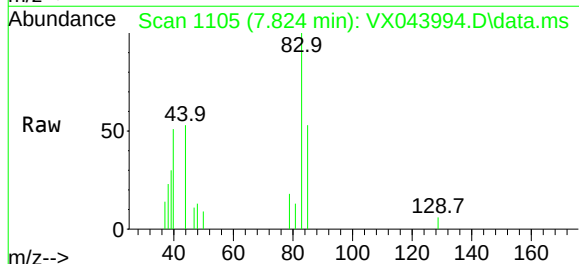
Concen: 0.770 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043994.D

Acq: 25 Nov 2024 18:08



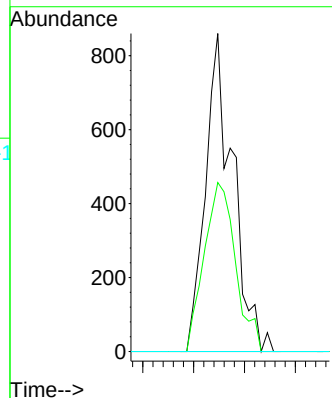
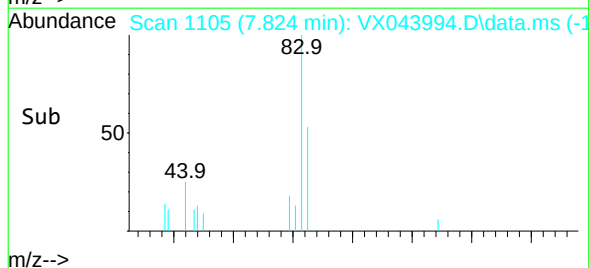
Tgt Ion: 83 Resp: 1603

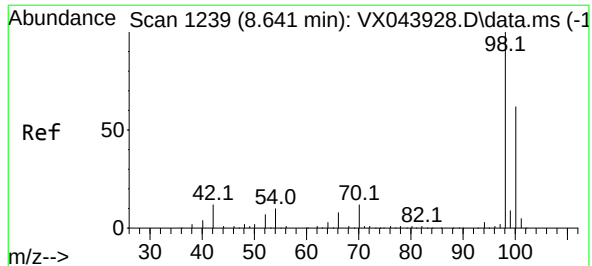
Ion Ratio Lower Upper

83 100

85 53.1 51.4 77.0

127 0.0 6.6 10.0#





#50

Toluene-d8

Concen: 49.401 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX043994.D

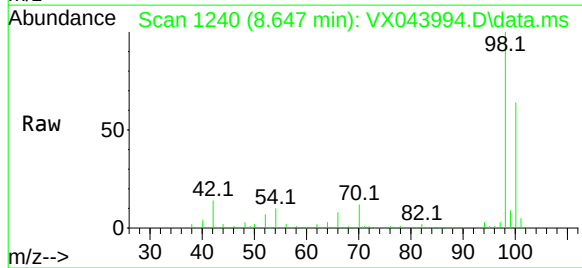
Acq: 25 Nov 2024 18:08

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114

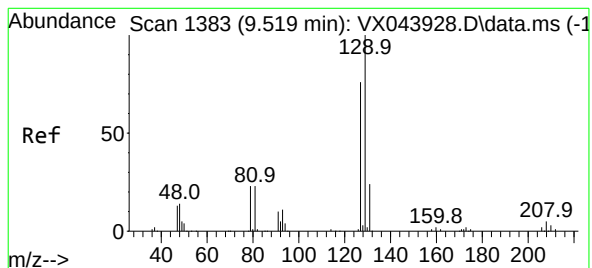
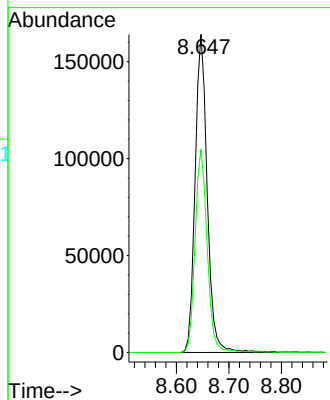
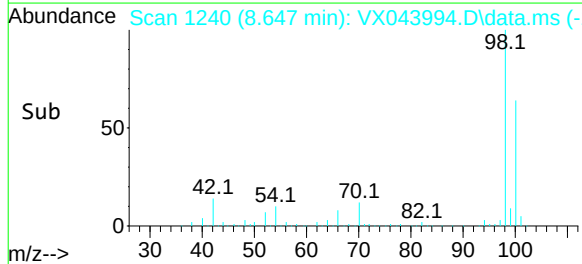


Tgt Ion: 98 Resp: 262792

Ion Ratio Lower Upper

98 100

100 63.9 52.6 79.0



#60

Dibromochloromethane

Concen: 0.730 ug/l

RT: 9.525 min Scan# 1384

Delta R.T. 0.006 min

Lab File: VX043994.D

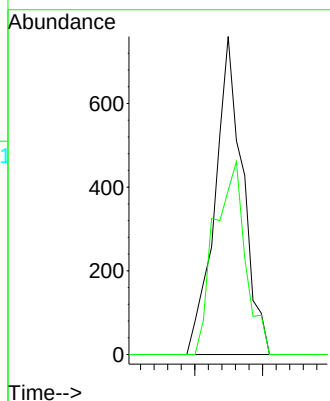
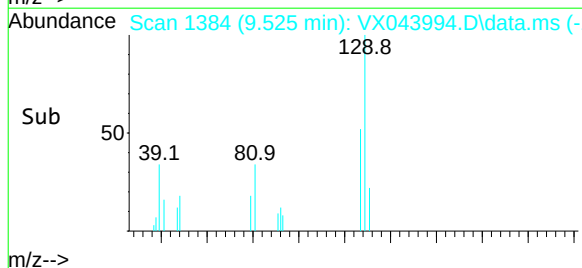
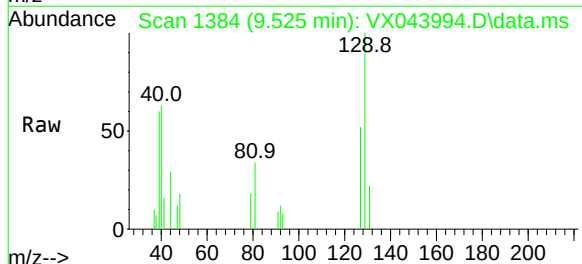
Acq: 25 Nov 2024 18:08

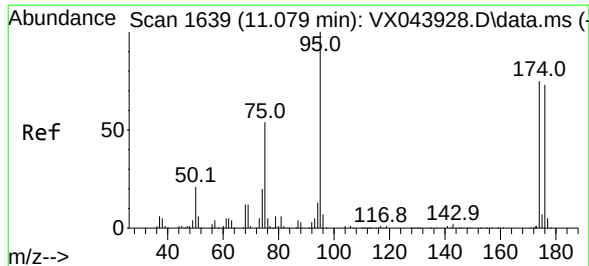
Tgt Ion: 129 Resp: 1084

Ion Ratio Lower Upper

129 100

127 67.3 38.2 114.6





#62

4-Bromofluorobenzene

Concen: 48.744 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043994.D

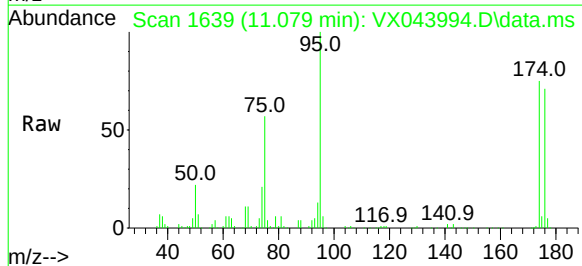
Acq: 25 Nov 2024 18:08

Instrument :

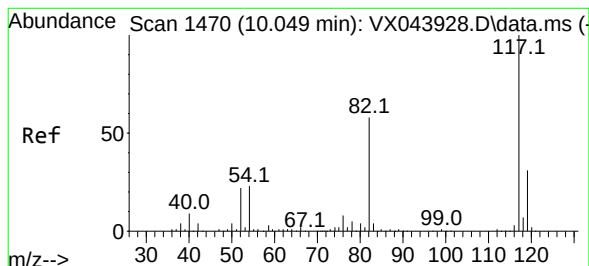
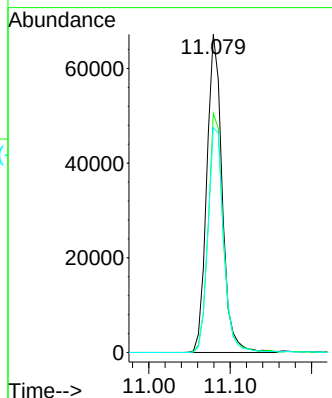
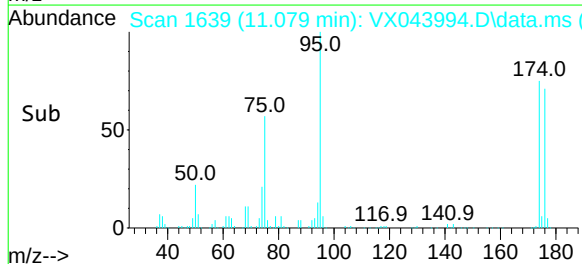
MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114



| Tgt Ion:  | 95    | Resp: | 88246 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 73.8  | 0.0   | 150.4 |
| 176       | 72.1  | 0.0   | 146.0 |



#63

Chlorobenzene-d5

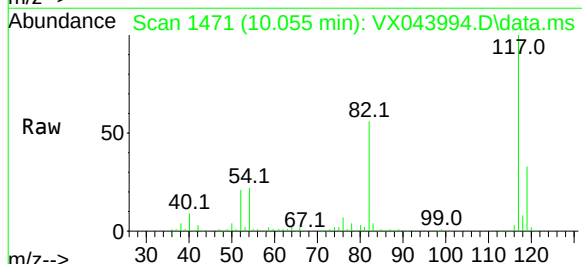
Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

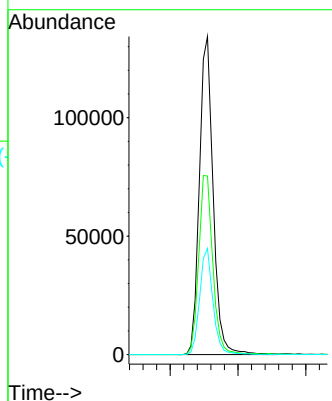
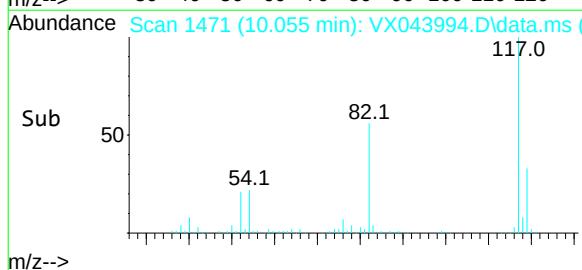
Delta R.T. 0.006 min

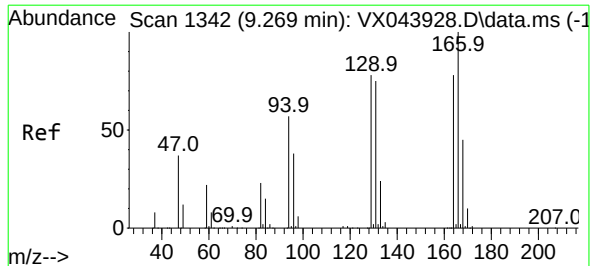
Lab File: VX043994.D

Acq: 25 Nov 2024 18:08



| Tgt Ion:  | 117   | Resp: | 189479 |
|-----------|-------|-------|--------|
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 56.1  | 46.4  | 69.6   |
| 119       | 33.4  | 24.6  | 37.0   |





#64

Tetrachloroethene

Concen: 10.956 ug/l

RT: 9.275 min Scan# 13

Delta R.T. 0.006 min

Lab File: VX043994.D

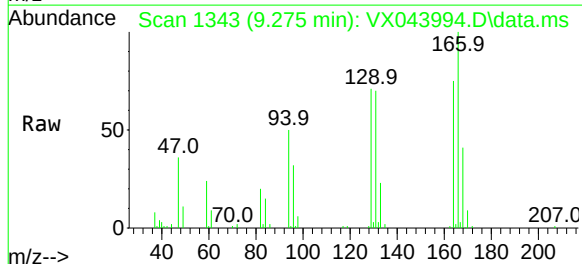
Acq: 25 Nov 2024 18:08

Instrument :

MSVOA\_X

ClientSampleId :

FSND-MW-29-20241114



Tgt Ion:164 Resp: 13688

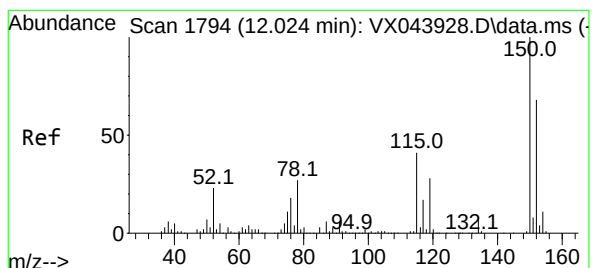
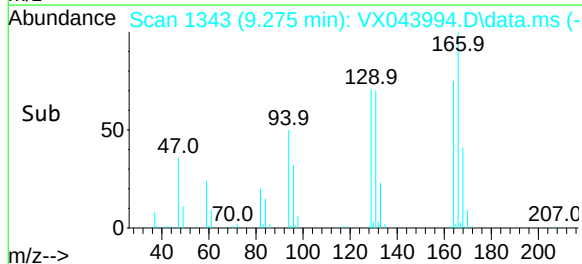
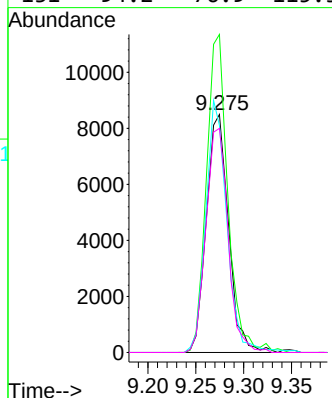
Ion Ratio Lower Upper

164 100

166 133.6 102.1 153.1

129 95.4 79.6 119.4

131 94.2 76.9 115.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043994.D

Acq: 25 Nov 2024 18:08

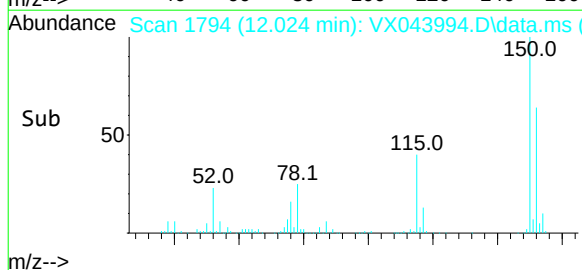
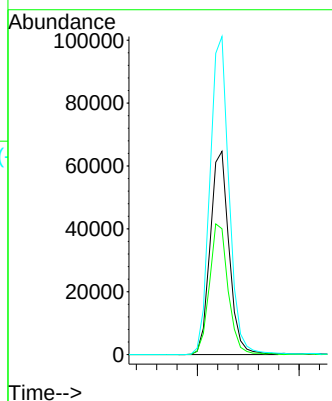
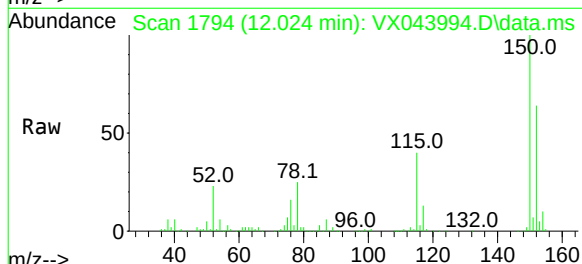
Tgt Ion:152 Resp: 83328

Ion Ratio Lower Upper

152 100

115 63.8 45.4 136.2

150 158.2 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043994.D  
Acq On : 25 Nov 2024 18:08  
Operator : JC/MD  
Sample : P4873-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-29-20241114

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\82X112124W.M  
Title : SW846 8260

Signal : TIC: VX043994.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         | 1.240       | 21            | 25          | 32           | rBV      | 15044          | 18960         | 1.36%           | 0.353%        |
| 2         | 1.563       | 66            | 78          | 79           | rBV5     | 11756          | 26801         | 1.92%           | 0.499%        |
| 3         | 2.386       | 208           | 213         | 220          | rBV      | 10801          | 18400         | 1.32%           | 0.343%        |
| 4         | 4.489       | 550           | 558         | 567          | rBV3     | 8794           | 24938         | 1.79%           | 0.464%        |
| 5         | 5.385       | 690           | 705         | 720          | rBV3     | 90023          | 273084        | 19.61%          | 5.084%        |
| 6         | 5.544       | 720           | 731         | 748          | rVV      | 126459         | 370398        | 26.60%          | 6.896%        |
| 7         | 5.952       | 789           | 798         | 818          | rBV      | 98399          | 269888        | 19.38%          | 5.025%        |
| 8         | 6.757       | 918           | 930         | 943          | rBV      | 219007         | 524469        | 37.67%          | 9.764%        |
| 9         | 7.123       | 980           | 990         | 1014         | rBV      | 622835         | 1392434       | 100.00%         | 25.924%       |
| 10        | 8.647       | 1233          | 1240        | 1257         | rBV      | 443739         | 716570        | 51.46%          | 13.341%       |
| 11        | 9.269       | 1335          | 1342        | 1352         | rBV      | 73450          | 119455        | 8.58%           | 2.224%        |
| 12        | 10.055      | 1465          | 1471        | 1484         | rBV      | 428133         | 619527        | 44.49%          | 11.534%       |
| 13        | 11.079      | 1634          | 1639        | 1649         | rBV      | 345795         | 446646        | 32.08%          | 8.316%        |
| 14        | 12.018      | 1788          | 1793        | 1805         | rBV      | 417493         | 549672        | 39.48%          | 10.234%       |

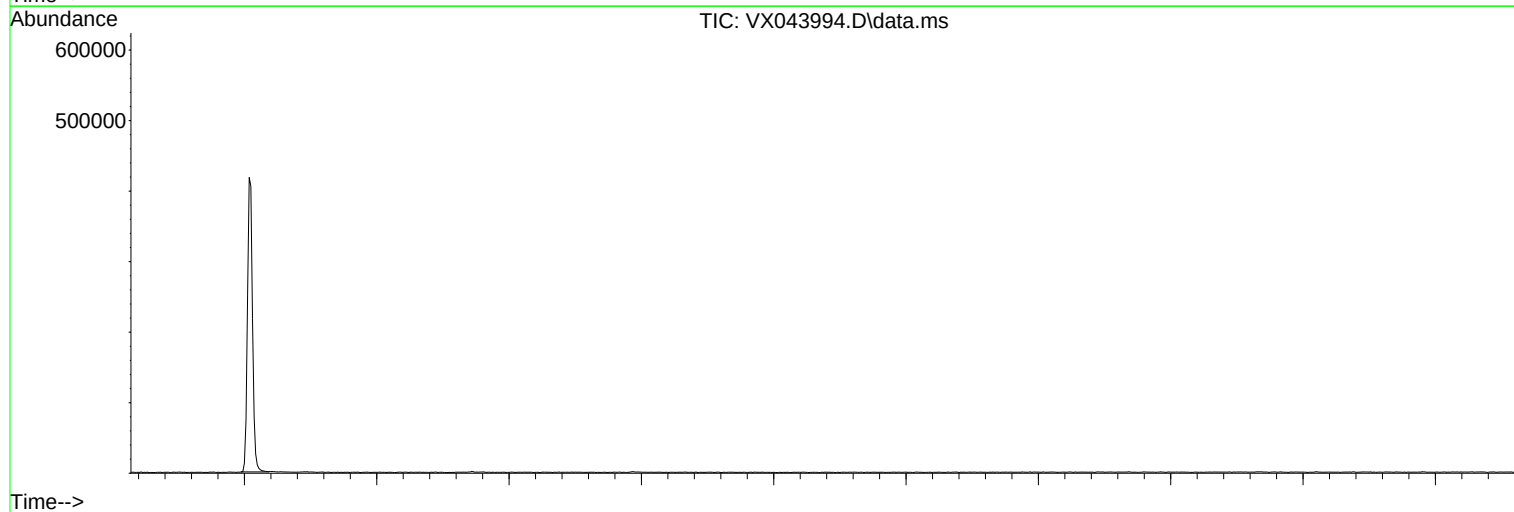
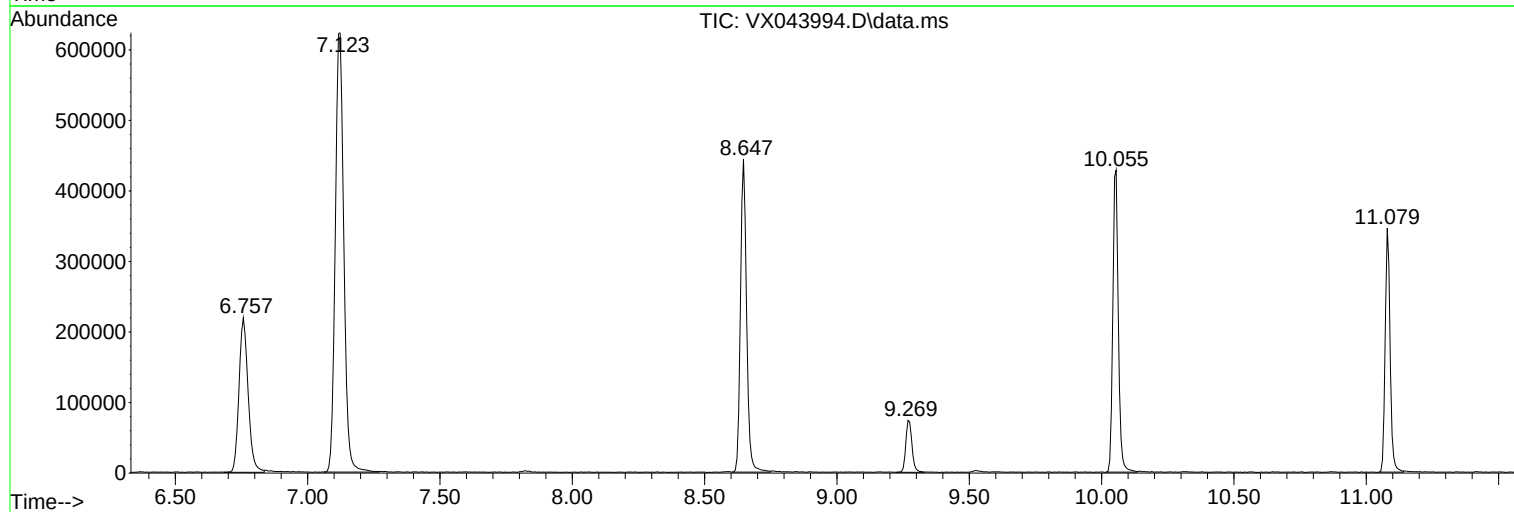
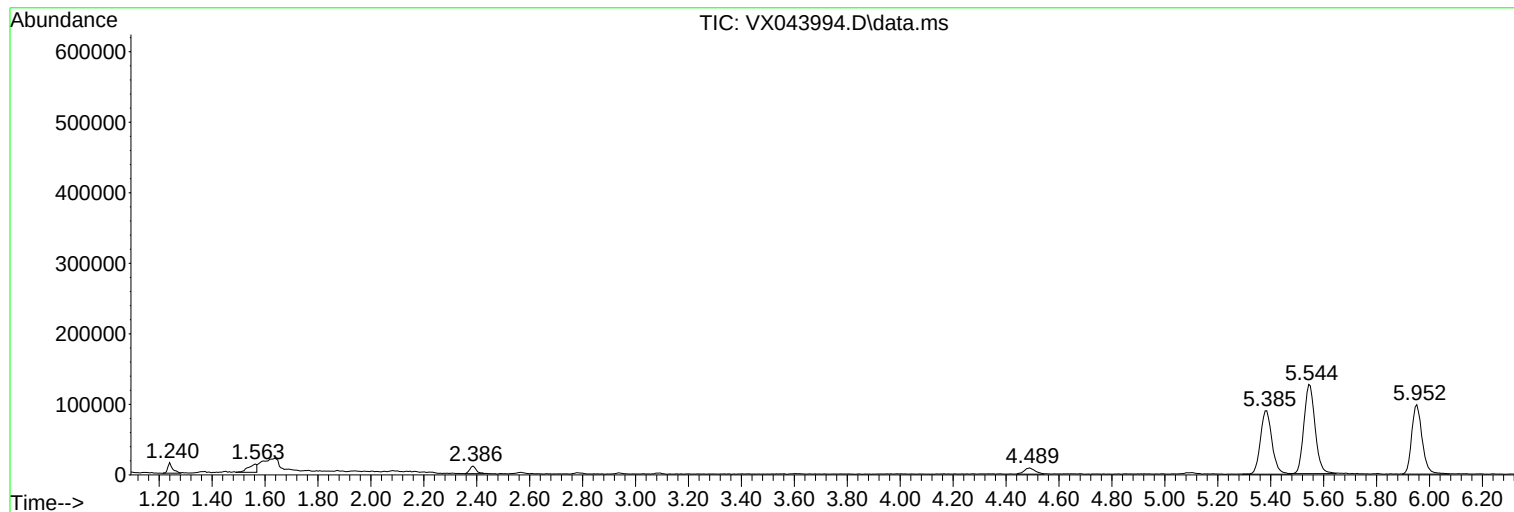
Sum of corrected areas: 5371242

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043994.D  
Acq On : 25 Nov 2024 18:08  
Operator : JC/MD  
Sample : P4873-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-29-20241114

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

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043994.D  
Acq On : 25 Nov 2024 18:08  
Operator : JC/MD  
Sample : P4873-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-29-20241114

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

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043994.D  
Acq On : 25 Nov 2024 18:08  
Operator : JC/MD  
Sample : P4873-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FSND-MW-29-20241114

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

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

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



# CALIBRATION SUMMARY



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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: EAEN05  
 Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873  
 Instrument ID: MSVOA\_X Calibration Date(s): 11/21/2024 11/21/2024  
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                   |        | RRF001 = VX043925.D |        | RRF005 = VX043926.D |        | RRF020 = VX043927.D |       |       |  |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                                |        | RRF050 = VX043928.D |        | RRF100 = VX043929.D |        | RRF150 = VX043930.D |       |       |  |
| COMPOUND                       | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Dichlorodifluoromethane        | 0.634  | 0.633               | 0.641  | 0.684               | 0.601  | 0.608               | 0.633 | 4.6   |  |
| Chloromethane                  | 0.578  | 0.662               | 0.720  | 0.697               | 0.665  | 0.677               | 0.667 | 7.3   |  |
| Vinyl Chloride                 | 0.675  | 0.708               | 0.730  | 0.762               | 0.695  | 0.684               | 0.709 | 4.6   |  |
| Bromomethane                   |        | 0.425               | 0.438  | 0.445               | 0.429  | 0.442               | 0.436 | 2     |  |
| Chloroethane                   | 0.579  | 0.429               | 0.404  | 0.459               | 0.368  | 0.354               | 0.432 | 18.9  |  |
| Trichlorofluoromethane         | 1.038  | 1.267               | 1.335  | 1.357               | 1.281  | 1.328               | 1.268 | 9.3   |  |
| 1,1,2-Trichlorotrifluoroethane | 0.592  | 0.585               | 0.605  | 0.658               | 0.589  | 0.599               | 0.605 | 4.5   |  |
| 1,1-Dichloroethene             | 0.596  | 0.530               | 0.585  | 0.600               | 0.572  | 0.576               | 0.576 | 4.4   |  |
| Acetone                        | 0.401  | 0.396               | 0.401  | 0.425               | 0.370  | 0.370               | 0.394 | 5.4   |  |
| Carbon Disulfide               | 1.082  | 0.956               | 1.078  | 1.287               | 1.330  | 1.398               | 1.188 | 14.6  |  |
| Methyl tert-butyl Ether        | 1.732  | 1.991               | 2.212  | 2.264               | 2.160  | 2.192               | 2.092 | 9.5   |  |
| Methyl Acetate                 | 0.931  | 0.871               | 0.911  | 0.987               | 0.894  | 0.910               | 0.917 | 4.3   |  |
| Methylene Chloride             | 0.704  | 0.656               | 0.684  | 0.667               | 0.643  | 0.655               | 0.668 | 3.3   |  |
| trans-1,2-Dichloroethene       | 0.545  | 0.563               | 0.609  | 0.633               | 0.600  | 0.619               | 0.595 | 5.7   |  |
| 1,1-Dichloroethane             | 0.980  | 1.118               | 1.221  | 1.256               | 1.185  | 1.208               | 1.161 | 8.6   |  |
| Cyclohexane                    |        | 0.911               | 0.976  | 1.041               | 0.926  | 0.925               | 0.956 | 5.6   |  |
| 2-Butanone                     | 0.448  | 0.486               | 0.538  | 0.567               | 0.500  | 0.510               | 0.508 | 8.1   |  |
| Carbon Tetrachloride           | 0.439  | 0.466               | 0.491  | 0.558               | 0.520  | 0.528               | 0.500 | 8.7   |  |
| cis-1,2-Dichloroethene         | 0.674  | 0.673               | 0.761  | 0.792               | 0.745  | 0.767               | 0.735 | 6.8   |  |
| Bromochloromethane             | 0.501  | 0.611               | 0.482  | 0.450               | 0.500  | 0.523               | 0.511 | 10.7  |  |
| Chloroform                     | 1.070  | 1.238               | 1.309  | 1.316               | 1.269  | 1.293               | 1.249 | 7.4   |  |
| 1,1,1-Trichloroethane          | 0.873  | 1.005               | 1.133  | 1.184               | 1.119  | 1.149               | 1.077 | 10.9  |  |
| Methylcyclohexane              | 0.544  | 0.556               | 0.564  | 0.656               | 0.574  | 0.576               | 0.578 | 6.9   |  |
| Benzene                        | 1.211  | 1.369               | 1.457  | 1.494               | 1.388  | 1.402               | 1.387 | 7     |  |
| 1,2-Dichloroethane             | 0.499  | 0.546               | 0.585  | 0.603               | 0.551  | 0.558               | 0.557 | 6.4   |  |
| Trichloroethene                | 0.547  | 0.372               | 0.368  | 0.373               | 0.345  | 0.352               | 0.393 | 19.5  |  |
| 1,2-Dichloropropane            | 0.288  | 0.322               | 0.361  | 0.371               | 0.346  | 0.350               | 0.340 | 8.8   |  |
| Bromodichloromethane           | 0.349  | 0.425               | 0.501  | 0.544               | 0.528  | 0.545               | 0.482 | 16.4  |  |
| 4-Methyl-2-Pentanone           | 0.437  | 0.527               | 0.562  | 0.606               | 0.539  | 0.548               | 0.537 | 10.4  |  |
| Toluene                        | 0.636  | 0.839               | 0.883  | 0.921               | 0.850  | 0.852               | 0.830 | 12    |  |

\* 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: CHEMTECH Contract: EAEN05  
 Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873  
 Instrument ID: MSVOA\_X Calibration Date(s): 11/21/2024 11/21/2024  
 Heated Purge: (Y/N) N Calibration Time(s): 09:47 12:03  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                |        | RRF001 = VX043925.D |        | RRF005 = VX043926.D |        | RRF020 = VX043927.D |       |       |  |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                             |        | RRF050 = VX043928.D |        | RRF100 = VX043929.D |        | RRF150 = VX043930.D |       |       |  |
| COMPOUND                    | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| t-1,3-Dichloropropene       | 0.341  | 0.413               | 0.507  | 0.569               | 0.549  | 0.570               | 0.491 | 19.2  |  |
| cis-1,3-Dichloropropene     | 0.409  | 0.462               | 0.569  | 0.611               | 0.580  | 0.601               | 0.539 | 15.4  |  |
| 1,1,2-Trichloroethane       | 0.287  | 0.340               | 0.375  | 0.370               | 0.340  | 0.345               | 0.343 | 9.1   |  |
| 2-Hexanone                  | 0.297  | 0.393               | 0.431  | 0.471               | 0.410  | 0.419               | 0.403 | 14.5  |  |
| Dibromochloromethane        | 0.249  | 0.292               | 0.344  | 0.396               | 0.380  | 0.401               | 0.344 | 18    |  |
| 1,2-Dibromoethane           | 0.258  | 0.339               | 0.373  | 0.385               | 0.358  | 0.367               | 0.346 | 13.3  |  |
| Tetrachloroethene           | 0.304  | 0.342               | 0.336  | 0.349               | 0.315  | 0.332               | 0.330 | 5.1   |  |
| Chlorobenzene               | 1.050  | 1.109               | 1.107  | 1.145               | 1.069  | 1.108               | 1.098 | 3.1   |  |
| Ethyl Benzene               | 1.579  | 1.831               | 1.910  | 2.024               | 1.884  | 1.938               | 1.861 | 8.2   |  |
| m/p-Xylenes                 | 0.610  | 0.663               | 0.704  | 0.762               | 0.700  | 0.725               | 0.694 | 7.6   |  |
| o-Xylene                    | 0.543  | 0.665               | 0.691  | 0.757               | 0.693  | 0.716               | 0.678 | 10.7  |  |
| Styrene                     | 0.859  | 1.025               | 1.174  | 1.263               | 1.186  | 1.217               | 1.121 | 13.5  |  |
| Bromoform                   | 0.145  | 0.200               | 0.222  | 0.284               | 0.286  | 0.306               | 0.240 | 25.9  |  |
| Isopropylbenzene            | 3.435  | 3.927               | 3.996  | 4.097               | 3.679  | 3.927               | 3.843 | 6.3   |  |
| 1,1,2,2-Tetrachloroethane   | 1.198  | 1.356               | 1.375  | 1.393               | 1.260  | 1.314               | 1.316 | 5.7   |  |
| 1,3-Dichlorobenzene         | 1.580  | 1.656               | 1.701  | 1.764               | 1.623  | 1.696               | 1.670 | 3.9   |  |
| 1,4-Dichlorobenzene         | 1.730  | 1.638               | 1.706  | 1.782               | 1.650  | 1.710               | 1.702 | 3.1   |  |
| 1,2-Dichlorobenzene         | 1.506  | 1.733               | 1.723  | 1.768               | 1.642  | 1.740               | 1.685 | 5.8   |  |
| 1,2-Dibromo-3-Chloropropane | 0.213  | 0.254               | 0.252  | 0.284               | 0.275  | 0.304               | 0.264 | 12    |  |
| 1,2,4-Trichlorobenzene      | 0.849  | 0.905               | 0.987  | 1.084               | 1.012  | 1.125               | 0.994 | 10.5  |  |
| 1,2,3-Trichlorobenzene      | 0.753  | 0.960               | 1.055  | 1.118               | 1.018  | 1.130               | 1.006 | 13.8  |  |
| 1,2-Dichloroethane-d4       |        | 0.926               | 0.876  | 0.751               | 0.855  | 0.880               | 0.858 | 7.6   |  |
| Dibromofluoromethane        |        | 0.371               | 0.353  | 0.327               | 0.359  | 0.376               | 0.357 | 5.4   |  |
| Toluene-d8                  |        | 1.327               | 1.237  | 1.104               | 1.232  | 1.257               | 1.232 | 6.6   |  |
| 4-Bromofluorobenzene        |        | 0.401               | 0.414  | 0.387               | 0.438  | 0.455               | 0.419 | 6.6   |  |

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

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

## Calibration Files

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

D

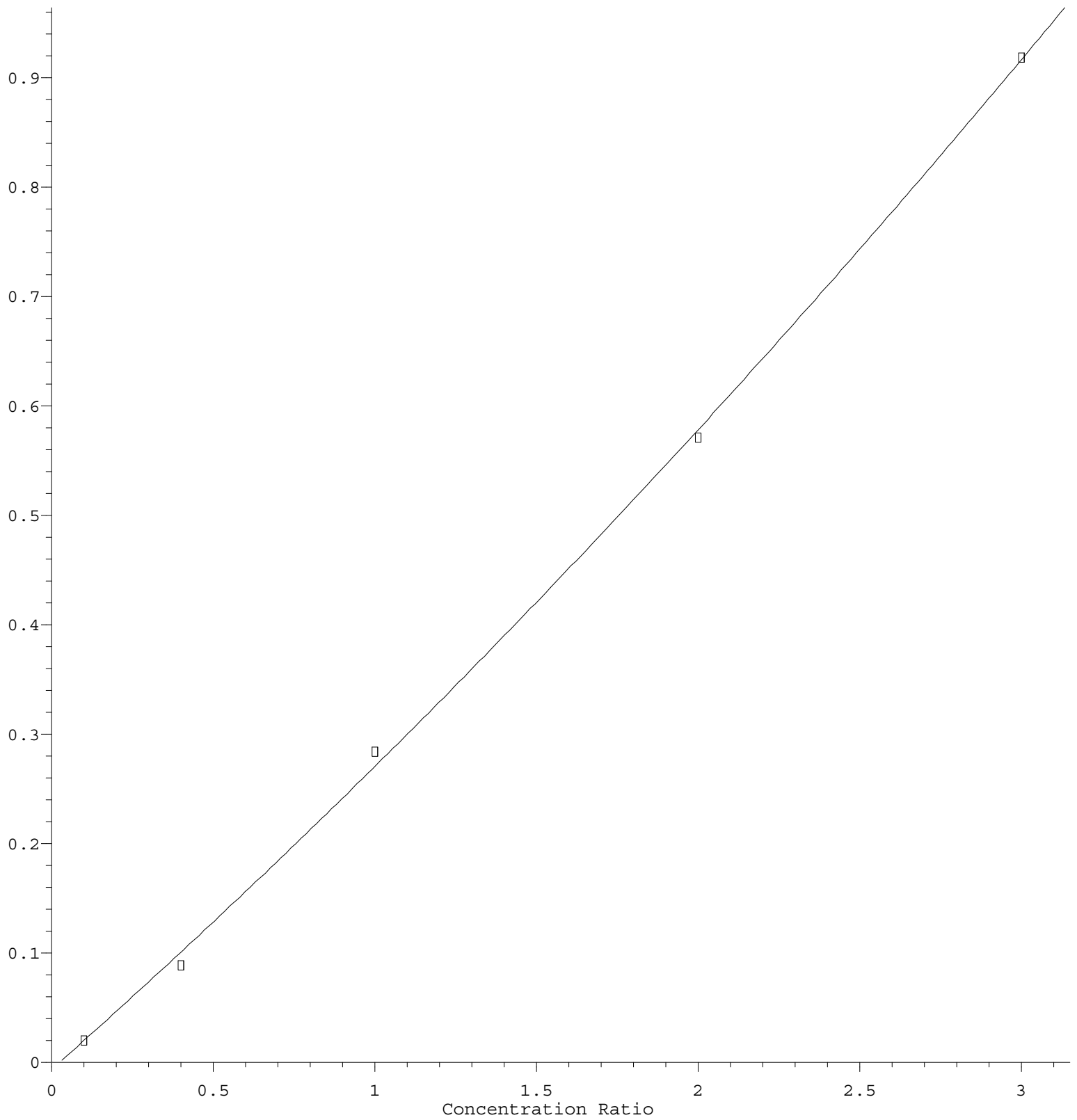
| Compound |                     | 1              | 5     | 20    | 50    | 100   | 150   | Avg   | %RSD   |
|----------|---------------------|----------------|-------|-------|-------|-------|-------|-------|--------|
| -----    |                     |                |       |       |       |       |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

|                                                 |    |                       |       |       |       |       |       |       |       |       |
|-------------------------------------------------|----|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\ |    |                       |       |       |       |       |       |       |       |       |
| Method File : 82X112124W.M                      |    |                       |       |       |       |       |       |       |       |       |
| 56)                                             | T  | Ethyl methacry...     | 0.379 | 0.467 | 0.571 | 0.614 | 0.582 | 0.590 | 0.534 | 17.12 |
| 57)                                             | T  | 1,3-Dichloropr...     | 0.480 | 0.574 | 0.620 | 0.625 | 0.579 | 0.585 | 0.577 | 9.04  |
| 58)                                             | T  | 2-Chloroethyl ...     | 0.159 | 0.327 | 0.276 | 0.307 | 0.284 | 0.287 | 0.273 | 21.65 |
| 59)                                             | T  | 2-Hexanone            | 0.297 | 0.393 | 0.431 | 0.471 | 0.410 | 0.419 | 0.403 | 14.49 |
| 60)                                             | T  | Dibromochlorom...     | 0.249 | 0.292 | 0.344 | 0.396 | 0.380 | 0.401 | 0.344 | 17.98 |
| 61)                                             | T  | 1,2-Dibromoethane     | 0.258 | 0.339 | 0.373 | 0.385 | 0.358 | 0.367 | 0.346 | 13.33 |
| 62)                                             | S  | 4-Bromofluorob...     | 0.401 | 0.414 | 0.387 | 0.438 | 0.455 | 0.419 |       | 6.61  |
| -----ISTD-----                                  |    |                       |       |       |       |       |       |       |       |       |
| 63)                                             | I  | Chlorobenzene-d5      |       |       |       |       |       |       |       |       |
| 64)                                             | T  | Tetrachloroethene     | 0.304 | 0.342 | 0.336 | 0.349 | 0.315 | 0.332 | 0.330 | 5.14  |
| 65)                                             | PM | Chlorobenzene         | 1.050 | 1.109 | 1.107 | 1.145 | 1.069 | 1.108 | 1.098 | 3.05  |
| 66)                                             | T  | 1,1,1,2-Tetrac...     | 0.260 | 0.332 | 0.371 | 0.395 | 0.382 | 0.396 | 0.356 | 14.75 |
| 67)                                             | C  | Ethyl Benzene         | 1.579 | 1.831 | 1.910 | 2.024 | 1.884 | 1.938 | 1.861 | 8.19# |
| 68)                                             | T  | m/p-Xylenes           | 0.610 | 0.663 | 0.704 | 0.762 | 0.700 | 0.725 | 0.694 | 7.57  |
| 69)                                             | T  | o-Xylene              | 0.543 | 0.665 | 0.691 | 0.757 | 0.693 | 0.716 | 0.678 | 10.75 |
| 70)                                             | T  | Styrene               | 0.859 | 1.025 | 1.174 | 1.263 | 1.186 | 1.217 | 1.121 | 13.47 |
| 71)                                             | P  | Bromoform             | 0.145 | 0.200 | 0.222 | 0.284 | 0.286 | 0.306 | 0.240 | 25.88 |
| -----ISTD-----                                  |    |                       |       |       |       |       |       |       |       |       |
| 72)                                             | I  | 1,4-Dichlorobenzen... |       |       |       |       |       |       |       |       |
| 73)                                             | T  | Isopropylbenzene      | 3.435 | 3.927 | 3.996 | 4.097 | 3.679 | 3.927 | 3.843 | 6.32  |
| 74)                                             | T  | N-amyl acetate        | 1.249 | 1.648 | 1.867 | 1.996 | 1.895 | 2.029 | 1.780 | 16.45 |
| 75)                                             | P  | 1,1,2,2-Tetrac...     | 1.198 | 1.356 | 1.375 | 1.393 | 1.260 | 1.314 | 1.316 | 5.70  |
| 76)                                             | T  | 1,2,3-Trichlor...     | 0.863 | 1.246 | 1.153 | 1.181 | 1.053 | 1.084 | 1.096 | 12.17 |
| 77)                                             | T  | Bromobenzene          | 0.794 | 0.958 | 0.955 | 0.975 | 0.883 | 0.936 | 0.917 | 7.40  |
| 78)                                             | T  | n-propylbenzene       | 3.667 | 4.115 | 4.469 | 4.733 | 4.286 | 4.486 | 4.293 | 8.63  |
| 79)                                             | T  | 2-Chlorotoluene       | 2.487 | 2.766 | 2.868 | 2.857 | 2.581 | 2.726 | 2.714 | 5.62  |
| 80)                                             | T  | 1,3,5-Trimethy...     | 2.704 | 3.115 | 3.352 | 3.444 | 3.118 | 3.238 | 3.162 | 8.19  |
| 81)                                             | T  | trans-1,4-Dich...     | 0.298 | 0.374 | 0.443 | 0.423 | 0.471 | 0.402 |       | 16.90 |
| 82)                                             | T  | 4-Chlorotoluene       | 2.660 | 3.005 | 3.187 | 3.329 | 3.025 | 3.180 | 3.064 | 7.54  |
| 83)                                             | T  | tert-Butylbenzene     | 2.581 | 3.097 | 3.266 | 3.440 | 3.152 | 3.269 | 3.134 | 9.42  |
| 84)                                             | T  | 1,2,4-Trimethy...     | 2.557 | 3.173 | 3.366 | 3.440 | 3.124 | 3.228 | 3.148 | 9.95  |
| 85)                                             | T  | sec-Butylbenzene      | 3.116 | 3.921 | 3.968 | 4.249 | 3.812 | 3.974 | 3.840 | 9.97  |
| 86)                                             | T  | p-Isopropyltol...     | 2.255 | 3.043 | 3.316 | 3.521 | 3.219 | 3.362 | 3.119 | 14.50 |
| 87)                                             | T  | 1,3-Dichlorobe...     | 1.580 | 1.656 | 1.701 | 1.764 | 1.623 | 1.696 | 1.670 | 3.88  |
| 88)                                             | T  | 1,4-Dichlorobe...     | 1.730 | 1.638 | 1.706 | 1.782 | 1.650 | 1.710 | 1.702 | 3.10  |
| 89)                                             | T  | n-Butylbenzene        | 1.897 | 2.580 | 2.805 | 3.184 | 2.909 | 3.126 | 2.750 | 17.18 |
| 90)                                             | T  | Hexachloroethane      | 0.450 | 0.443 | 0.496 | 0.588 | 0.581 | 0.625 | 0.530 | 14.64 |
| 91)                                             | T  | 1,2-Dichlorobe...     | 1.506 | 1.733 | 1.723 | 1.768 | 1.642 | 1.740 | 1.685 | 5.79  |
| 92)                                             | T  | 1,2-Dibromo-3-...     | 0.213 | 0.254 | 0.252 | 0.284 | 0.275 | 0.304 | 0.264 | 12.00 |
| 93)                                             | T  | 1,2,4-Trichlor...     | 0.849 | 0.905 | 0.987 | 1.084 | 1.012 | 1.125 | 0.994 | 10.53 |
| 94)                                             | T  | Hexachlorobuta...     | 0.382 | 0.384 | 0.376 | 0.411 | 0.384 | 0.419 | 0.393 | 4.54  |
| 95)                                             | T  | Naphthalene           | 2.605 | 3.361 | 3.698 | 4.005 | 3.733 | 4.058 | 3.576 | 15.03 |
| 96)                                             | T  | 1,2,3-Trichlor...     | 0.753 | 0.960 | 1.055 | 1.118 | 1.018 | 1.130 | 1.006 | 13.83 |

(#) = Out of Range

# Bromoform

Response Ratio



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



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

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

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

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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 148984   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 260569   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 218244   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 92854    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 0.000  | 65    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 0.000%# |
| 35) Dibromofluoromethane  | 0.000  | 113   | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 0.000%# |
| 50) Toluene-d8            | 0.000  | 98    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 0.000%# |
| 62) 4-Bromofluorobenzene  | 0.000  | 95    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 0.000%# |

## Target Compounds

|                              |       |     |       |       |        | Qvalue |
|------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 1889  | 1.001 | ug/l   | 88     |
| 3) Chloromethane             | 1.295 | 50  | 1723  | 0.868 | ug/l   | 90     |
| 4) Vinyl Chloride            | 1.374 | 62  | 2010  | 0.951 | ug/l # | 81     |
| 6) Chloroethane              | 1.666 | 64  | 1724  | 1.339 | ug/l # | 82     |
| 7) Trichlorofluoromethane    | 1.874 | 101 | 3093  | 0.819 | ug/l   | 92     |
| 8) Diethyl Ether             | 2.136 | 74  | 1421  | 1.032 | ug/l   | 75     |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 1764  | 0.979 | ug/l   | 94     |
| 12) 1,1-Dichloroethene       | 2.300 | 96  | 1775  | 1.034 | ug/l # | 62     |
| 14) Allyl chloride           | 2.654 | 41  | 2371  | 0.845 | ug/l   | 87     |
| 15) Acrylonitrile            | 3.063 | 53  | 4483  | 4.485 | ug/l   | 95     |
| 16) Acetone                  | 2.386 | 43  | 5977  | 5.093 | ug/l # | 86     |
| 17) Carbon Disulfide         | 2.502 | 76  | 3223  | 0.910 | ug/l   | 99     |
| 18) Methyl Acetate           | 2.703 | 43  | 2775  | 1.015 | ug/l   | 97     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 5162  | 0.828 | ug/l   | 94     |
| 20) Methylene Chloride       | 2.782 | 84  | 2099  | 1.054 | ug/l # | 73     |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 1624  | 0.916 | ug/l   | 97     |
| 22) Diisopropyl ether        | 3.751 | 45  | 4882  | 0.814 | ug/l # | 30     |
| 23) Vinyl Acetate            | 3.727 | 43  | 18541 | 3.613 | ug/l   | 98     |
| 24) 1,1-Dichloroethane       | 3.593 | 63  | 2919  | 0.844 | ug/l # | 94     |
| 25) 2-Butanone               | 4.581 | 43  | 6676  | 4.408 | ug/l   | 92     |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 2687  | 0.860 | ug/l   | 86     |
| 27) cis-1,2-Dichloroethene   | 4.495 | 96  | 2007  | 0.916 | ug/l   | 89     |
| 28) Bromochloromethane       | 4.904 | 49  | 1494m | 0.981 | ug/l   |        |
| 29) Tetrahydrofuran          | 5.013 | 42  | 4264  | 4.593 | ug/l   | 95     |
| 30) Chloroform               | 5.093 | 83  | 3187  | 0.856 | ug/l # | 76     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 2600  | 0.810 | ug/l # | 46     |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 1993  | 0.859 | ug/l # | 80     |
| 37) Ethyl Acetate            | 4.733 | 43  | 2692m | 0.935 | ug/l   |        |
| 38) Carbon Tetrachloride     | 5.660 | 117 | 2287  | 0.877 | ug/l # | 78     |
| 39) Methylcyclohexane        | 7.379 | 83  | 2835  | 0.941 | ug/l   | 90     |
| 40) Benzene                  | 6.032 | 78  | 6312  | 0.873 | ug/l # | 84     |
| 41) Methacrylonitrile        | 4.934 | 41  | 1141m | 0.774 | ug/l   |        |
| 42) 1,2-Dichloroethane       | 6.086 | 62  | 2602  | 0.896 | ug/l   | 84     |
| 43) Isopropyl Acetate        | 6.355 | 43  | 3881  | 0.847 | ug/l # | 90     |
| 44) Trichloroethene          | 7.123 | 130 | 2850  | 1.393 | ug/l   | 82     |
| 45) 1,2-Dichloropropane      | 7.428 | 63  | 1503  | 0.849 | ug/l   | 100    |

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

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

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

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.580  | 93   | 1246     | 0.890  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 1819     | 0.724  | ug/l # | 93       |
| 48) Methyl methacrylate       | 7.702  | 41   | 2017m    | 0.917  | ug/l   |          |
| 49) 1,4-Dioxane               | 7.671  | 88   | 613      | 16.166 | ug/l # | 50       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 11392    | 4.073  | ug/l   | 96       |
| 52) Toluene                   | 8.714  | 92   | 3313     | 0.766  | ug/l   | 82       |
| 53) t-1,3-Dichloropropene     | 8.988  | 75   | 1776     | 0.694  | ug/l # | 86       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 2132     | 0.759  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 1496     | 0.838  | ug/l # | 85       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 1973     | 0.709  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 2502     | 0.832  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 4135     | 2.662  | ug/l   | 93       |
| 59) 2-Hexanone                | 9.439  | 43   | 7726     | 3.675  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 1296     | 0.723  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 1342     | 0.743  | ug/l # | 80       |
| 64) Tetrachloroethene         | 9.269  | 164  | 1329     | 0.924  | ug/l   | 88       |
| 65) Chlorobenzene             | 10.073 | 112  | 4585     | 0.957  | ug/l # | 86       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 1136     | 0.731  | ug/l # | 66       |
| 67) Ethyl Benzene             | 10.195 | 91   | 6890     | 0.848  | ug/l # | 86       |
| 68) m/p-Xylenes               | 10.305 | 106  | 5324     | 1.758  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 2370     | 0.801  | ug/l   | 95       |
| 70) Styrene                   | 10.665 | 104  | 3751     | 0.767  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 632      | 1.756  | ug/l # | 87       |
| 73) Isopropylbenzene          | 10.964 | 105  | 6379     | 0.894  | ug/l   | 94       |
| 74) N-amyl acetate            | 10.848 | 43   | 2319     | 0.701  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 2224     | 0.910  | ug/l   | 83       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 1603m    | 0.801  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 1475     | 0.866  | ug/l   | 94       |
| 78) n-propylbenzene           | 11.305 | 91   | 6810     | 0.854  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 4618     | 0.916  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 5022     | 0.855  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 4940     | 0.868  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 4794     | 0.824  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 4748     | 0.812  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 5787     | 0.812  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 4187     | 0.723  | ug/l   | 87       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 2934     | 0.946  | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 3212m    | 1.020  | ug/l   |          |
| 89) n-Butylbenzene            | 12.335 | 91   | 3522     | 0.690  | ug/l   | 93       |
| 90) Hexachloroethane          | 12.536 | 117  | 835      | 0.848  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 2796     | 0.893  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.957 | 75   | 395      | 0.807  | ug/l   | 65       |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180  | 1576     | 0.854  | ug/l   | 78       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 709      | 0.972  | ug/l   | 89       |
| 95) Naphthalene               | 13.780 | 128  | 4837     | 0.728  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 1398     | 0.749  | ug/l   | 81       |

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

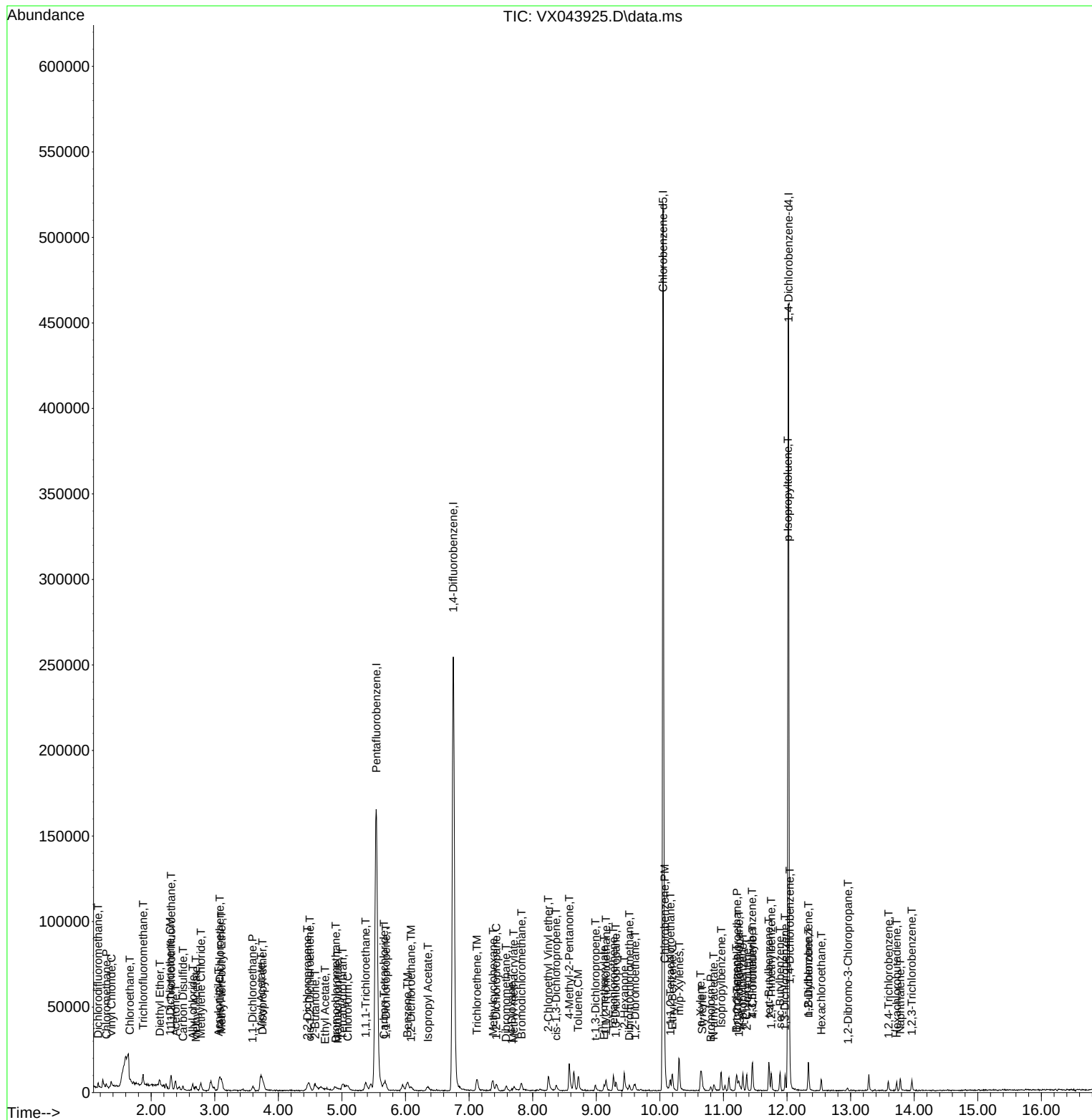
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043925.D
Acq On    : 21 Nov 2024   09:47
Operator  : JC/MD
Sample    : VSTDICC001
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 12   Sample Multiplier: 1
```

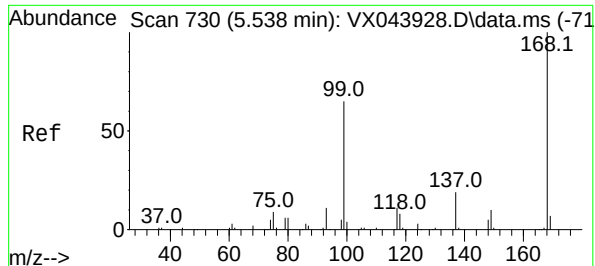
**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC001

Quant Time: Nov 22 03:27:42 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

## Manual Integrations APPROVED

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 730

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:168 Resp: 148984

Ion Ratio Lower Upper

168 100

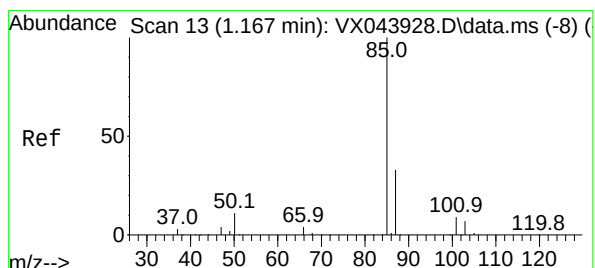
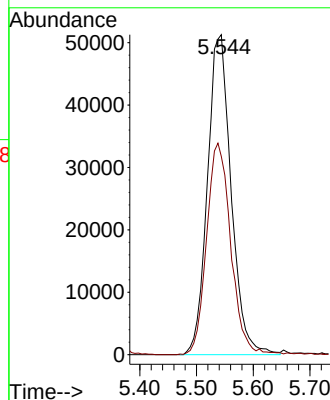
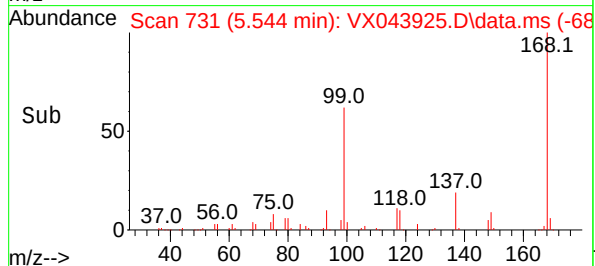
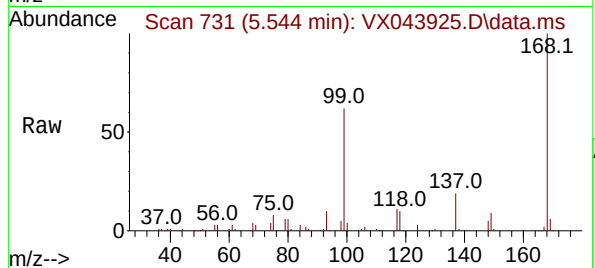
99 61.8 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#2

Dichlorodifluoromethane

Concen: 1.001 ug/l

RT: 1.167 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043925.D

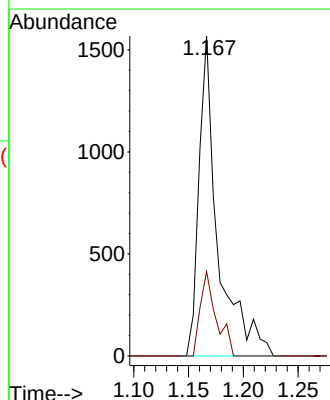
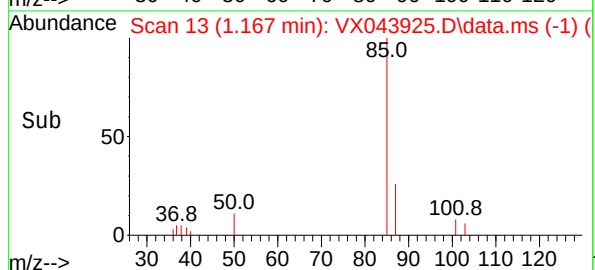
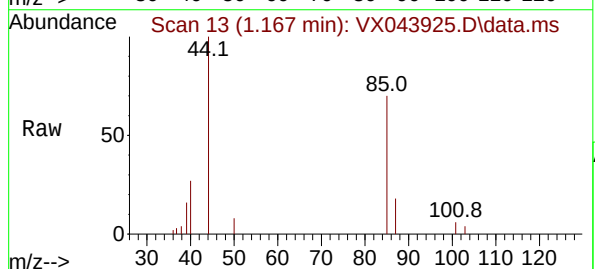
Acq: 21 Nov 2024 09:47

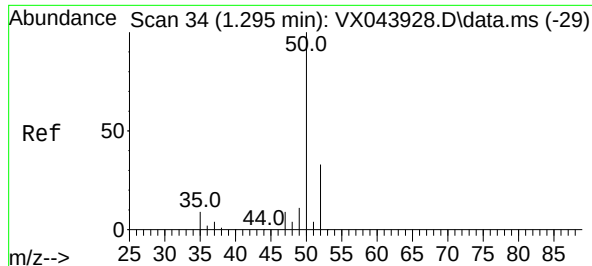
Tgt Ion: 85 Resp: 1889

Ion Ratio Lower Upper

85 100

87 26.4 16.6 49.8





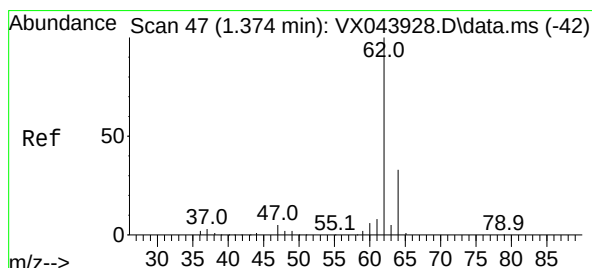
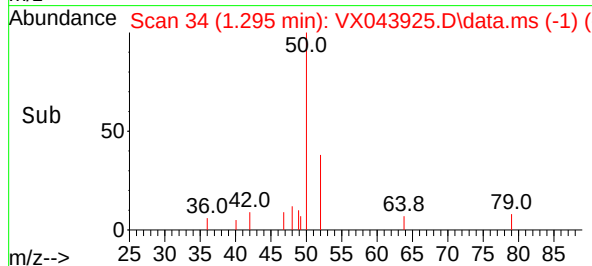
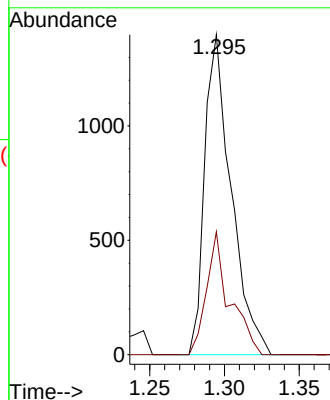
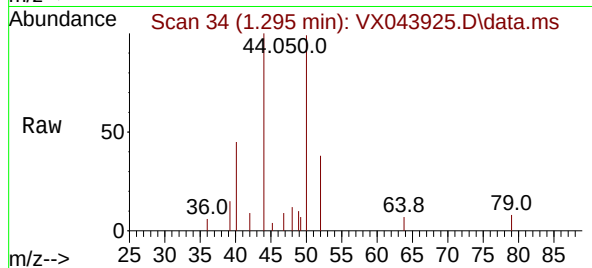
#3  
Chloromethane  
Concen: 0.868 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 50 Resp: 1723  
Ion Ratio Lower Upper  
50 100  
52 38.4 26.1 39.1

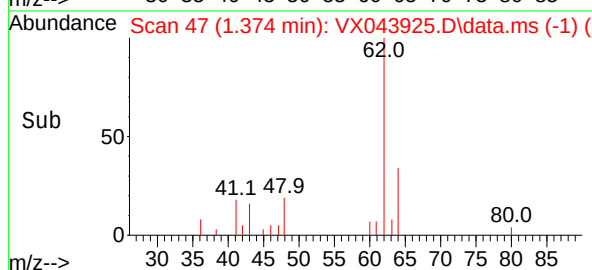
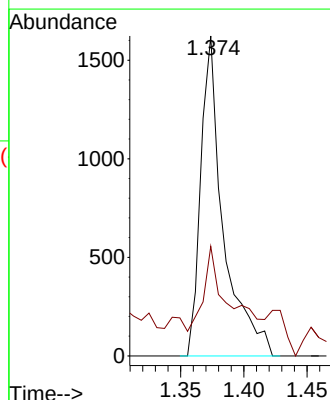
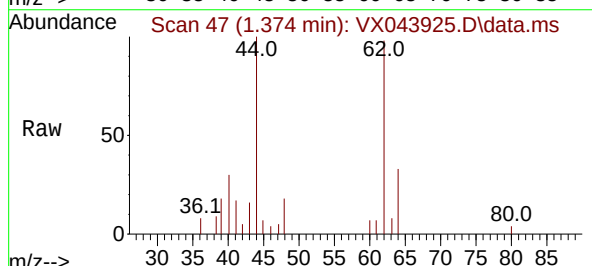
Manual Integrations  
APPROVED

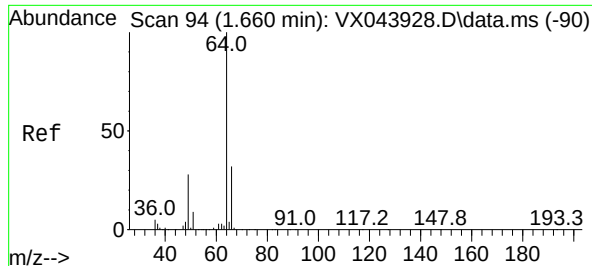
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#4  
Vinyl Chloride  
Concen: 0.951 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

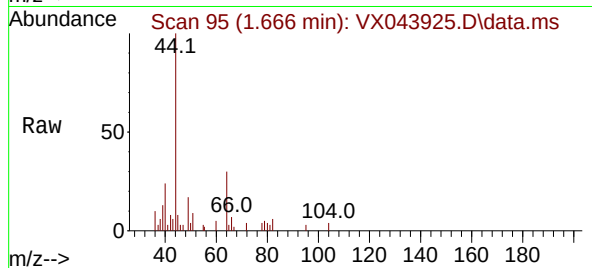
Tgt Ion: 62 Resp: 2010  
Ion Ratio Lower Upper  
62 100  
64 22.4 26.2 39.4#





#6  
Chloroethane  
Concen: 1.339 ug/l  
RT: 1.666 min Scan# 94  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

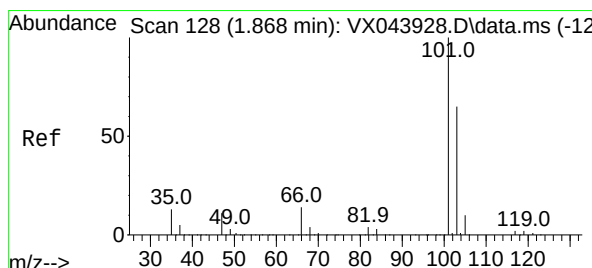
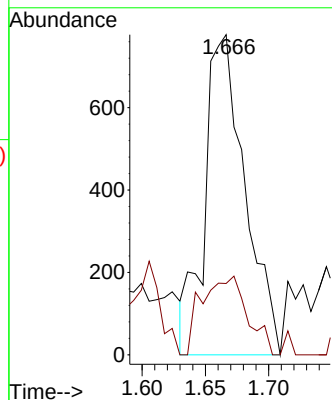
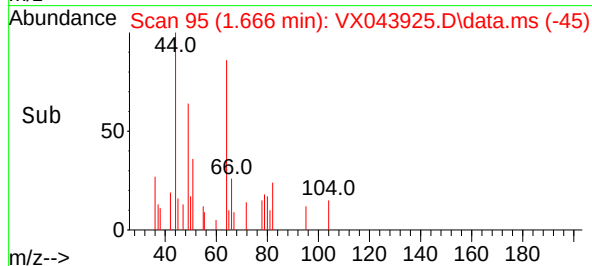
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001



Tgt Ion: 64 Resp: 1724  
Ion Ratio Lower Upper  
64 100  
66 22.3 25.9 38.9

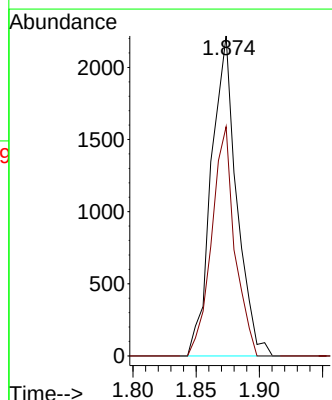
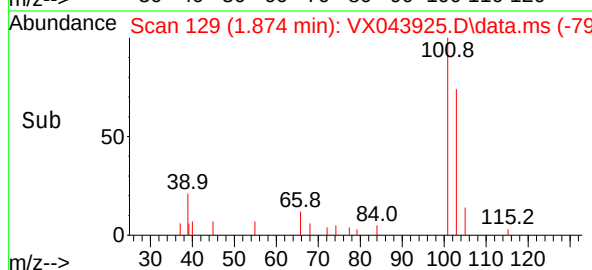
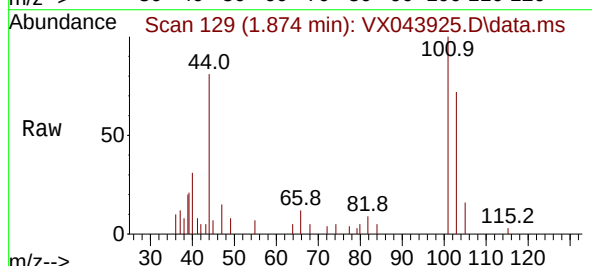
Manual Integrations  
APPROVED

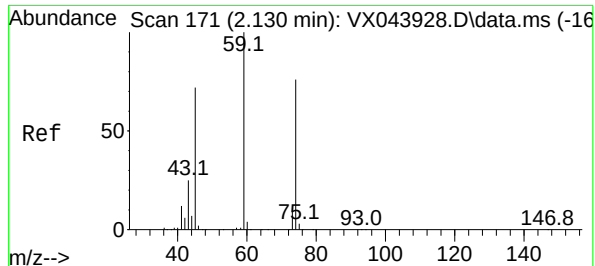
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#7  
Trichlorofluoromethane  
Concen: 0.819 ug/l  
RT: 1.874 min Scan# 129  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion:101 Resp: 3093  
Ion Ratio Lower Upper  
101 100  
103 71.6 52.2 78.2





#8

Diethyl Ether

Concen: 1.032 ug/l

RT: 2.136 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 74 Resp: 142

Ion Ratio Lower Upper

74 100

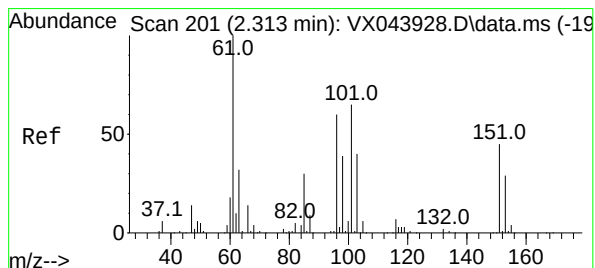
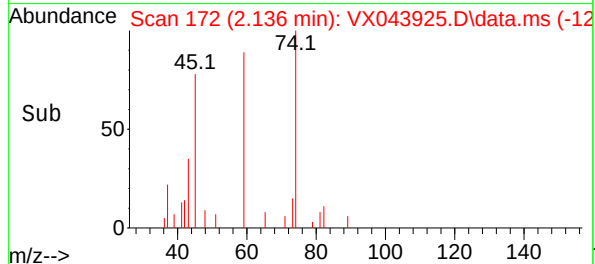
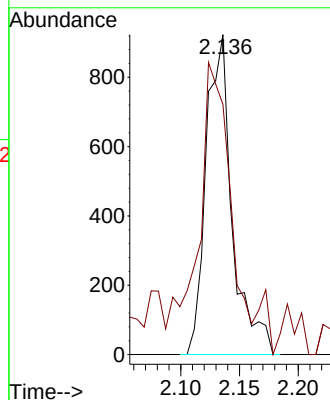
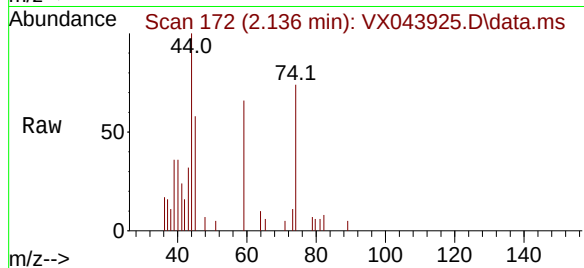
45 120.1 47.9 143.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.979 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

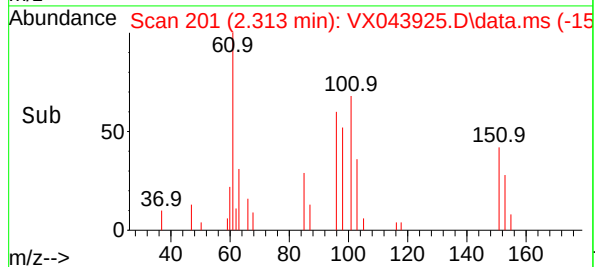
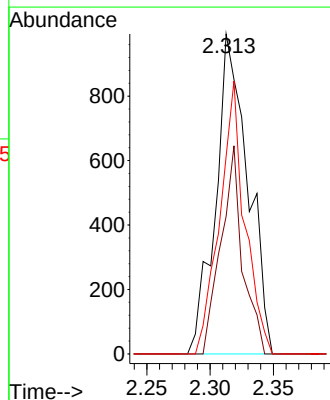
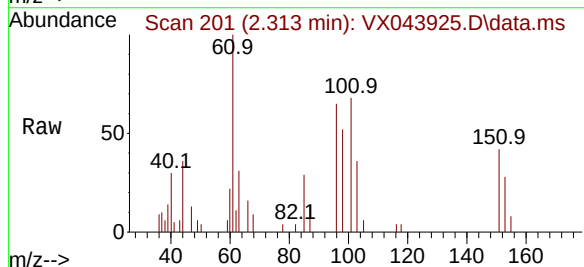
Tgt Ion:101 Resp: 1764

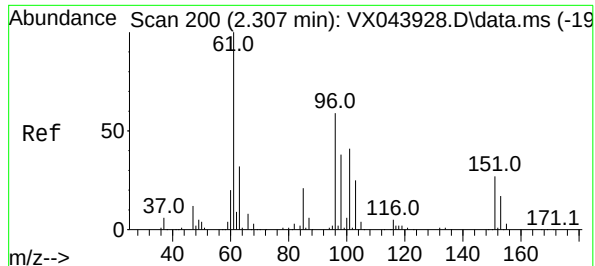
Ion Ratio Lower Upper

101 100

85 43.5 37.9 56.9

151 66.1 57.5 86.3





#12

1,1-Dichloroethene

Concen: 1.034 ug/l

RT: 2.300 min Scan# 199

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 96 Resp: 1779

Ion Ratio Lower Upper

96 100

61 115.9 135.5 203.3

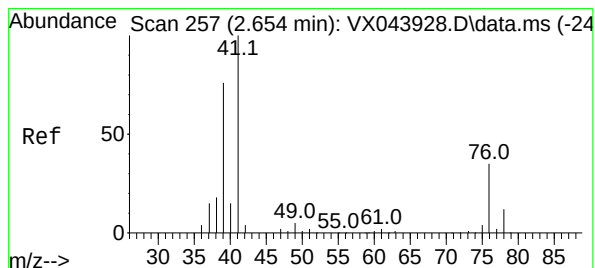
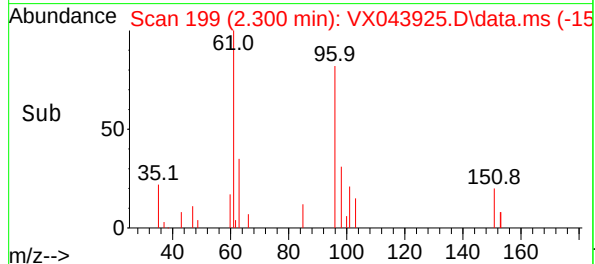
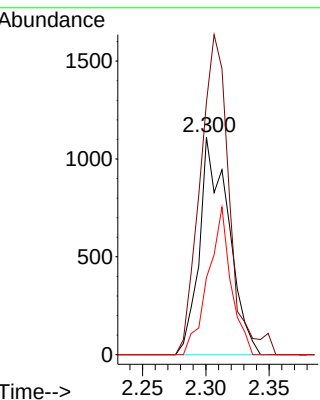
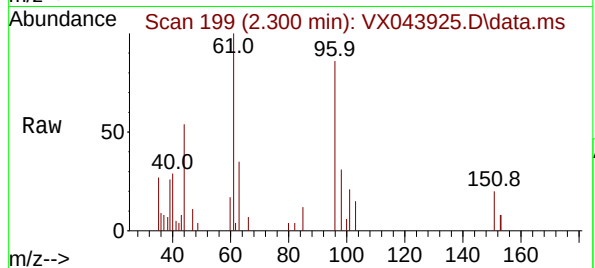
98 35.4 50.8 76.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 0.845 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

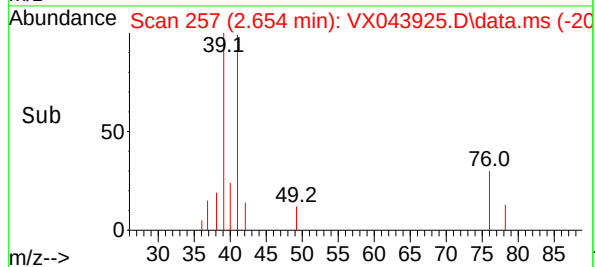
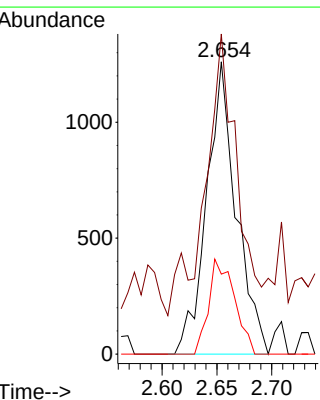
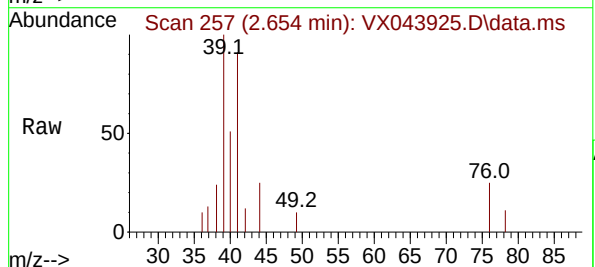
Tgt Ion: 41 Resp: 2371

Ion Ratio Lower Upper

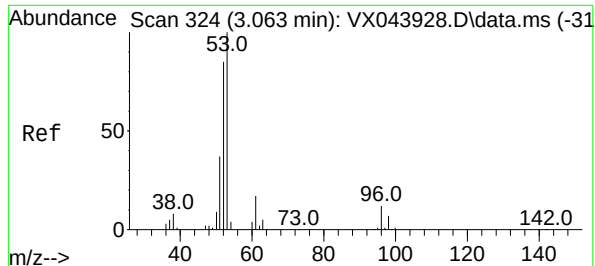
41 100

39 85.9 59.5 89.3

76 28.3 27.4 41.2







#15

Acrylonitrile

Concen: 4.485 ug/l

RT: 3.063 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 53 Resp: 4483

Ion Ratio Lower Upper

53 100

52 80.0 66.5 99.7

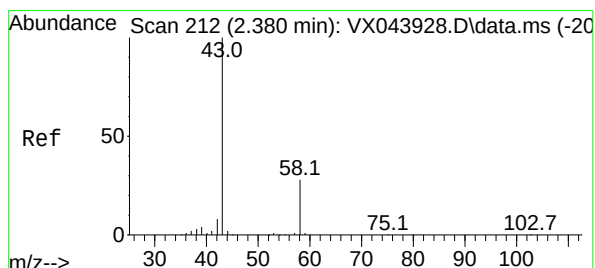
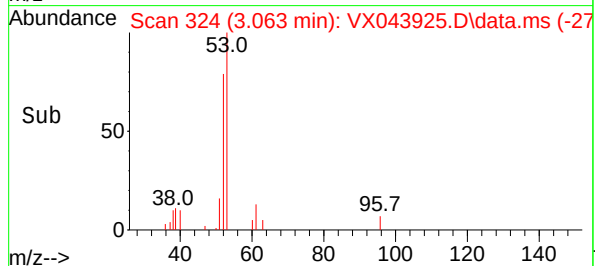
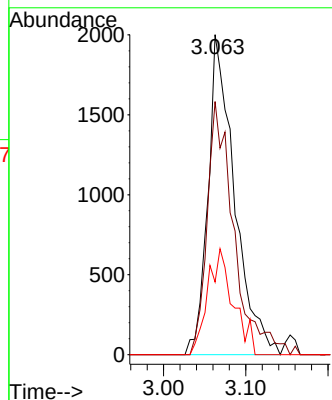
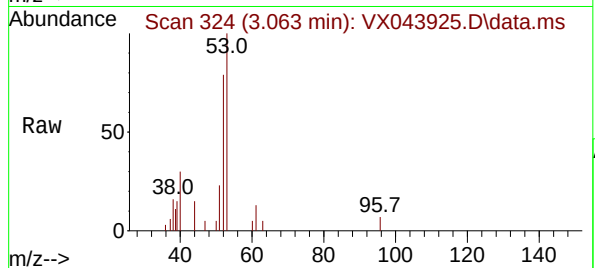
51 31.9 30.2 45.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 5.093 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043925.D

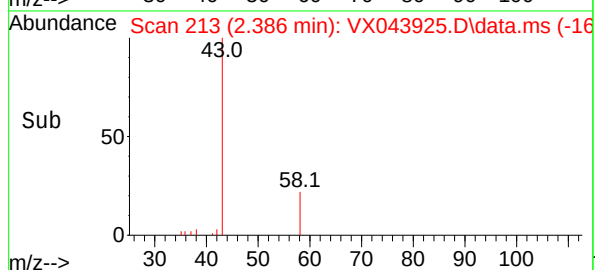
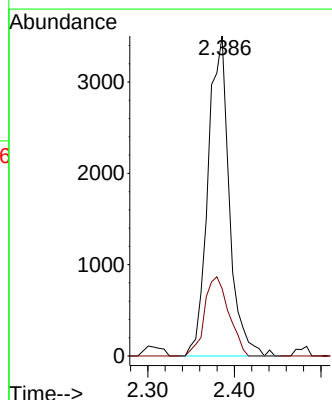
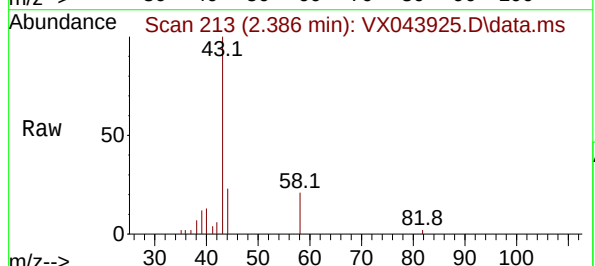
Acq: 21 Nov 2024 09:47

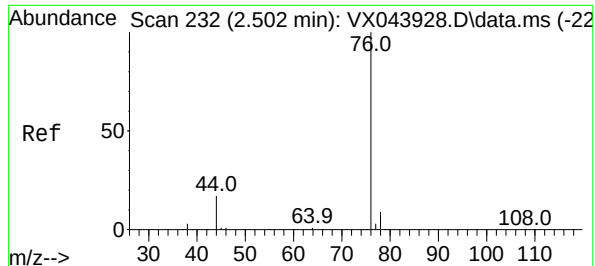
Tgt Ion: 43 Resp: 5977

Ion Ratio Lower Upper

43 100

58 21.1 22.7 34.1#





#17

Carbon Disulfide

Concen: 0.910 ug/l

RT: 2.502 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 76 Resp: 322

Ion Ratio Lower Upper

76 100

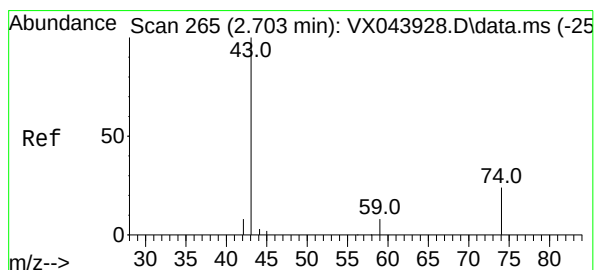
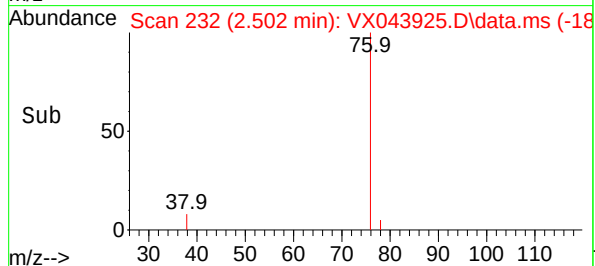
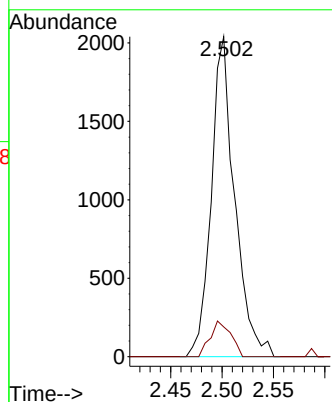
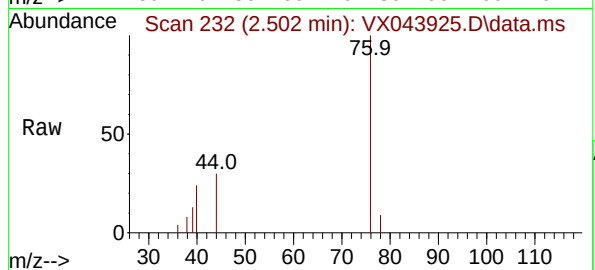
78 9.3 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 1.015 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043925.D

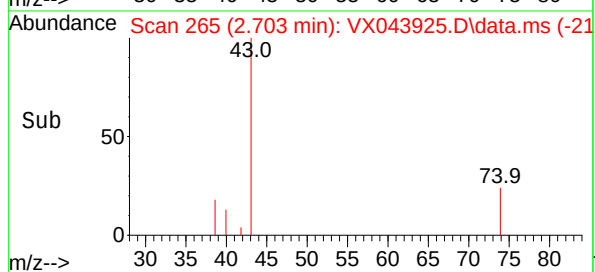
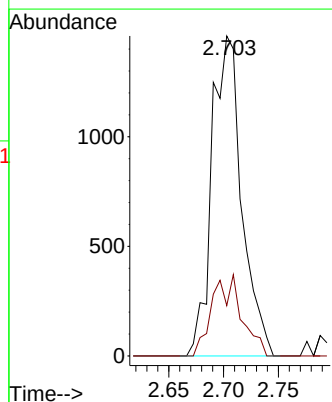
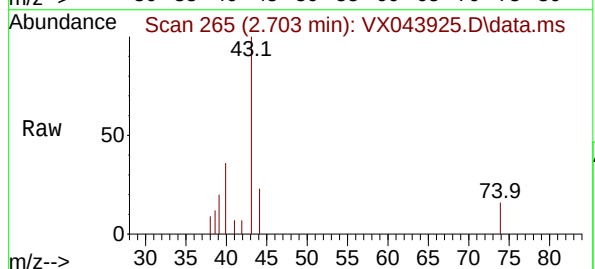
Acq: 21 Nov 2024 09:47

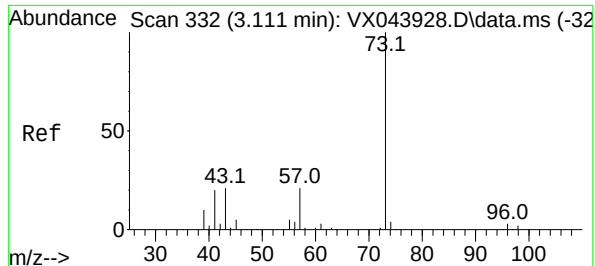
Tgt Ion: 43 Resp: 2775

Ion Ratio Lower Upper

43 100

74 24.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 0.828 ug/l

RT: 3.105 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 73 Resp: 5162

Ion Ratio Lower Upper

73 100

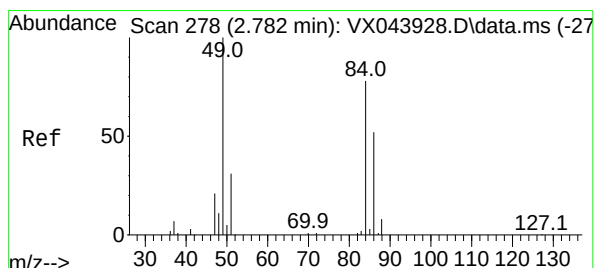
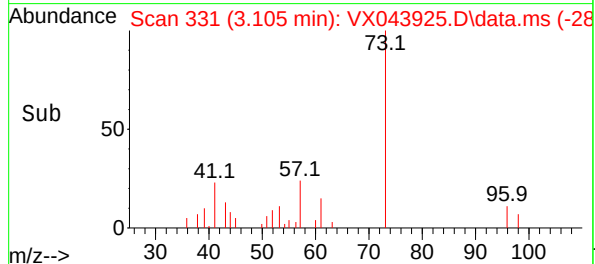
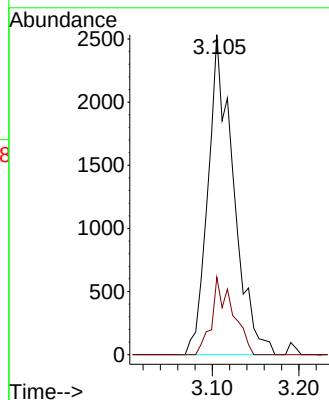
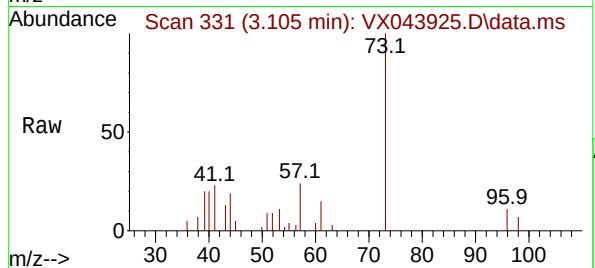
57 24.3 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 1.054 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

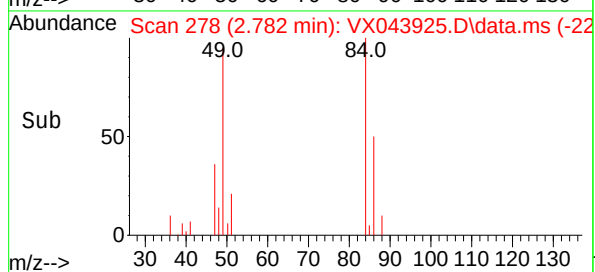
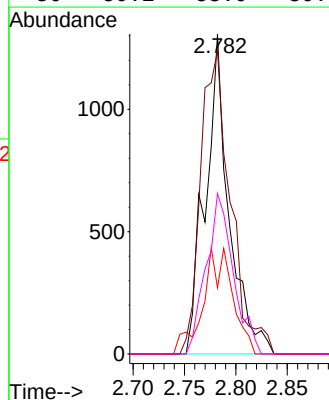
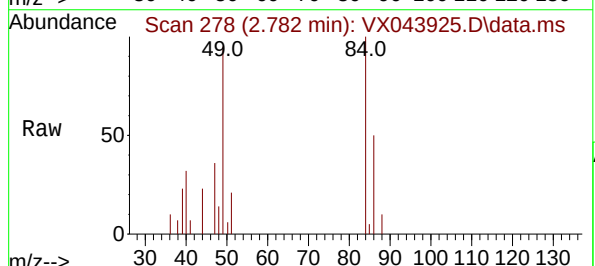
Ion Ratio Lower Upper

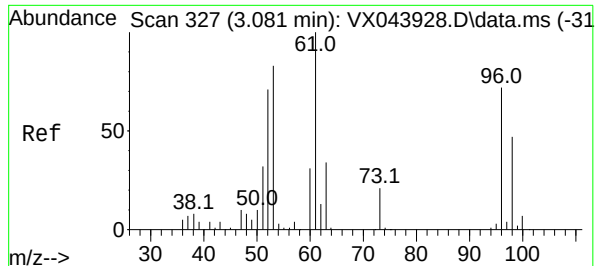
84 100

49 94.8 102.7 154.1#

51 20.7 31.7 47.5#

86 50.2 53.9 80.9#





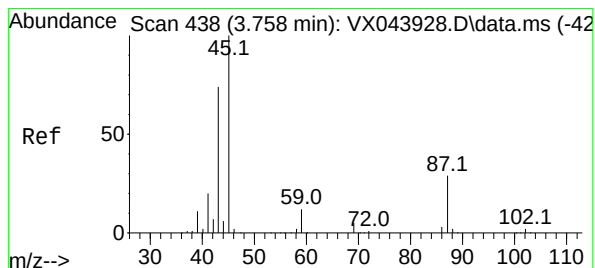
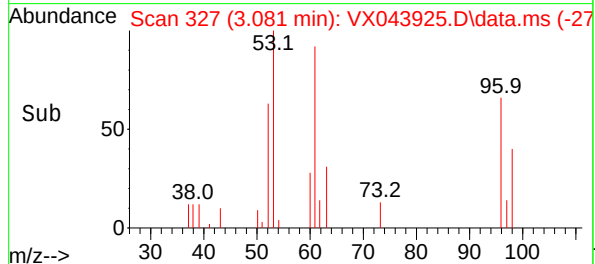
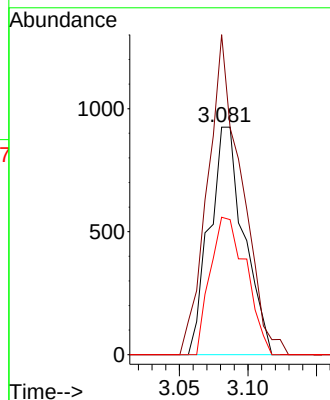
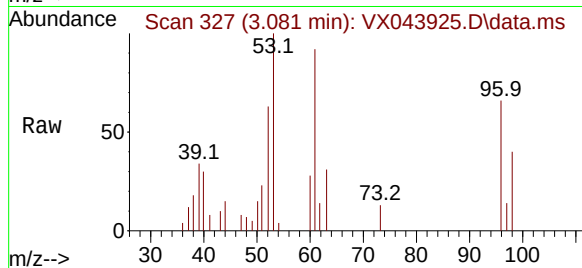
#21  
trans-1,2-Dichloroethene  
Concen: 0.916 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 96 Resp: 1624  
Ion Ratio Lower Upper  
96 100  
61 140.6 111.8 167.6  
98 60.4 52.7 79.1

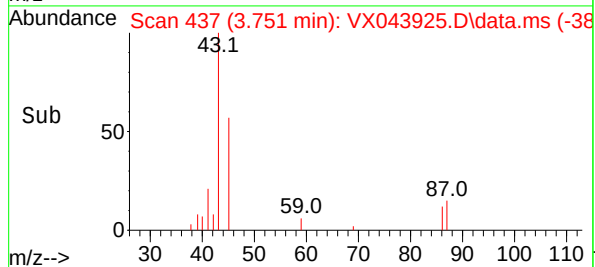
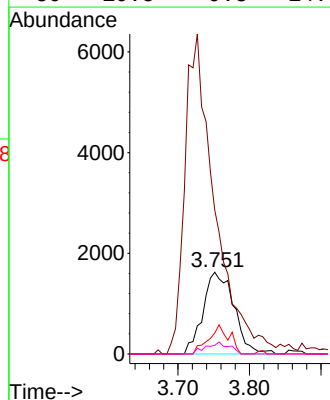
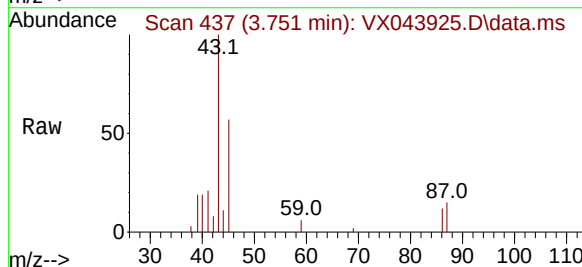
Manual Integrations  
APPROVED

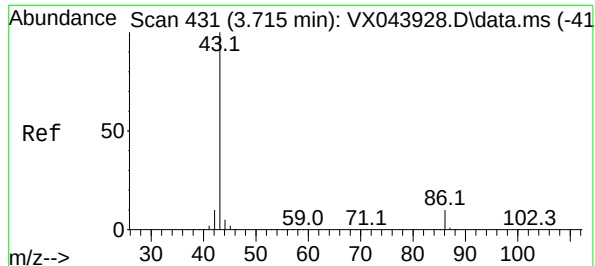
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#22  
Diisopropyl ether  
Concen: 0.814 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882  
Ion Ratio Lower Upper  
45 100  
43 164.2 59.6 89.4#  
87 25.6 22.9 34.3  
59 10.5 9.8 14.6





#23

Vinyl Acetate

Concen: 3.613 ug/l

RT: 3.727 min Scan# 411

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 1854

Ion Ratio Lower Upper

43 100

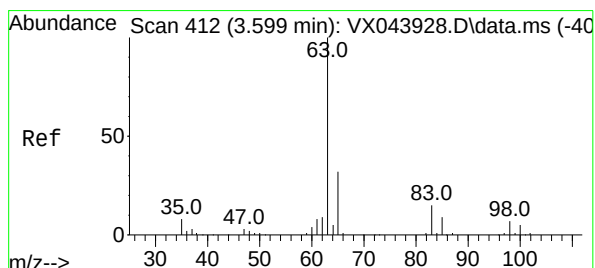
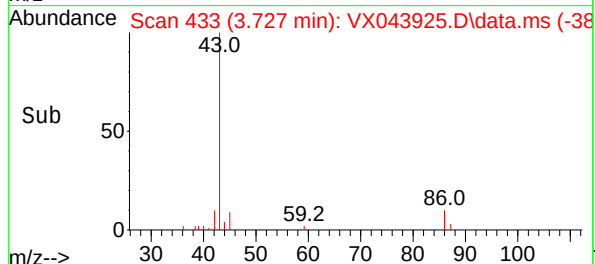
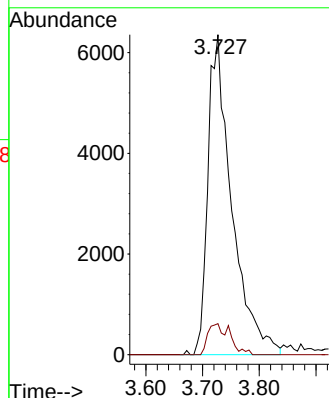
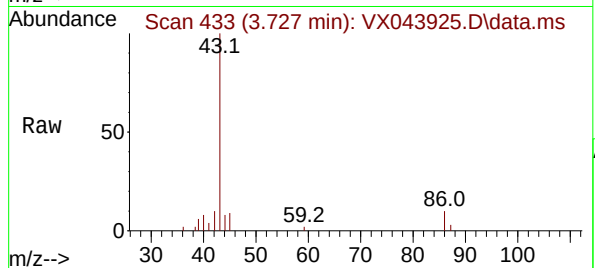
86 9.7 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 0.844 ug/l

RT: 3.593 min Scan# 411

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

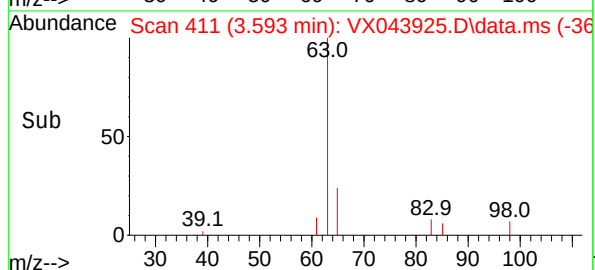
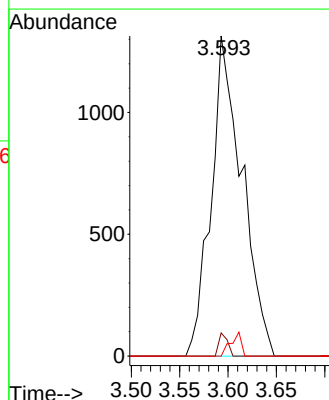
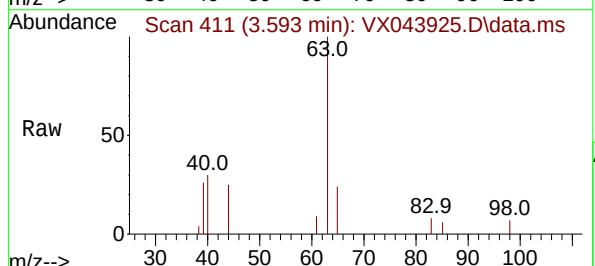
Tgt Ion: 63 Resp: 2919

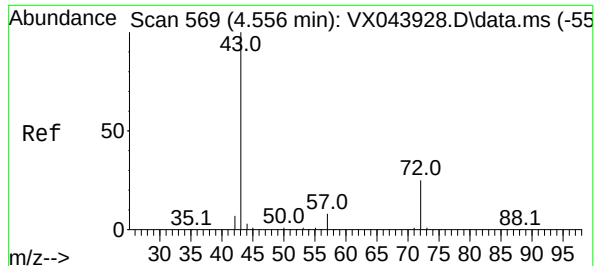
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 0.0 2.4 7.1#





#25

2-Butanone

Concen: 4.408 ug/l

RT: 4.581 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 43 Resp: 667

Ion Ratio Lower Upper

43 100

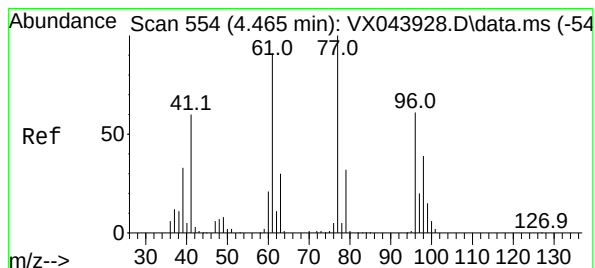
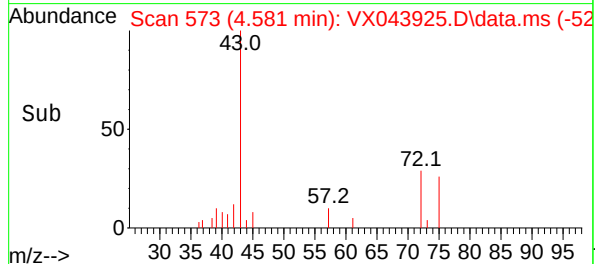
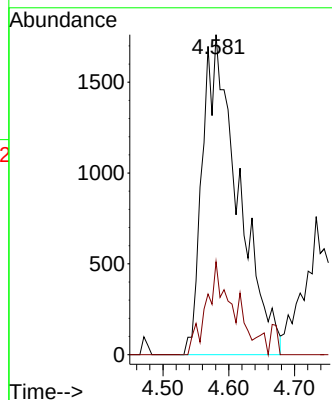
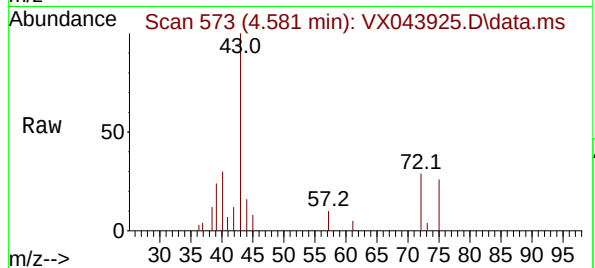
72 29.1 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 0.860 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX043925.D

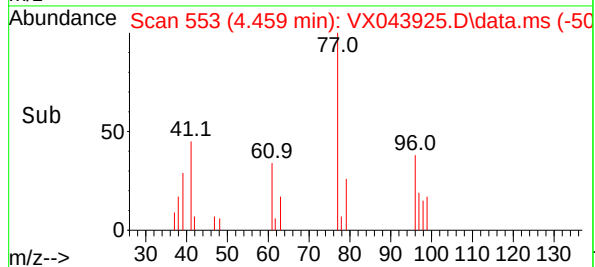
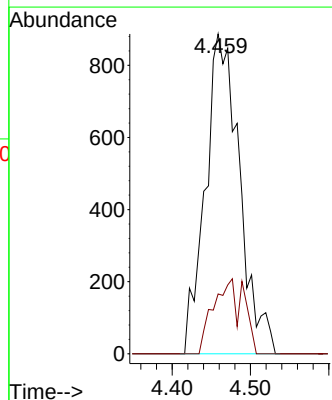
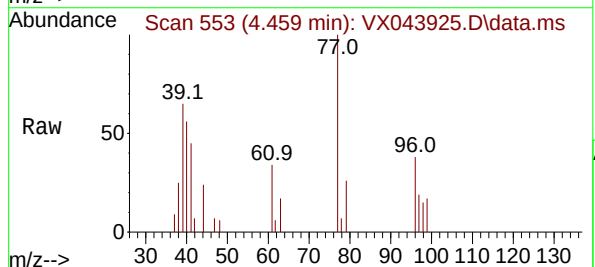
Acq: 21 Nov 2024 09:47

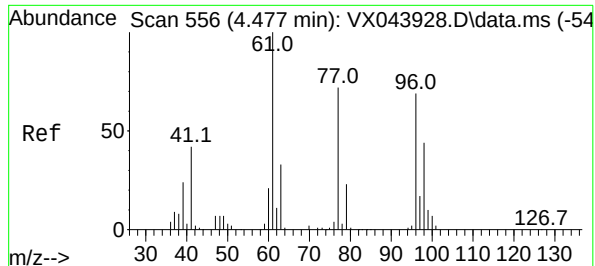
Tgt Ion: 77 Resp: 2687

Ion Ratio Lower Upper

77 100

97 15.1 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 0.916 ug/l

RT: 4.495 min Scan# 559

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

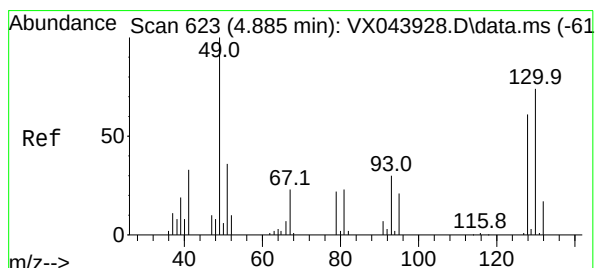
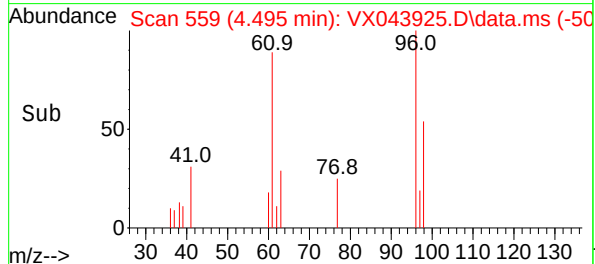
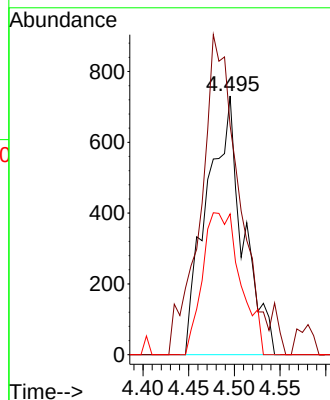
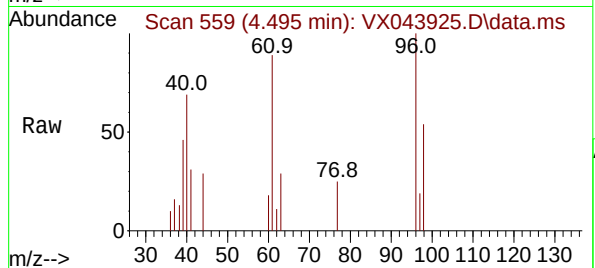
VSTDIC001

|             |                 |
|-------------|-----------------|
| Tgt Ion: 96 | Resp: 200       |
| Ion Ratio   | Lower Upper     |
| 96          | 100             |
| 61          | 133.7 0.0 297.4 |
| 98          | 57.8 0.0 127.8  |

Manual Integrations

APPROVED

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



#28

Bromochloromethane

Concen: 0.981 ug/l m

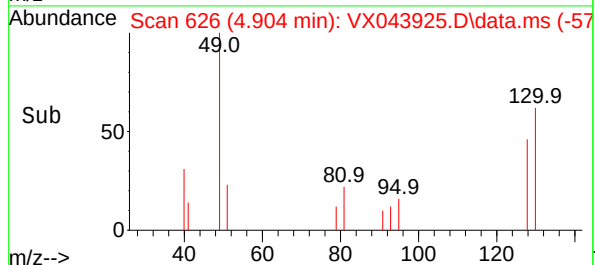
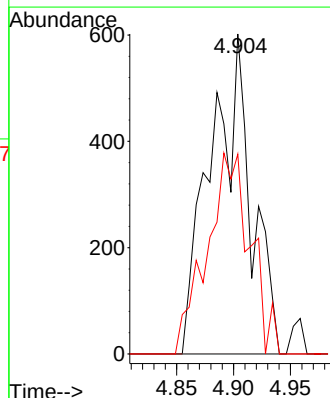
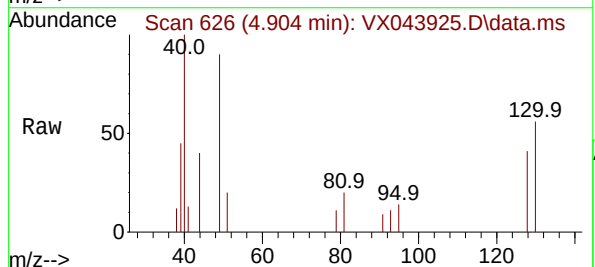
RT: 4.904 min Scan# 626

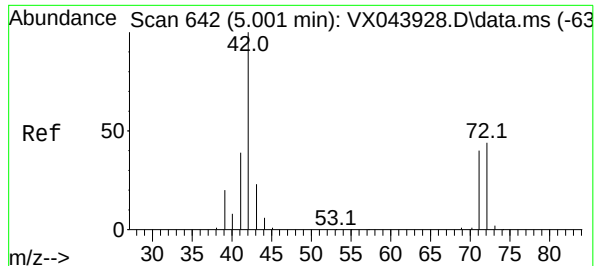
Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|             |                |
|-------------|----------------|
| Tgt Ion: 49 | Resp: 1494     |
| Ion Ratio   | Lower Upper    |
| 49          | 100            |
| 129         | 0.0 0.0 4.0    |
| 130         | 66.9 59.0 88.6 |





#29

Tetrahydrofuran

Concen: 4.593 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 42 Resp: 4264

Ion Ratio Lower Upper

42 100

72 44.5 36.4 54.6

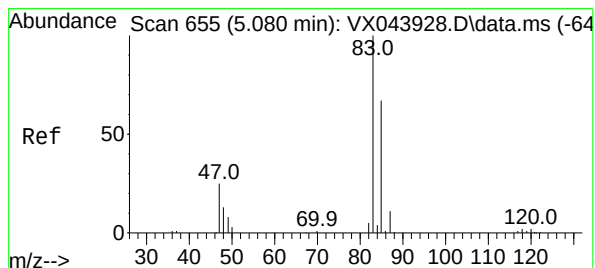
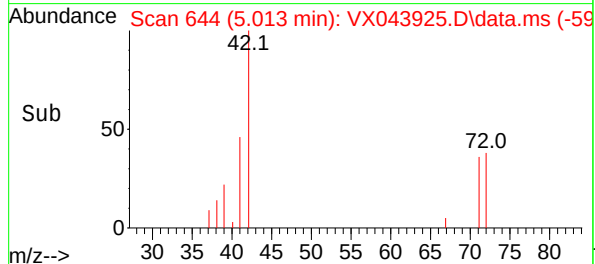
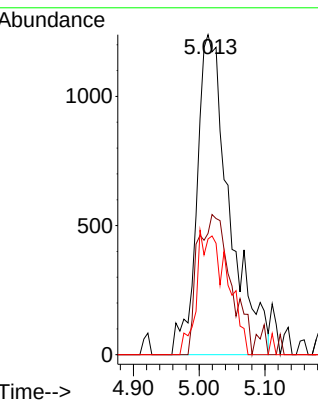
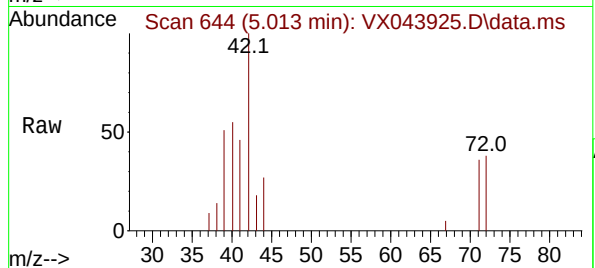
71 36.6 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 0.856 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX043925.D

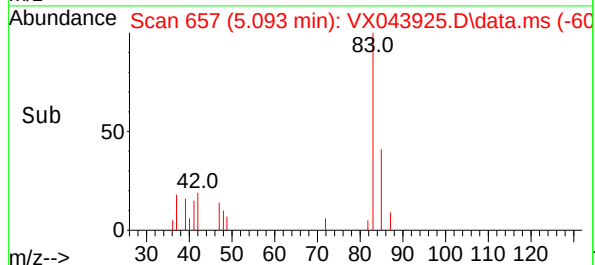
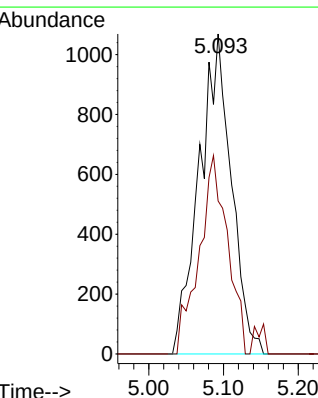
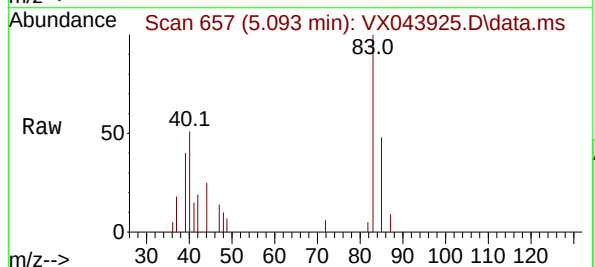
Acq: 21 Nov 2024 09:47

Tgt Ion: 83 Resp: 3187

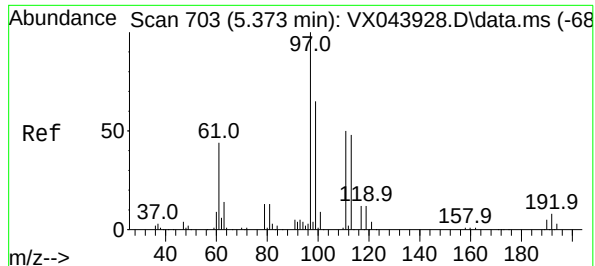
Ion Ratio Lower Upper

83 100

85 47.8 53.5 80.3#







#32

1,1,1-Trichloroethane

Concen: 0.810 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 97 Resp: 2600

Ion Ratio Lower Upper

97 100

99 0.0 50.8 76.2

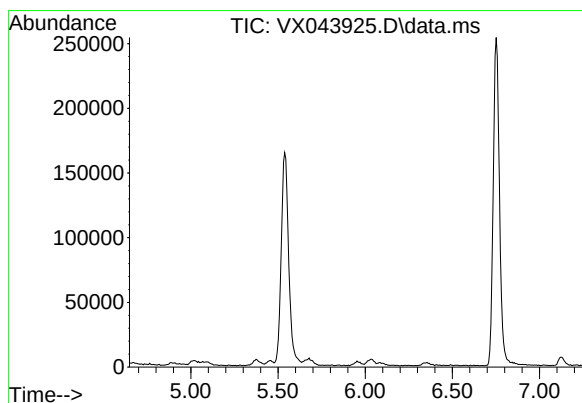
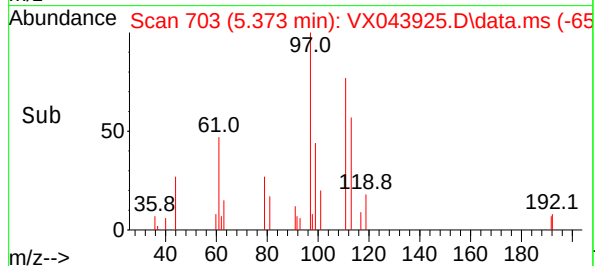
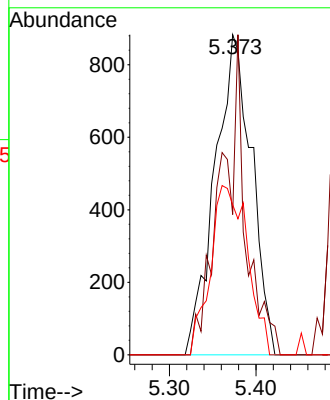
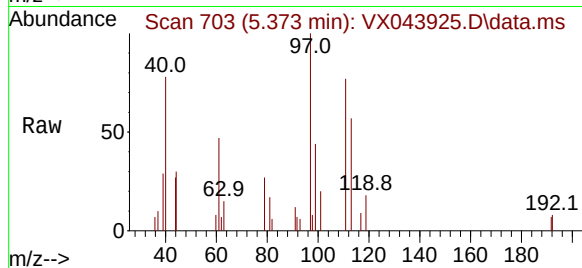
61 53.3 35.4 53.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.95 min

Lab File: VX043925.D

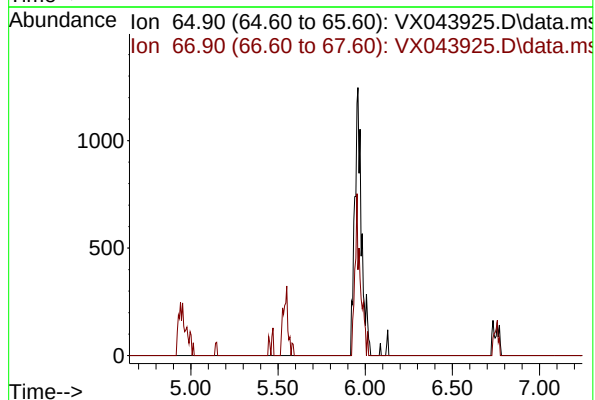
Acq: 21 Nov 2024 09:47

Tgt Ion: 65

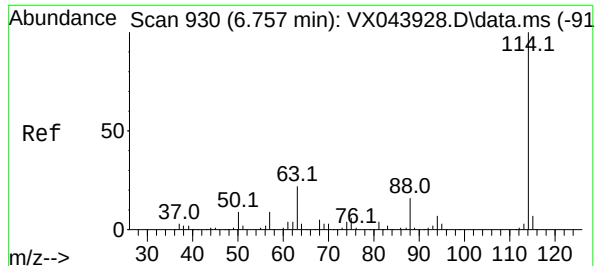
Sig Exp Ratio

65 100

67 50.4



Ion 66.90 (66.60 to 67.60): VX043925.D\data.ms



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion:114 Resp: 26056

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.0

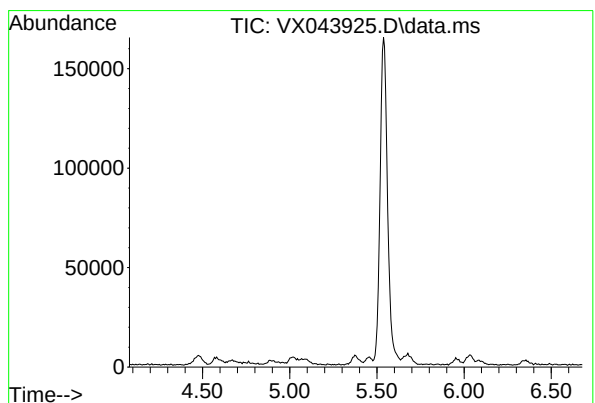
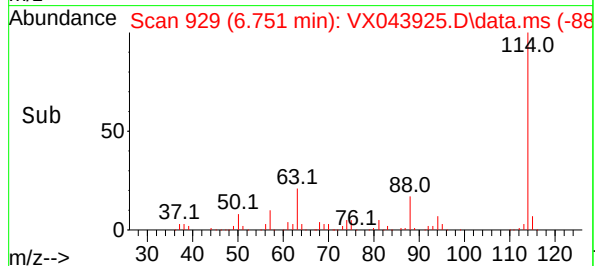
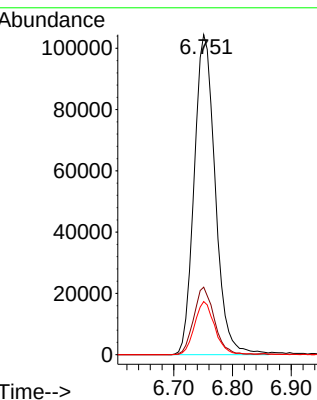
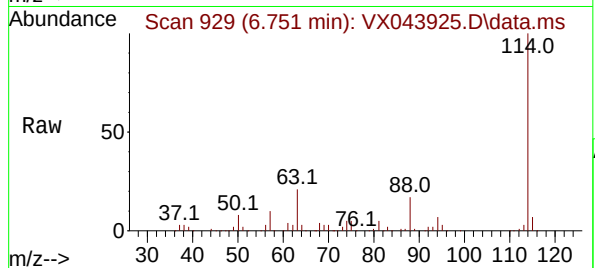
88 16.6 0.0 32.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#35

Dibromofluoromethane

Concen: 0.000 ug/l

Expected RT: 5.38 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

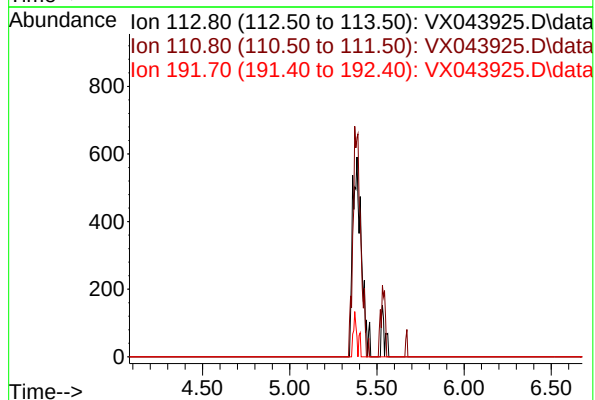
Tgt Ion: 113

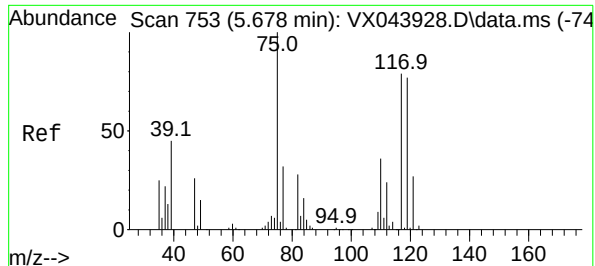
Sig Exp Ratio

113 100

111 101.2

192 16.3





#36

1,1-Dichloropropene

Concen: 0.859 ug/l

RT: 5.690 min Scan# 753

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

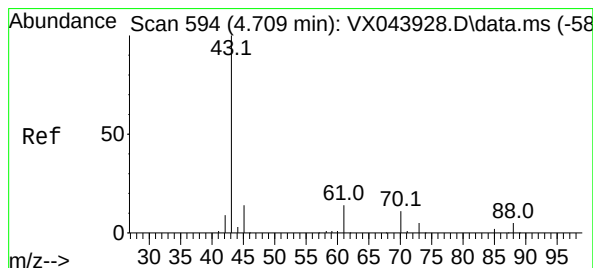
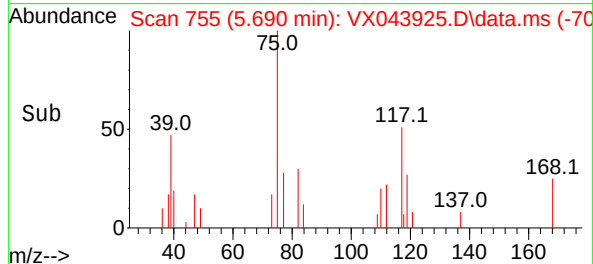
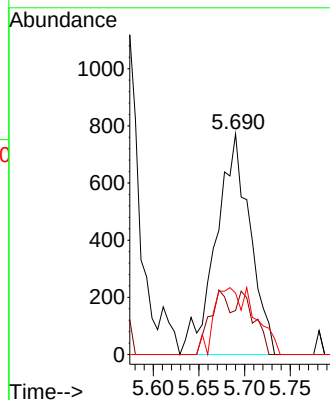
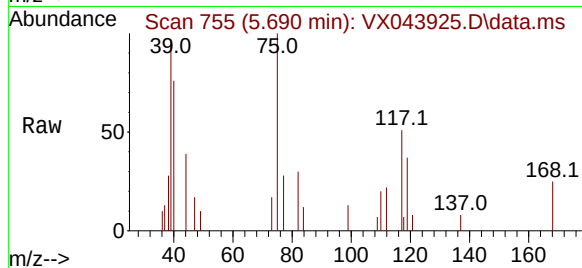
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 199   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 16.7  | 17.4  | 52.2  |
| 77       | 36.6  | 25.8  | 38.8  |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#37

Ethyl Acetate

Concen: 0.935 ug/l m

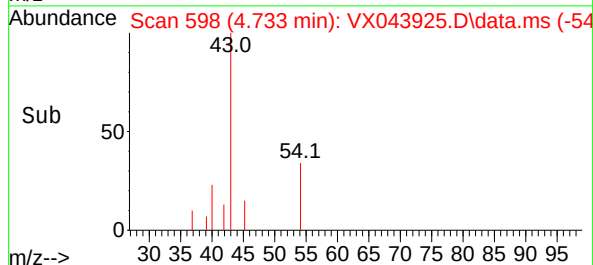
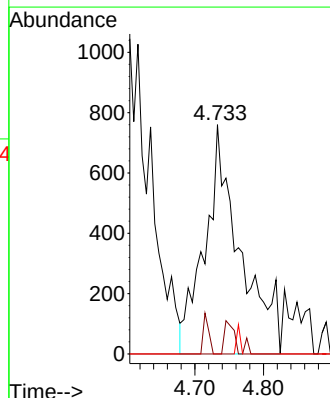
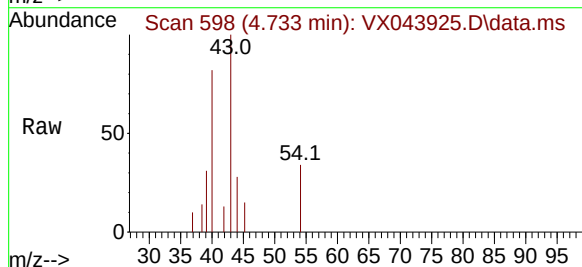
RT: 4.733 min Scan# 598

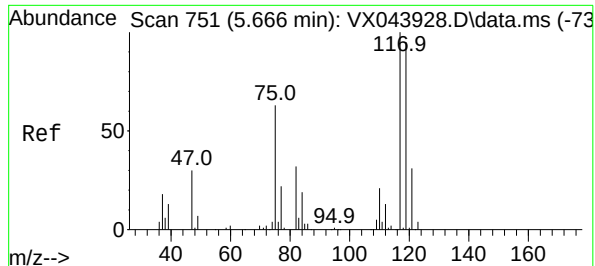
Delta R.T. 0.024 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 2692  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 3.8   | 10.7  | 16.1  |
| 70       | 0.0   | 8.0   | 12.0  |





#38

Carbon Tetrachloride

Concen: 0.877 ug/l

RT: 5.660 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:117 Resp: 228

Ion Ratio Lower Upper

117 100

119 72.4 75.2 112.8

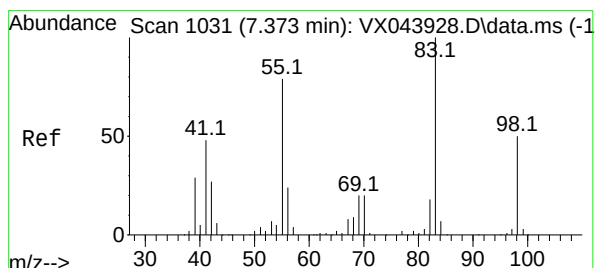
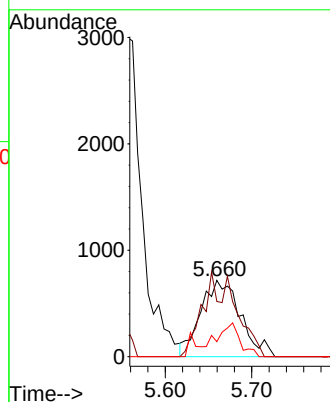
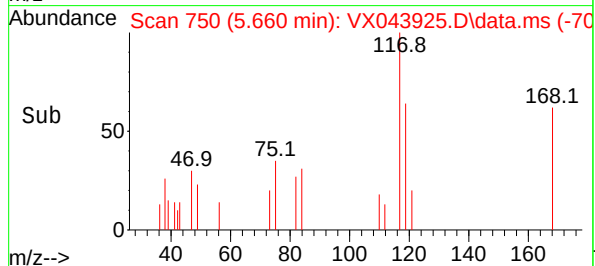
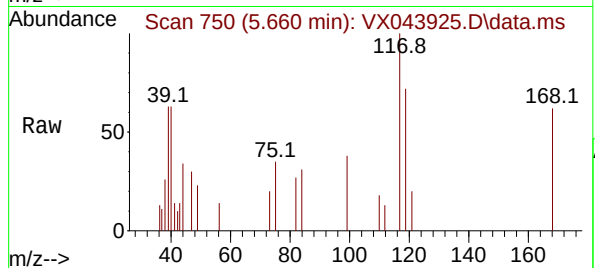
121 19.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#39

Methylcyclohexane

Concen: 0.941 ug/l

RT: 7.379 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

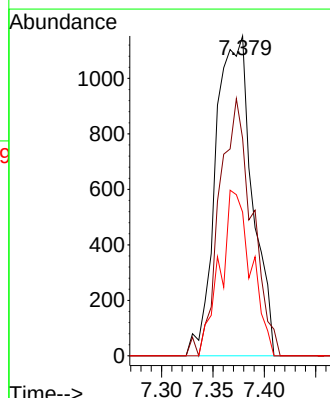
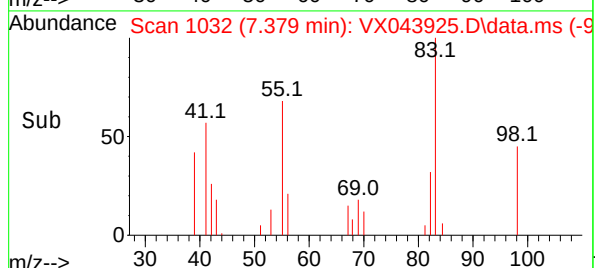
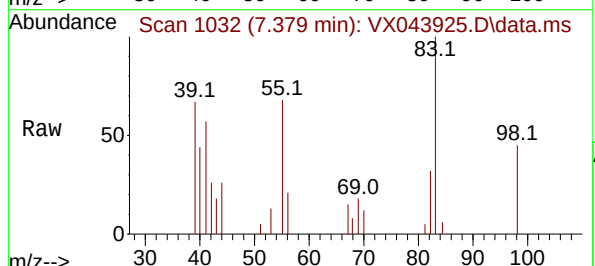
Tgt Ion: 83 Resp: 2835

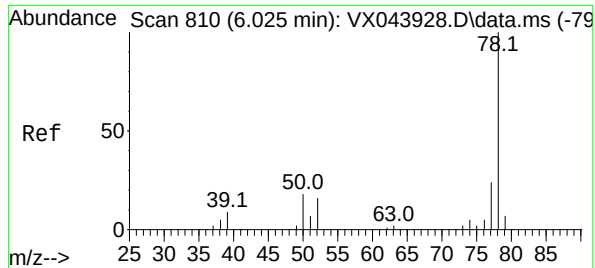
Ion Ratio Lower Upper

83 100

55 68.0 63.1 94.7

98 44.9 40.0 60.0





#40

Benzene

Concen: 0.873 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 78 Resp: 631

Ion Ratio Lower Upper

78 100

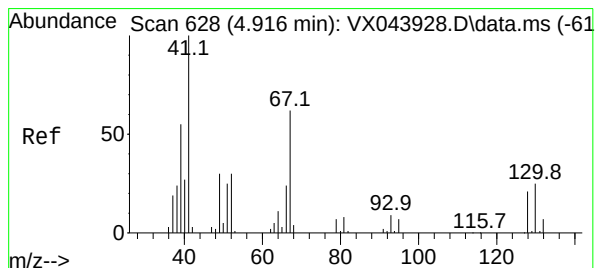
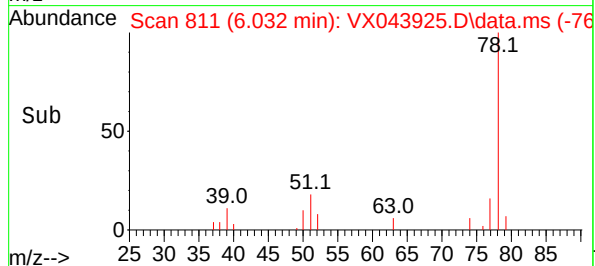
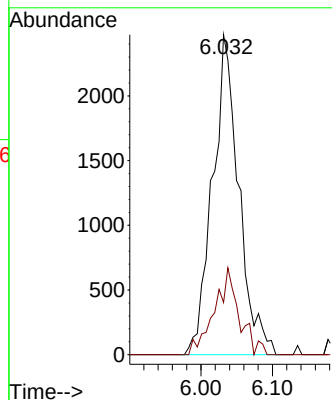
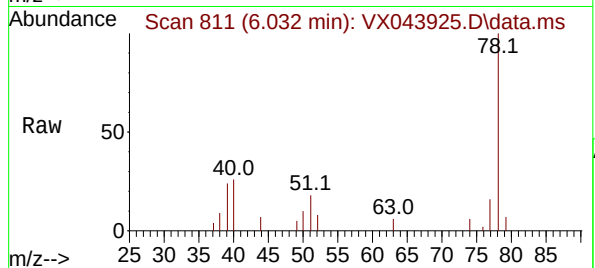
77 16.3 19.2 28.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#41

Methacrylonitrile

Concen: 0.774 ug/l m

RT: 4.934 min Scan# 631

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 41 Resp: 1141

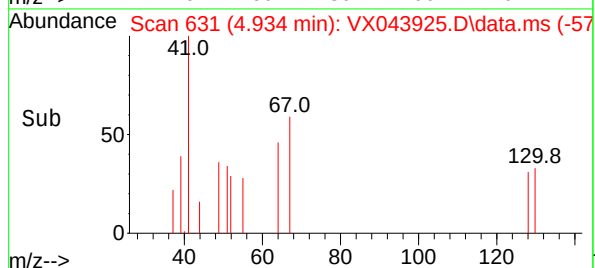
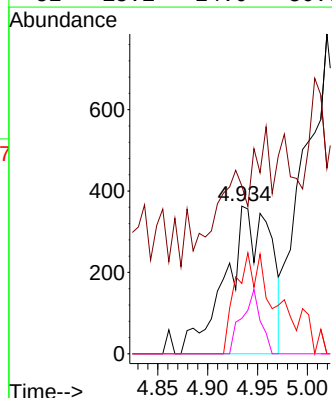
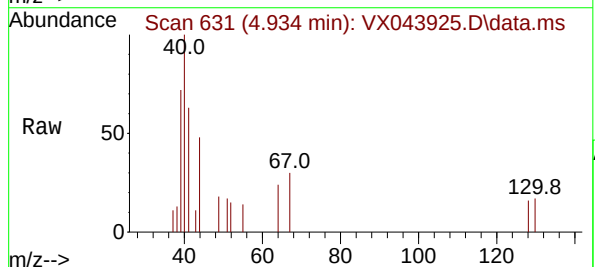
Ion Ratio Lower Upper

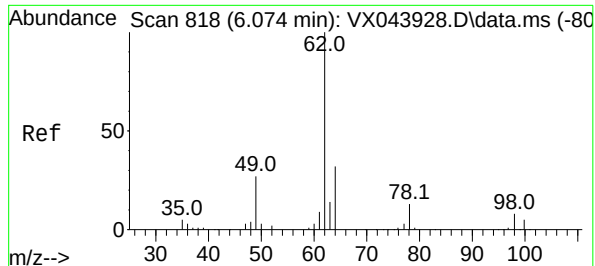
41 100

39 22.2 41.7 62.5#

67 57.0 55.8 83.8

52 18.1 24.0 36.0#





#42

1,2-Dichloroethane

Concen: 0.896 ug/l

RT: 6.086 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 62 Resp: 2602

Ion Ratio Lower Upper

62 100

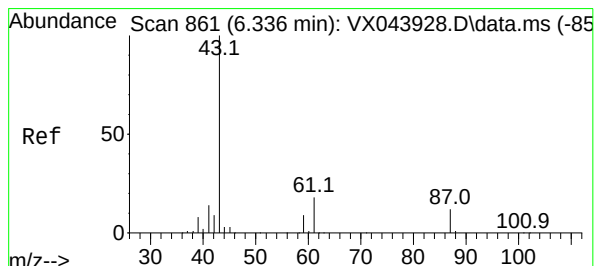
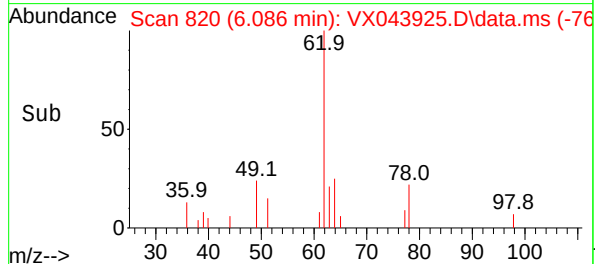
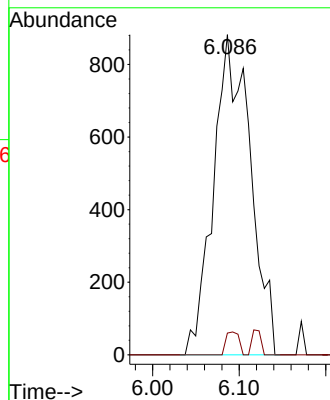
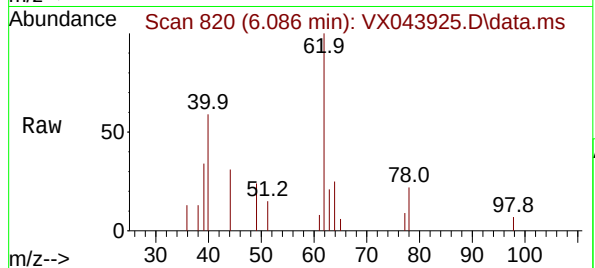
98 2.5 0.0 16.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#43

Isopropyl Acetate

Concen: 0.847 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

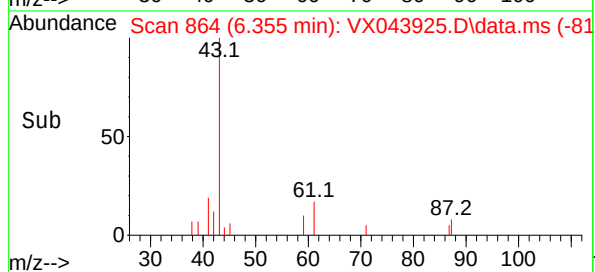
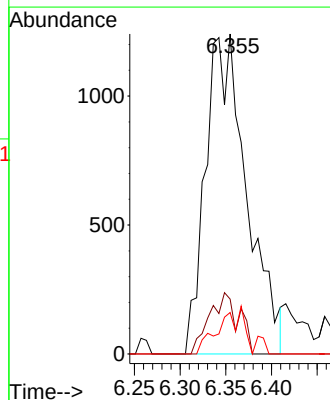
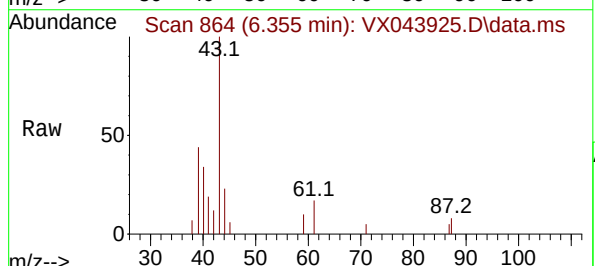
Tgt Ion: 43 Resp: 3881

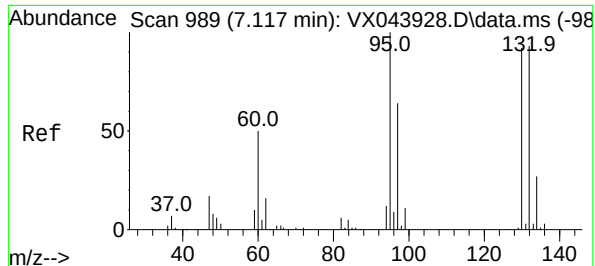
Ion Ratio Lower Upper

43 100

61 13.8 14.5 21.7#

87 8.9 10.2 15.2#





#44

Trichloroethene

Concen: 1.393 ug/l

RT: 7.123 min Scan# 90

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:130 Resp: 2850

Ion Ratio Lower Upper

130 100

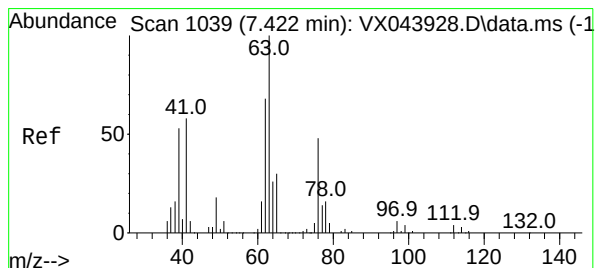
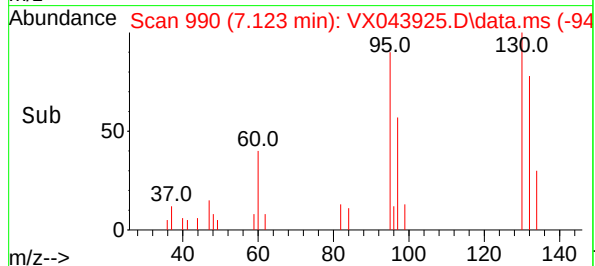
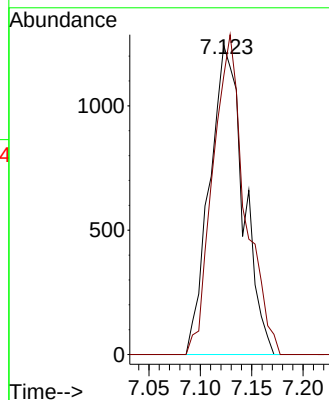
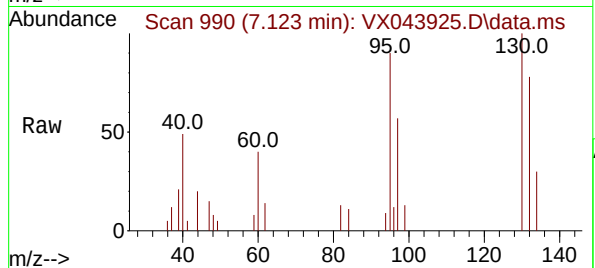
95 90.0 0.0 217.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#45

1,2-Dichloropropane

Concen: 0.849 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX043925.D

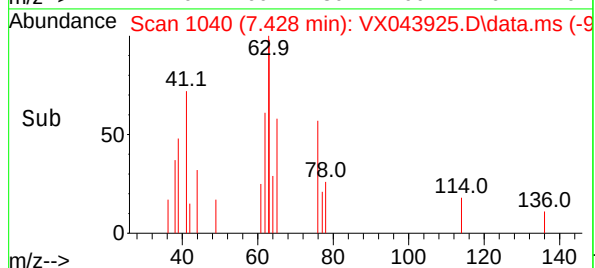
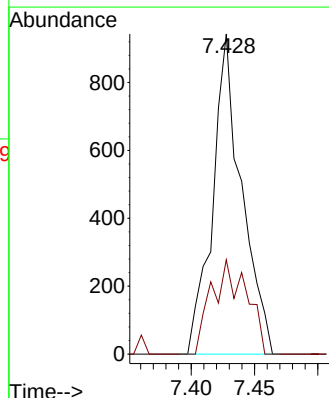
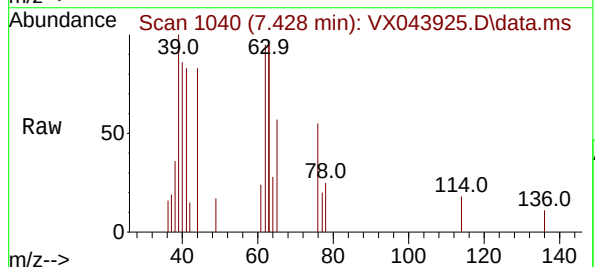
Acq: 21 Nov 2024 09:47

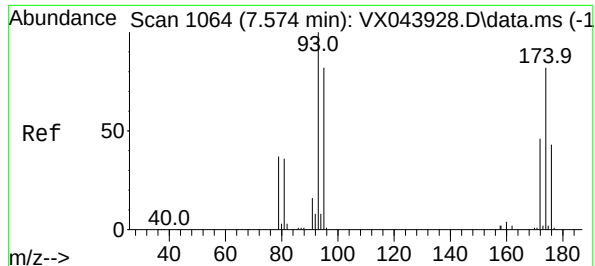
Tgt Ion: 63 Resp: 1503

Ion Ratio Lower Upper

63 100

65 29.5 23.8 35.6





#46

Dibromomethane

Concen: 0.890 ug/l

RT: 7.580 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 93 Resp: 1240

Ion Ratio Lower Upper

93 100

95 90.4 66.2 99.4

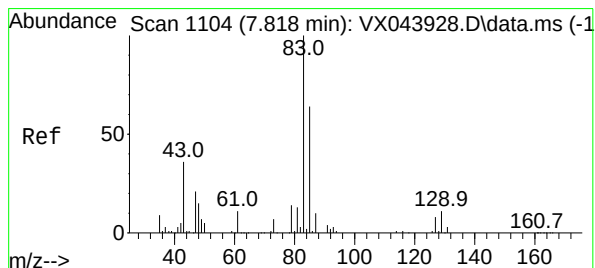
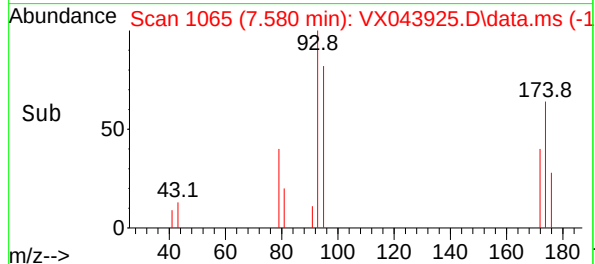
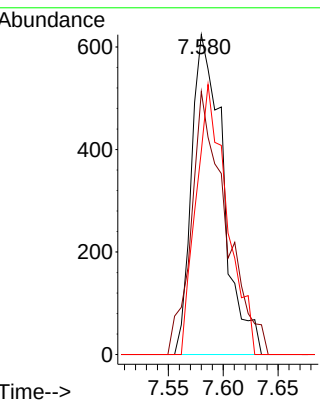
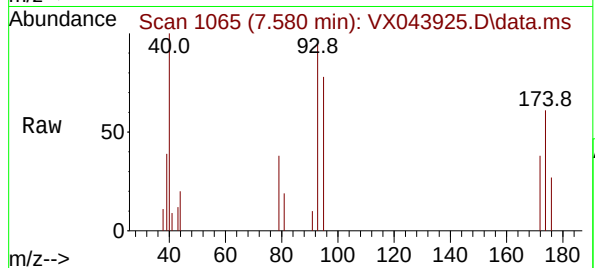
174 83.1 69.6 104.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#47

Bromodichloromethane

Concen: 0.724 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

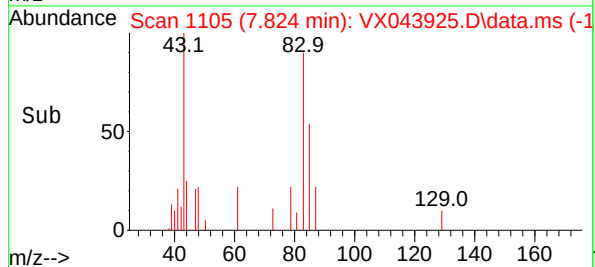
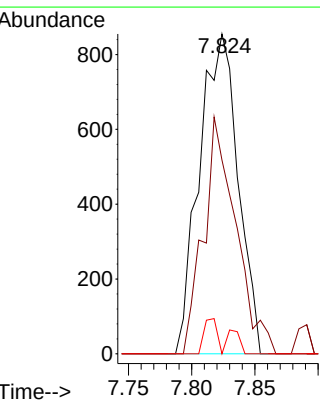
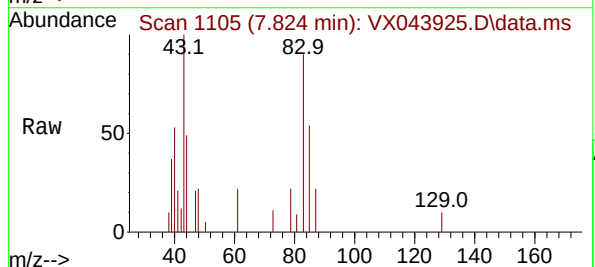
Tgt Ion: 83 Resp: 1819

Ion Ratio Lower Upper

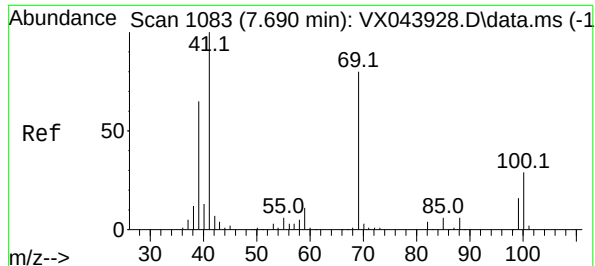
83 100

85 60.6 51.4 77.0

127 0.0 6.6 10.0#







#48

Methyl methacrylate

Concen: 0.917 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 41 Resp: 201

Ion Ratio Lower Upper

41 100

69 57.5 64.6 97.0

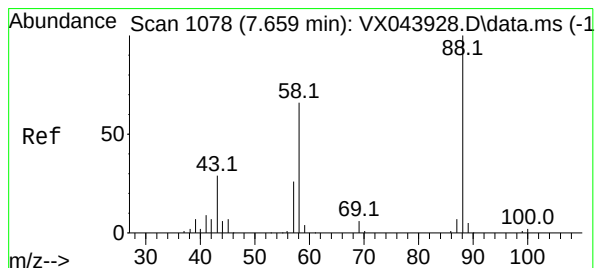
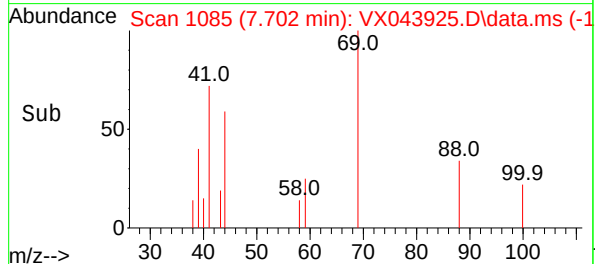
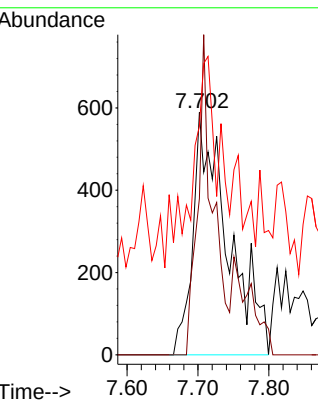
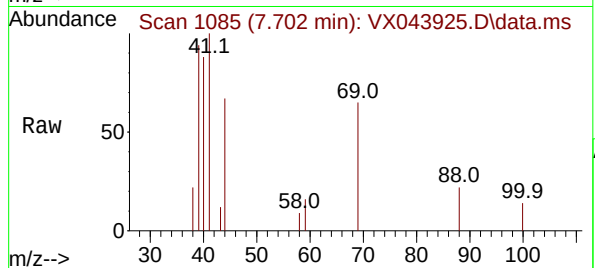
39 40.3 53.3 79.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#49

1,4-Dioxane

Concen: 16.166 ug/l

RT: 7.671 min Scan# 1080

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

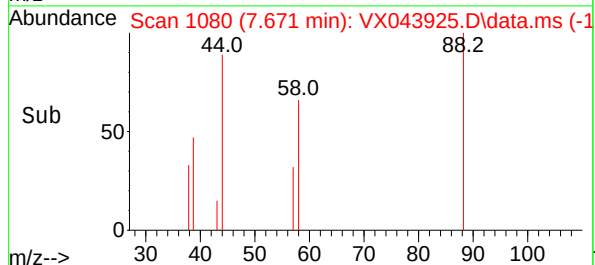
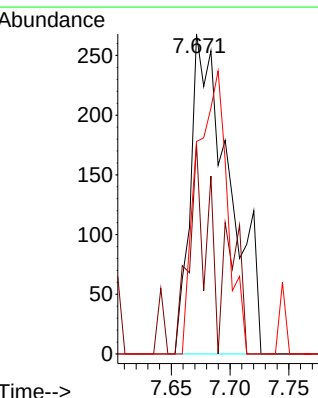
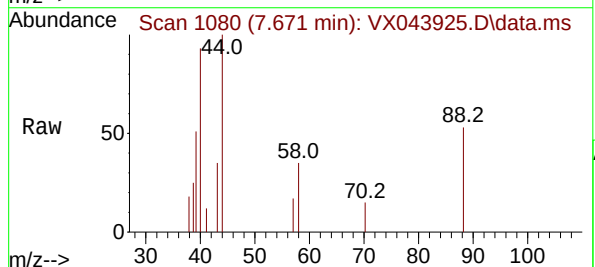
Tgt Ion: 88 Resp: 613

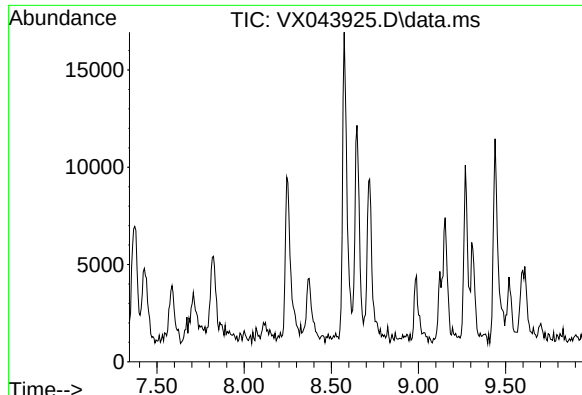
Ion Ratio Lower Upper

88 100

43 31.0 26.8 40.2

58 0.0 45.4 68.2





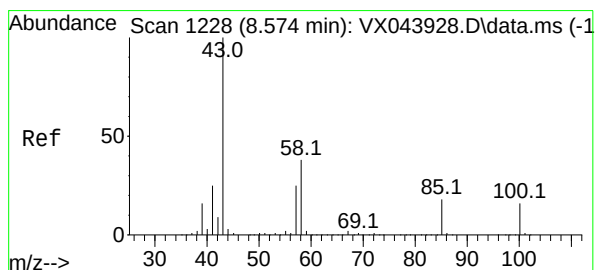
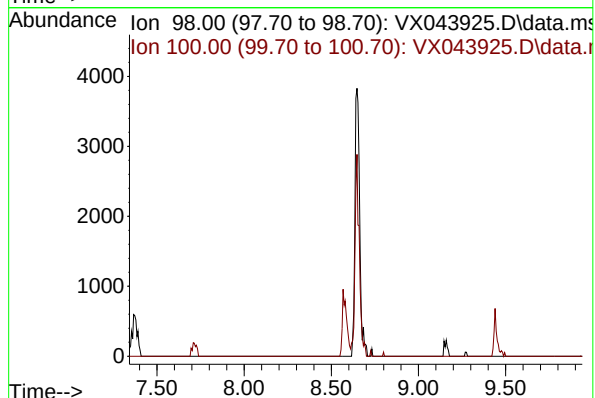
#50  
Toluene-d8  
Concen: 0.000 ug/l  
Expected RT: 8.64 min  
  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion: 98  
Sig Exp Ratio  
98 100  
100 65.8

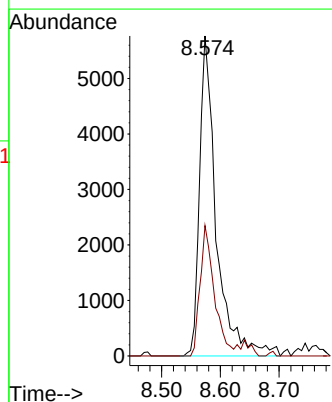
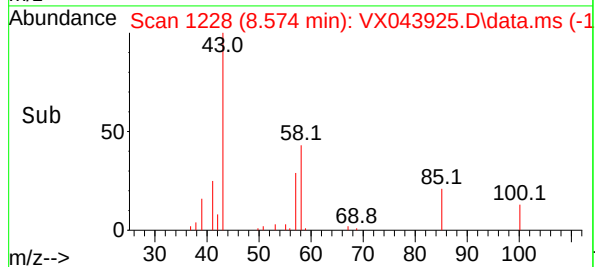
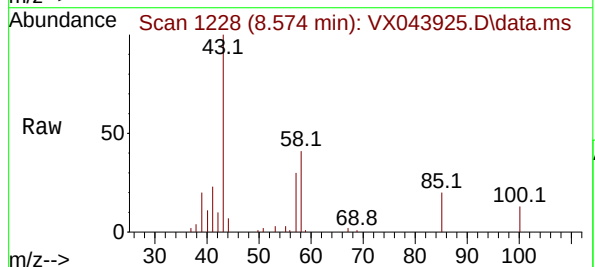
Manual Integrations  
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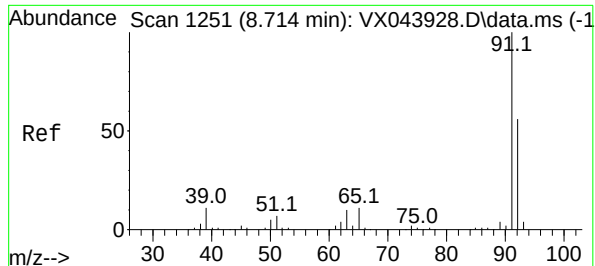
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#51  
4-Methyl-2-Pentanone  
Concen: 4.073 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 11392  
Ion Ratio Lower Upper  
43 100  
58 34.9 30.0 45.0





#52

Toluene

Concen: 0.766 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 92 Resp: 331

Ion Ratio Lower Upper

92 100

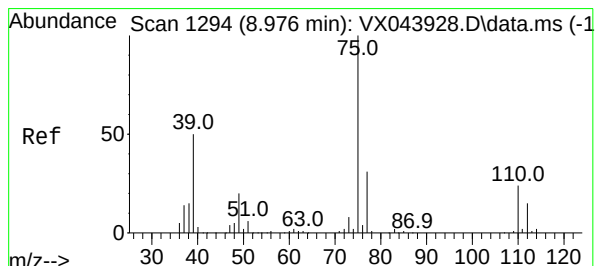
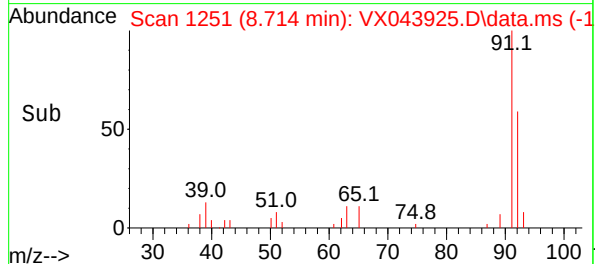
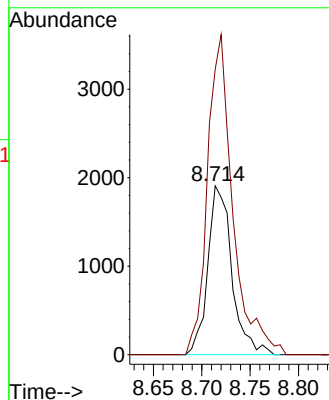
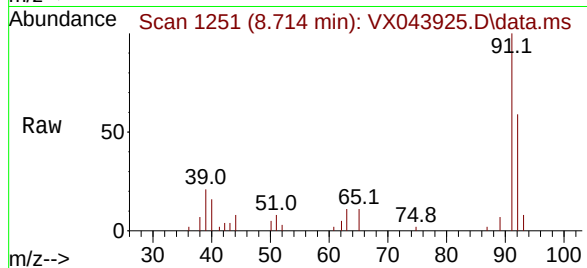
91 199.1 139.7 209.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#53

t-1,3-Dichloropropene

Concen: 0.694 ug/l

RT: 8.988 min Scan# 1296

Delta R.T. 0.012 min

Lab File: VX043925.D

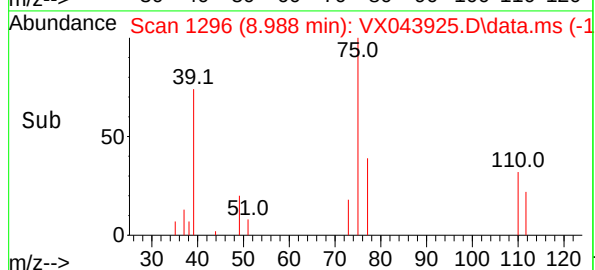
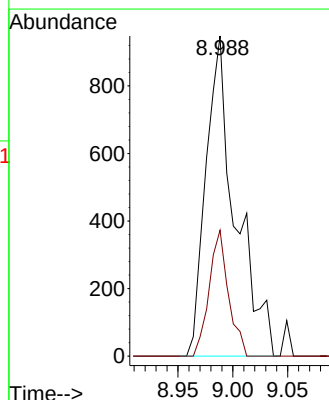
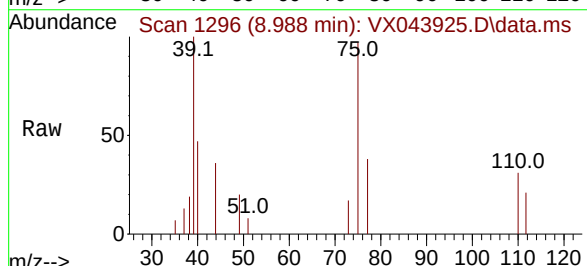
Acq: 21 Nov 2024 09:47

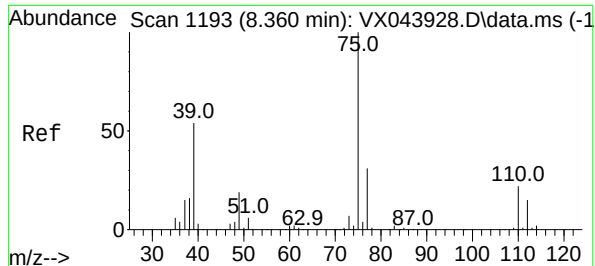
Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

77 39.3 25.1 37.7#





#54

cis-1,3-Dichloropropene

Concen: 0.759 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043925.D

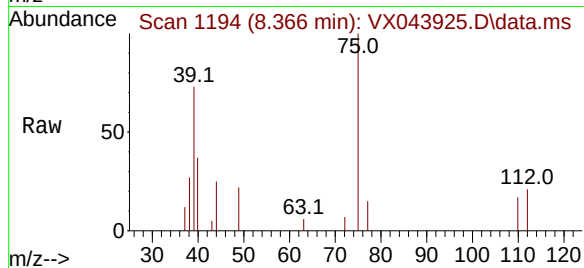
Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001



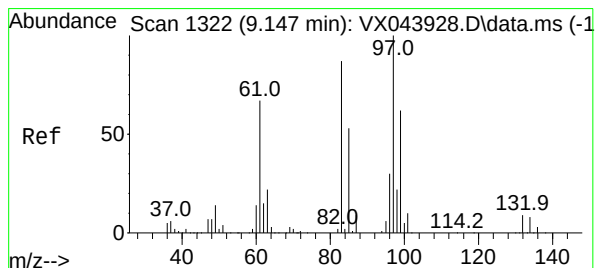
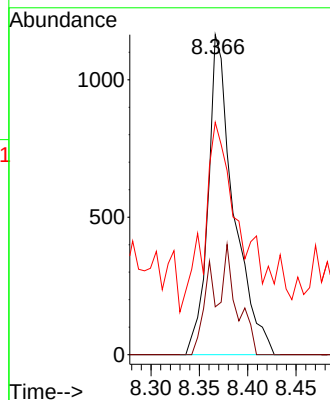
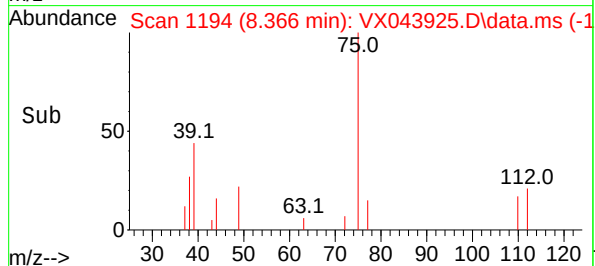
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 213   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 14.9  | 25.2  | 37.8  |
| 39       | 59.3  | 43.1  | 64.7  |

## Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#55

1,1,2-Trichloroethane

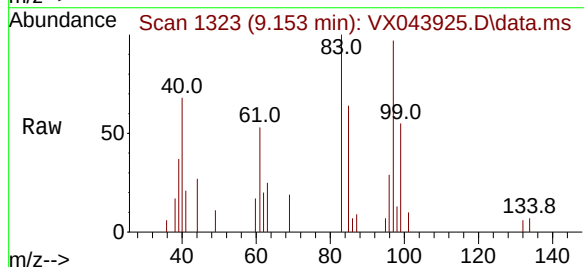
Concen: 0.838 ug/l

RT: 9.153 min Scan# 1323

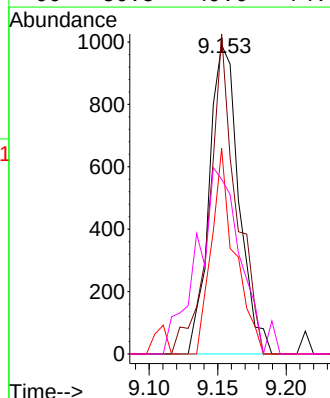
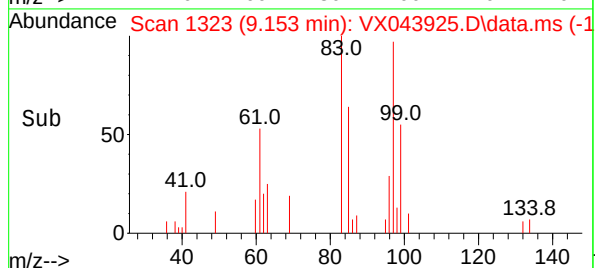
Delta R.T. 0.006 min

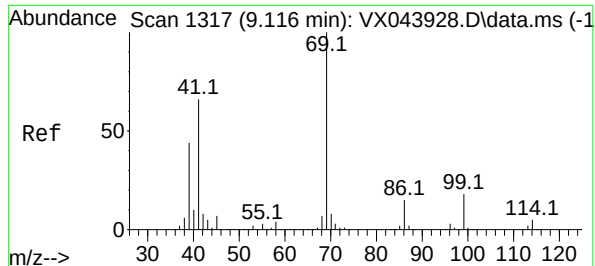
Lab File: VX043925.D

Acq: 21 Nov 2024 09:47



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 1496  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 103.5 | 69.4  | 104.0 |
| 85       | 66.5  | 42.3  | 63.5  |
| 99       | 56.5  | 49.6  | 74.4  |





#56

Ethyl methacrylate

Concen: 0.709 ug/l

RT: 9.122 min Scan# 1317

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 69 Resp: 1973

Ion Ratio Lower Upper

69 100

41 85.3 55.8 83.8

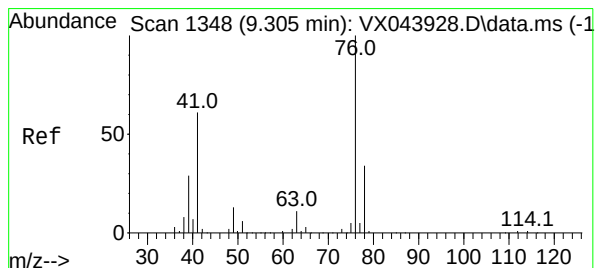
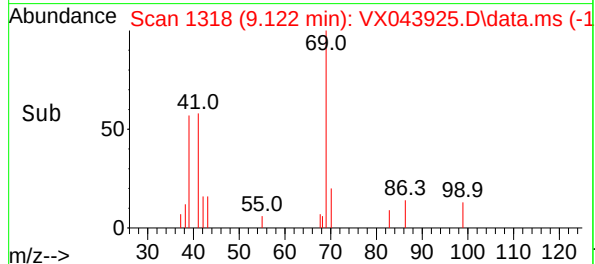
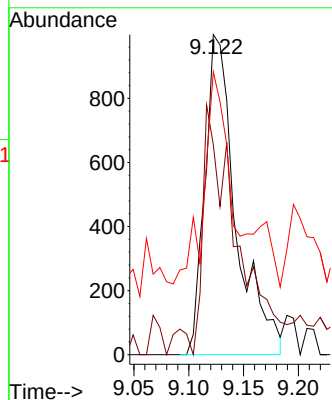
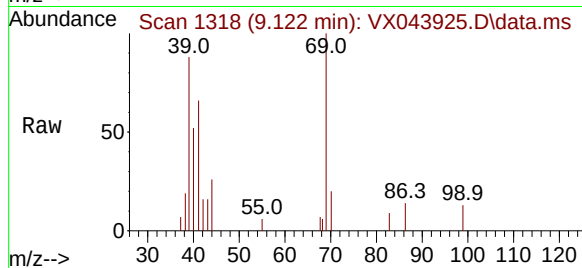
39 56.7 36.7 55.1

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#57

1,3-Dichloropropane

Concen: 0.832 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX043925.D

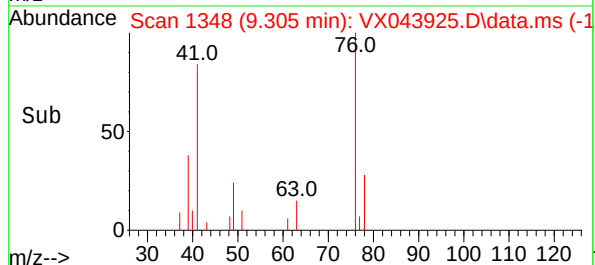
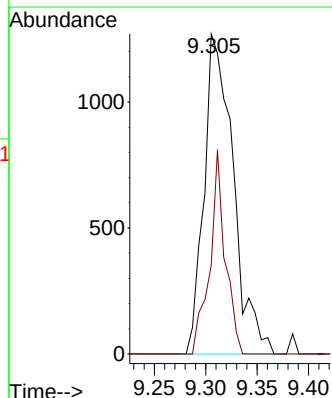
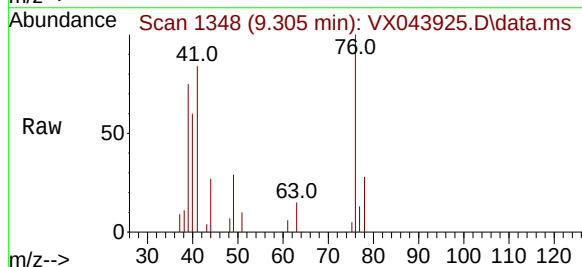
Acq: 21 Nov 2024 09:47

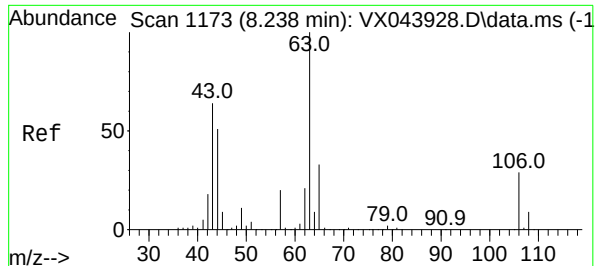
Tgt Ion: 76 Resp: 2502

Ion Ratio Lower Upper

76 100

78 33.6 26.0 39.0





#58

2-Chloroethyl Vinyl ether

Concen: 2.662 ug/l

RT: 8.245 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 63 Resp: 413

Ion Ratio Lower Upper

63 100

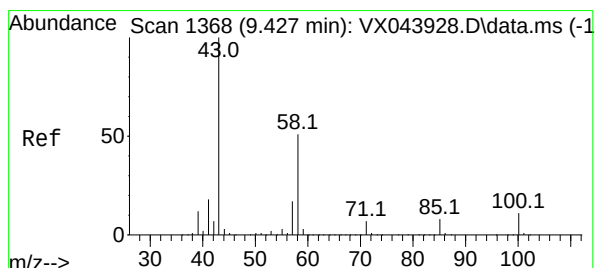
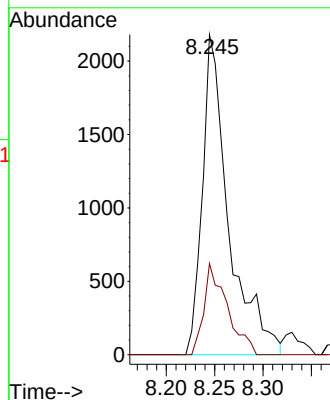
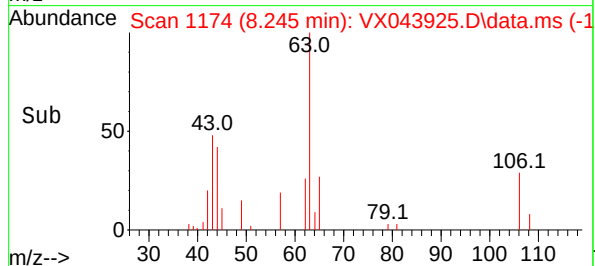
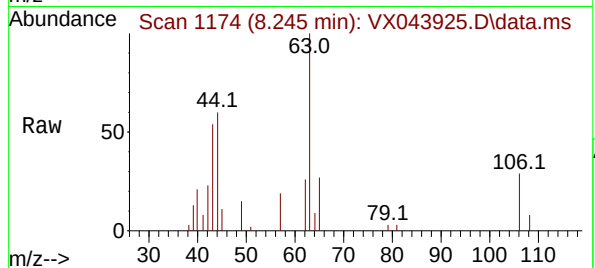
106 25.2 23.0 34.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#59

2-Hexanone

Concen: 3.675 ug/l

RT: 9.439 min Scan# 1370

Delta R.T. 0.012 min

Lab File: VX043925.D

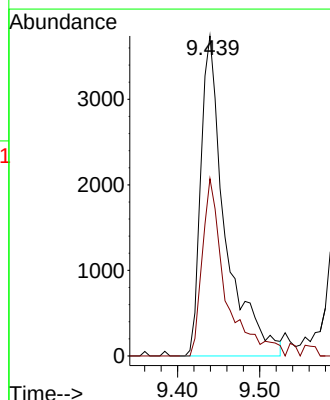
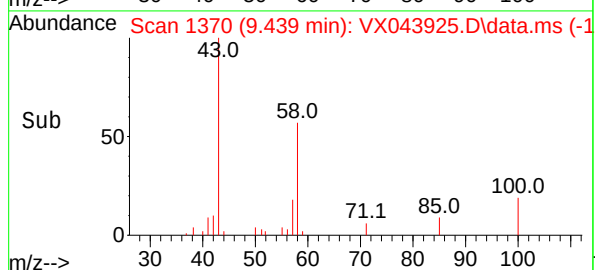
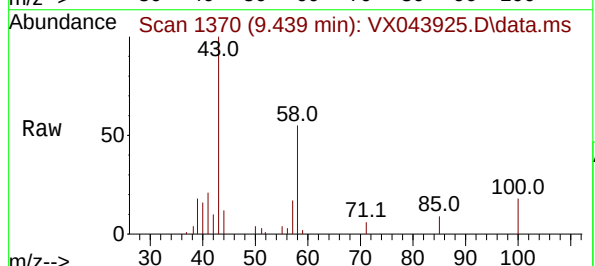
Acq: 21 Nov 2024 09:47

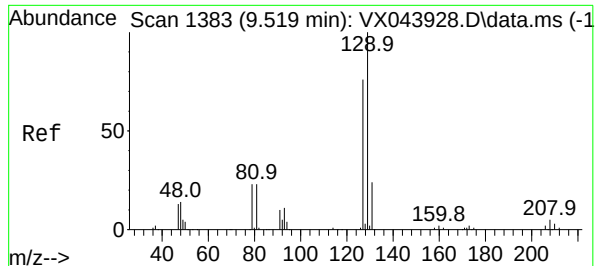
Tgt Ion: 43 Resp: 7726

Ion Ratio Lower Upper

43 100

58 52.6 25.9 77.6





#60

Dibromochloromethane

Concen: 0.723 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:129 Resp: 1290

Ion Ratio Lower Upper

129 100

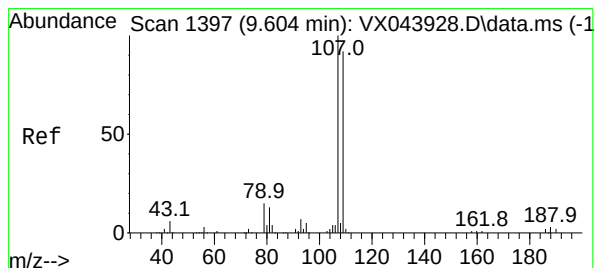
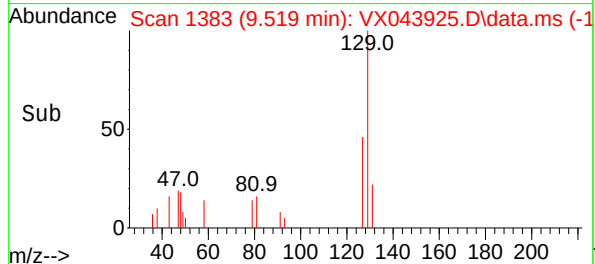
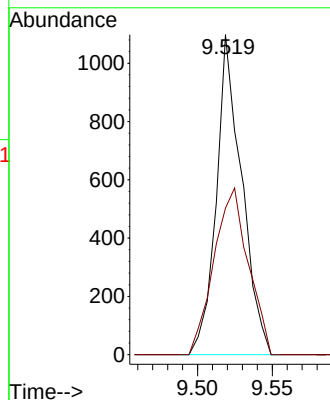
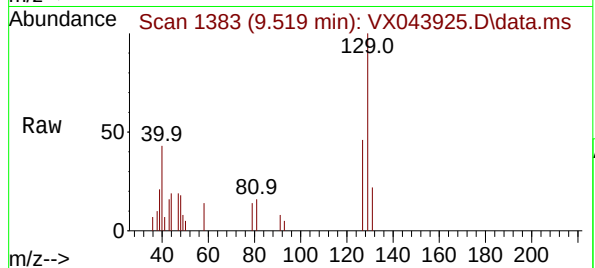
127 70.6 38.2 114.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#61

1,2-Dibromoethane

Concen: 0.743 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043925.D

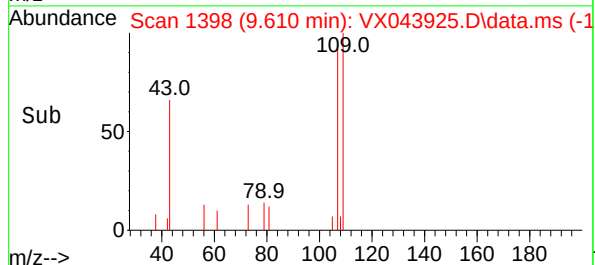
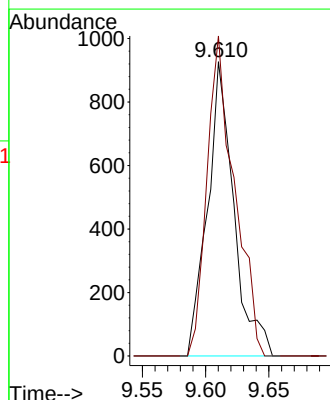
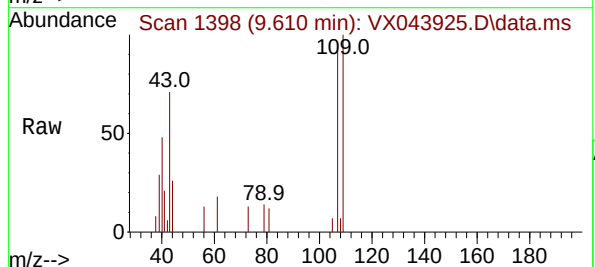
Acq: 21 Nov 2024 09:47

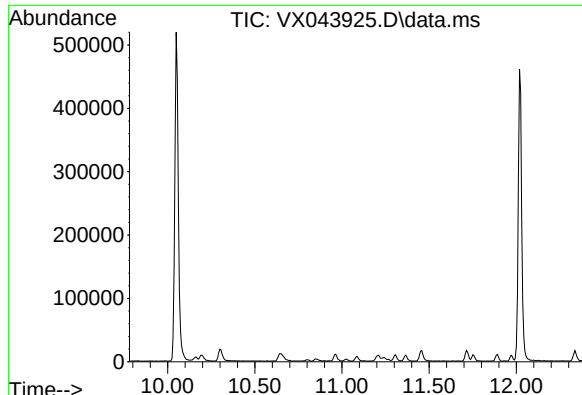
Tgt Ion:107 Resp: 1342

Ion Ratio Lower Upper

107 100

109 113.3 75.2 112.8#





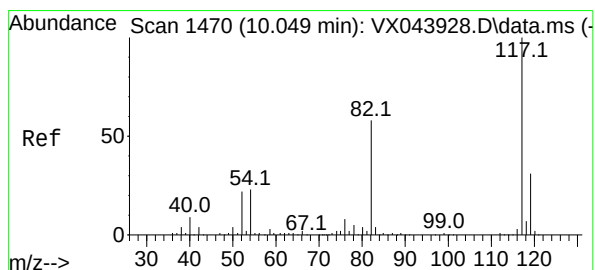
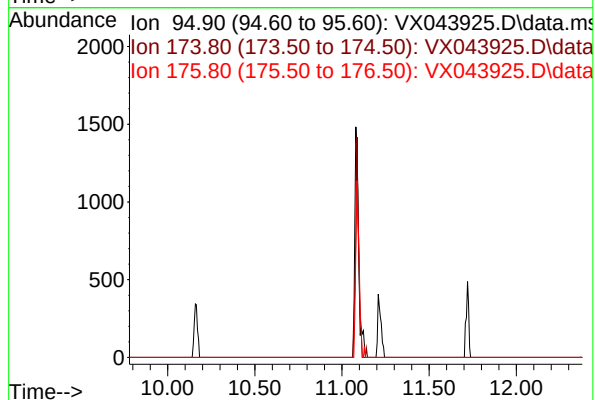
#62  
4-Bromofluorobenzene  
Concen: 0.000 ug/l  
Expected RT: 11.08 min  
  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 95  
Sig Exp Ratio  
95 100  
174 75.2  
176 73.0

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

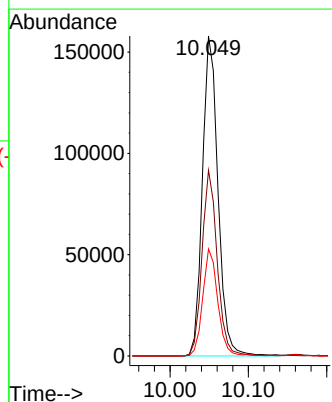
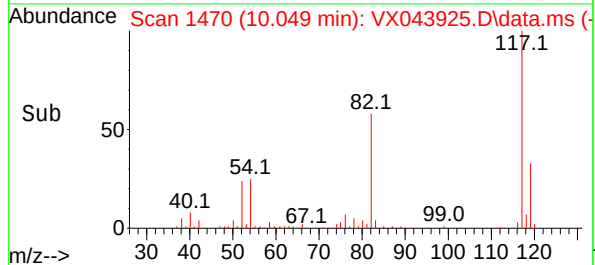
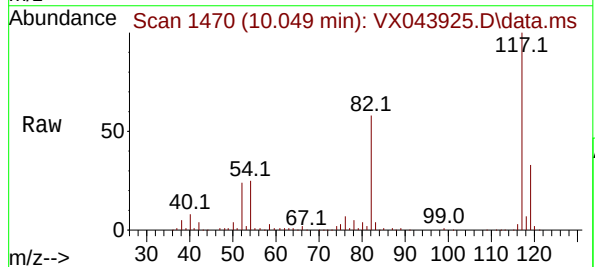
Manual Integrations  
APPROVED

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

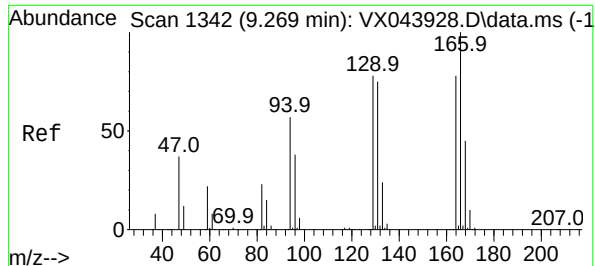


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion:117 Resp: 218244  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.4 69.6  
119 33.5 24.6 37.0







#64

Tetrachloroethene

Concen: 0.924 ug/l

RT: 9.269 min Scan# 1474

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:164 Resp: 1329

Ion Ratio Lower Upper

164 100

166 112.3 102.1 153.1

129 112.6 79.6 119.4

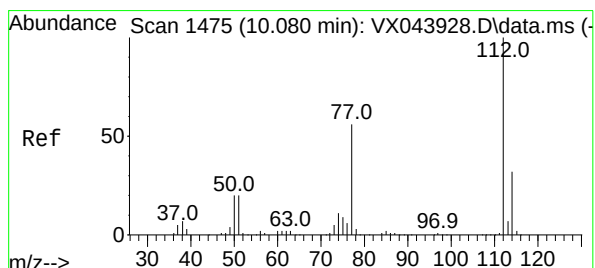
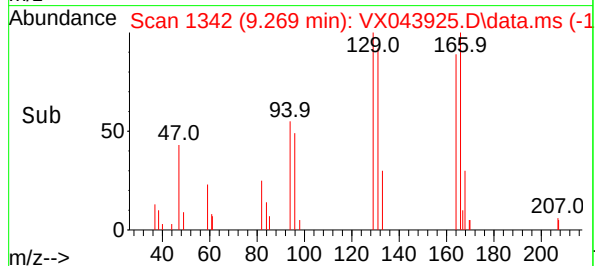
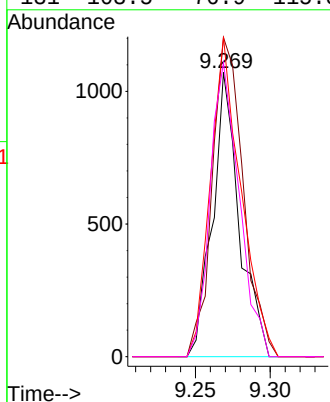
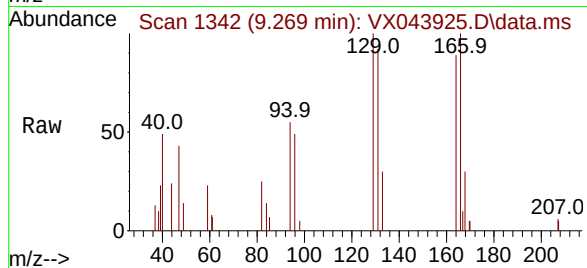
131 103.5 76.9 115.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#65

Chlorobenzene

Concen: 0.957 ug/l

RT: 10.073 min Scan# 1474

Delta R.T. -0.006 min

Lab File: VX043925.D

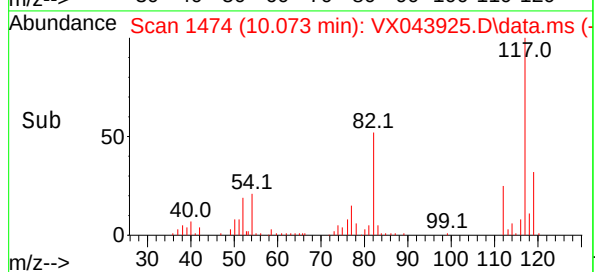
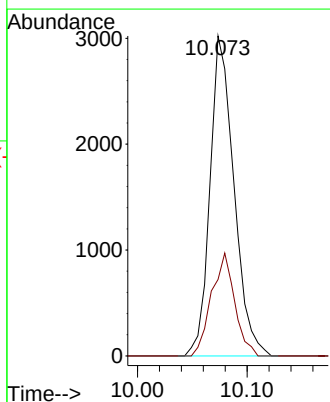
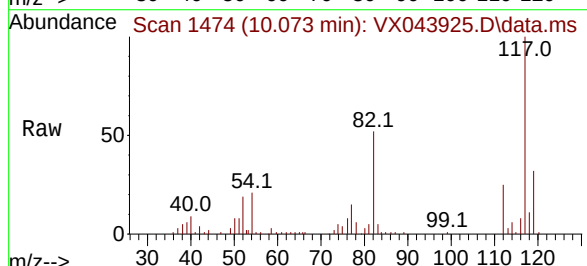
Acq: 21 Nov 2024 09:47

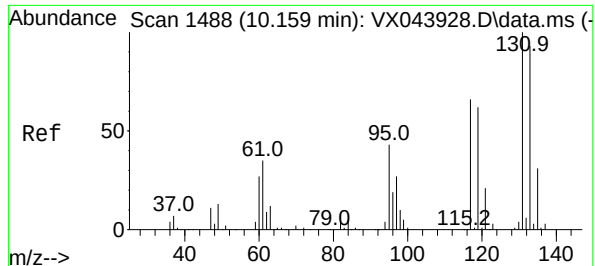
Tgt Ion:112 Resp: 4585

Ion Ratio Lower Upper

112 100

114 23.9 25.4 38.0#





#66

1,1,1,2-Tetrachloroethane

Concen: 0.731 ug/l

RT: 10.165 min Scan# 1488

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

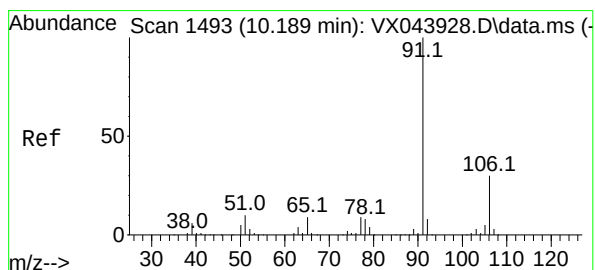
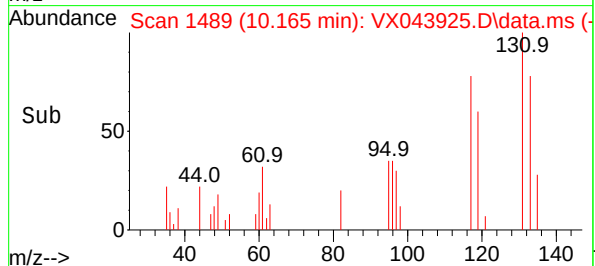
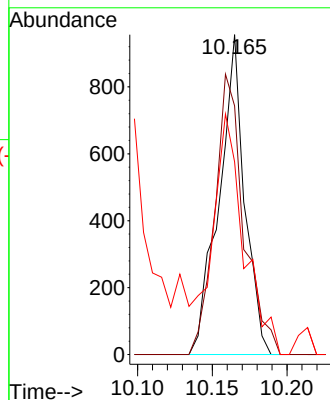
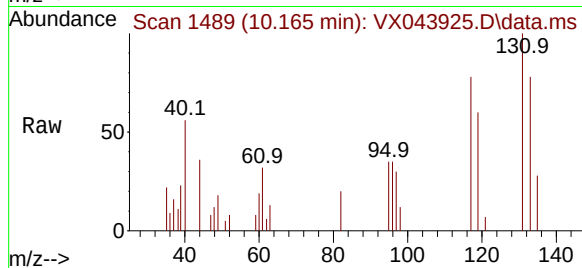
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 131   | Resp: | 1130  |
| Ion      | Ratio | Lower | Upper |
| 131      | 100   |       |       |
| 133      | 100.0 | 48.2  | 144.6 |
| 119      | 0.0   | 31.5  | 94.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#67

Ethyl Benzene

Concen: 0.848 ug/l

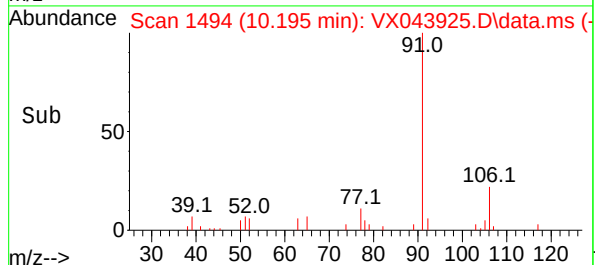
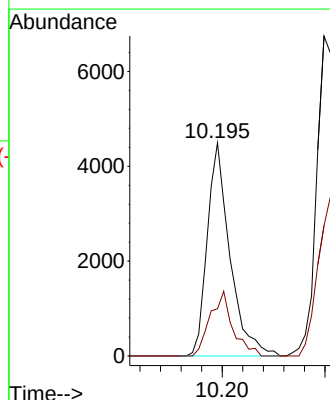
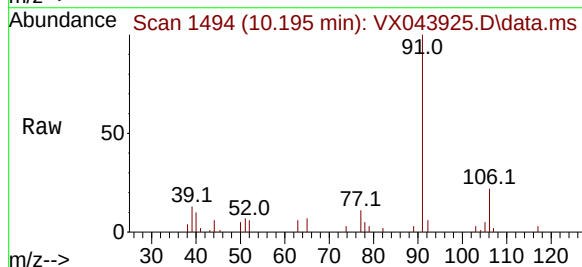
RT: 10.195 min Scan# 1494

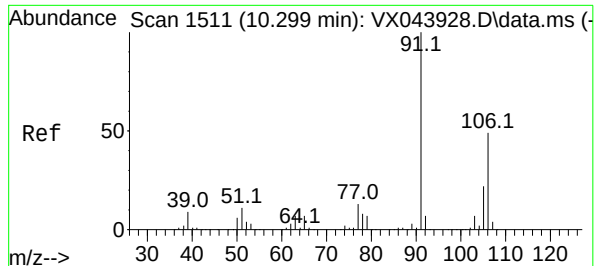
Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 6890  |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 106      | 22.2  | 23.6  | 35.4  |





#68

m/p-Xylenes

Concen: 1.758 ug/l

RT: 10.305 min Scan# 1511

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:106 Resp: 5324

Ion Ratio Lower Upper

106 100

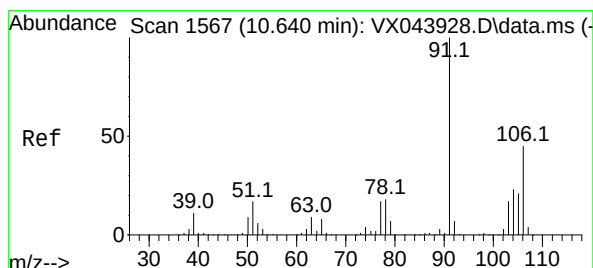
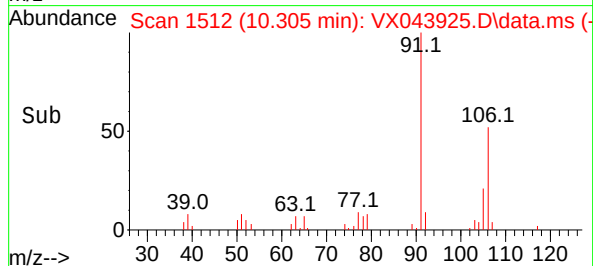
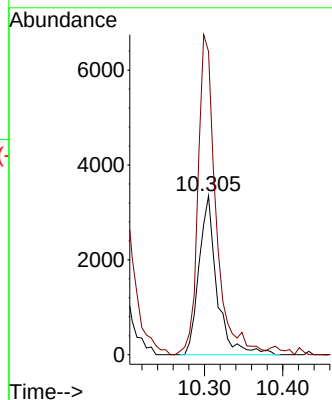
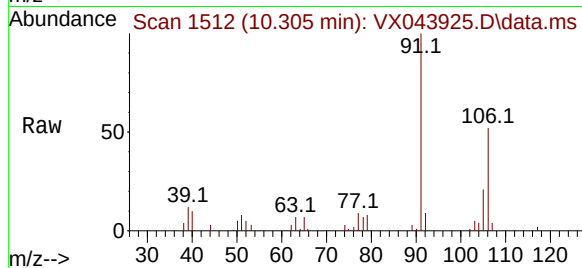
91 201.7 168.1 252.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#69

o-Xylene

Concen: 0.801 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043925.D

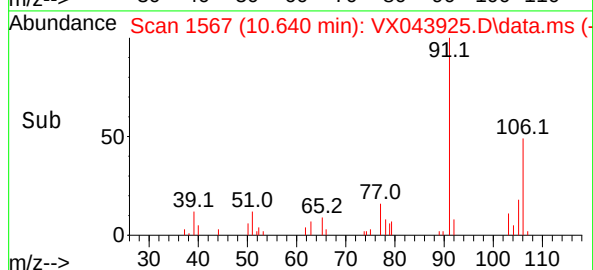
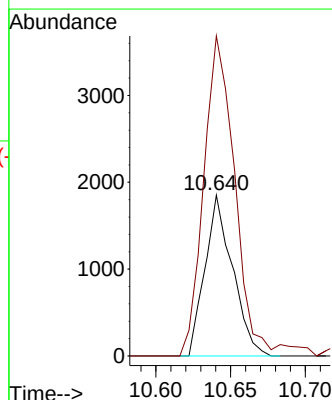
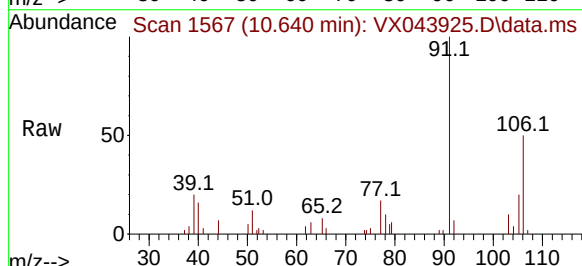
Acq: 21 Nov 2024 09:47

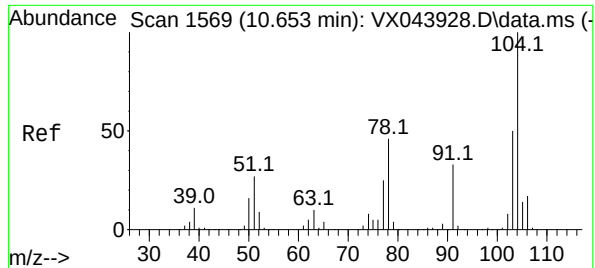
Tgt Ion:106 Resp: 2370

Ion Ratio Lower Upper

106 100

91 228.1 110.2 330.6





#70

Styrene

Concen: 0.767 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

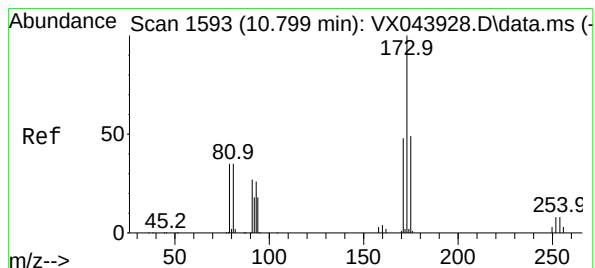
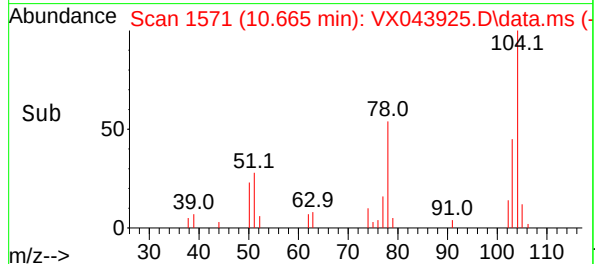
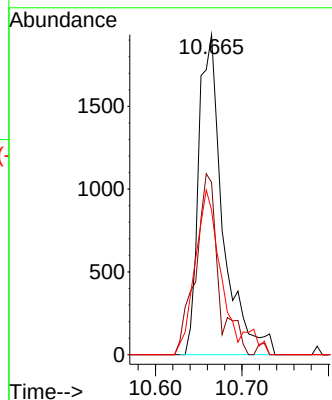
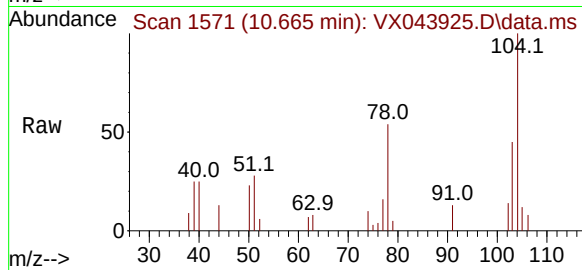
VSTDIC001

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:104 | Resp: | 375       |
| Ion Ratio   | Lower | Upper     |
| 104         | 100   |           |
| 78          | 54.0  | 42.2 63.2 |
| 103         | 52.8  | 44.7 67.1 |

Manual Integrations

APPROVED

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



#71

Bromoform

Concen: 1.756 ug/l

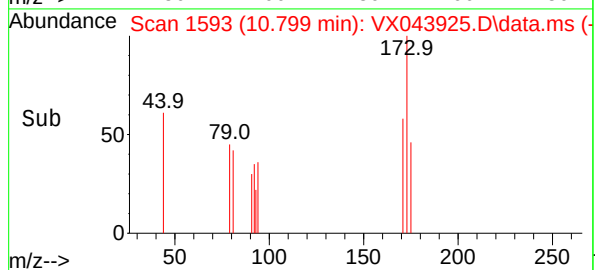
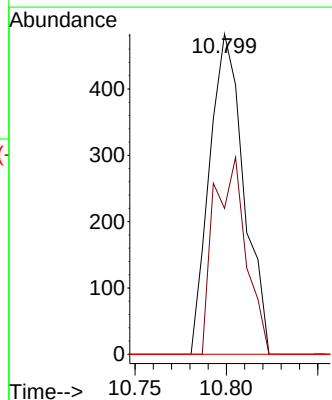
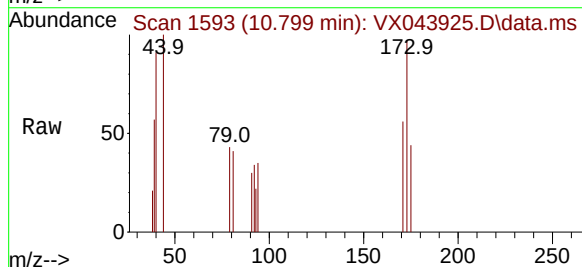
RT: 10.799 min Scan# 1593

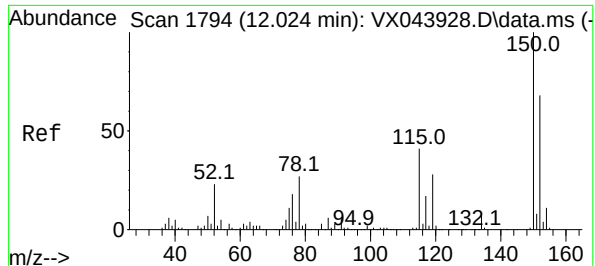
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:173 | Resp: | 632       |
| Ion Ratio   | Lower | Upper     |
| 173         | 100   |           |
| 175         | 57.1  | 24.1 72.2 |
| 254         | 0.0   | 0.0 0.0   |





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion:152 Resp: 92854

Ion Ratio Lower Upper

152 100

115 60.8 45.4 136.2

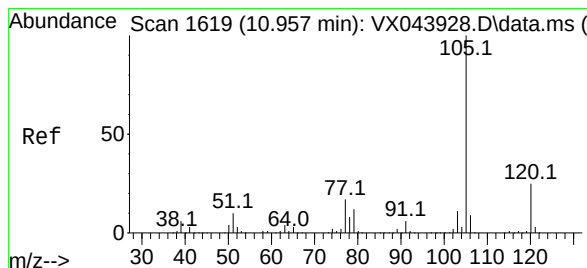
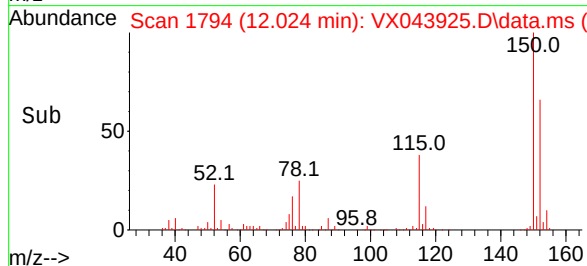
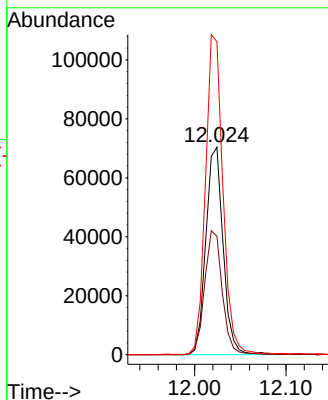
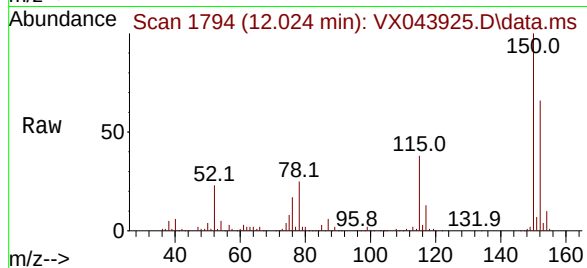
150 154.3 0.0 353.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#73

Isopropylbenzene

Concen: 0.894 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.006 min

Lab File: VX043925.D

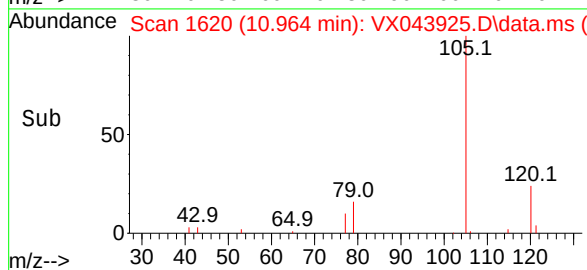
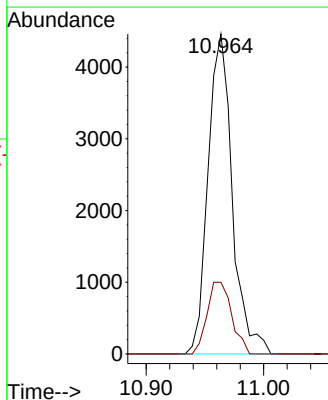
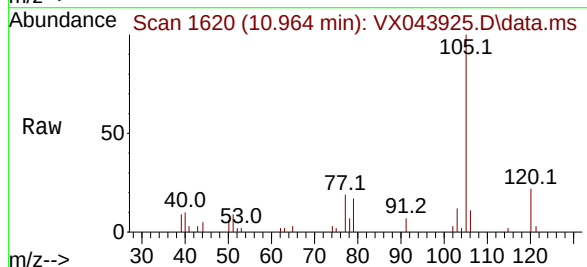
Acq: 21 Nov 2024 09:47

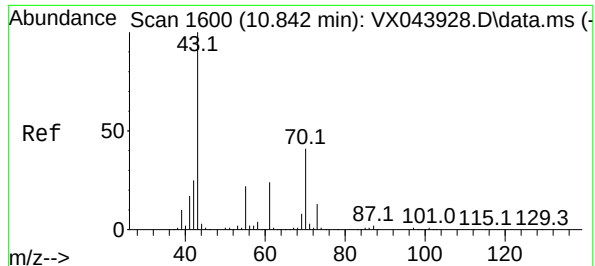
Tgt Ion:105 Resp: 6379

Ion Ratio Lower Upper

105 100

120 22.8 13.0 38.9





#74

N-amyI acetate

Concen: 0.701 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX043925.D

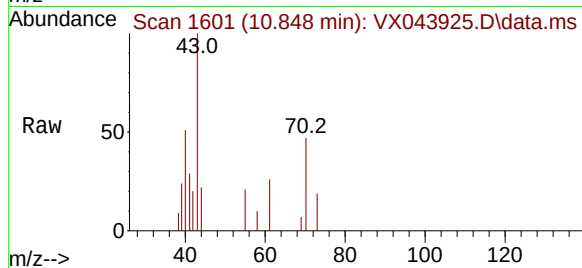
Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001



Tgt Ion: 43 Resp: 2319

Ion Ratio Lower Upper

43 100

70 35.9 32.2 48.2

55 26.8 18.1 27.1

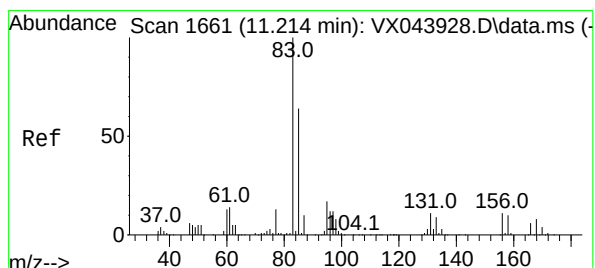
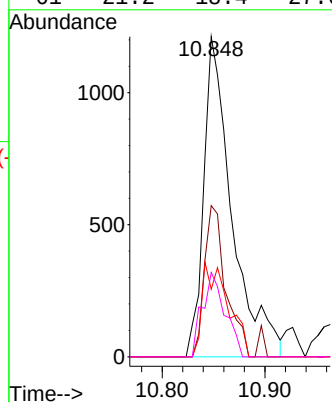
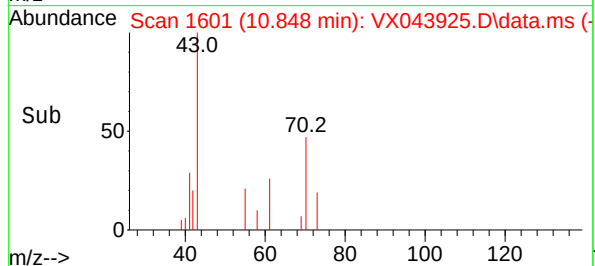
61 21.2 18.4 27.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#75

1,1,2,2-Tetrachloroethane

Concen: 0.910 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

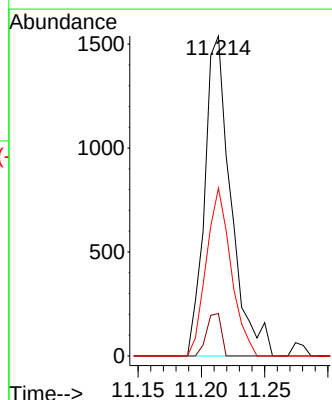
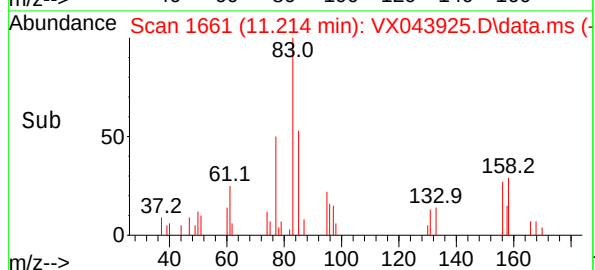
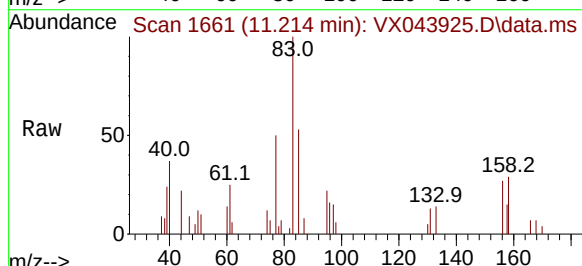
Tgt Ion: 83 Resp: 2224

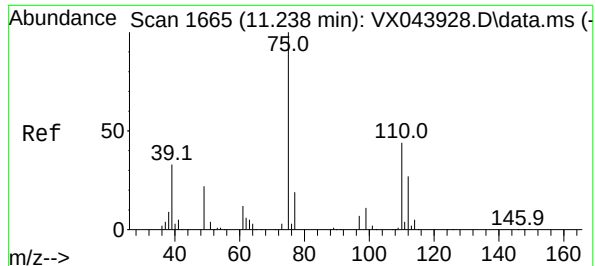
Ion Ratio Lower Upper

83 100

131 7.5 5.1 15.2

85 49.5 32.2 96.6





#76

1,2,3-Trichloropropane

Concen: 0.801 ug/l m

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion: 75 Resp: 1600

Ion Ratio Lower Upper

75 100

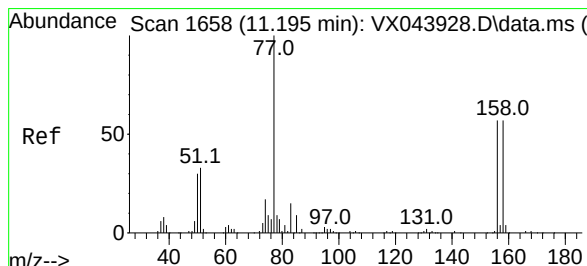
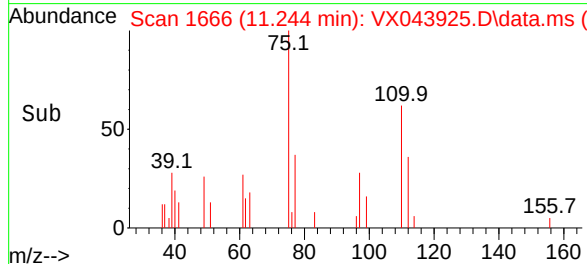
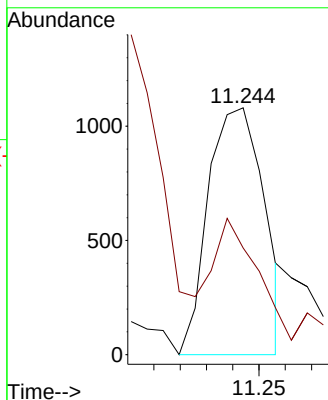
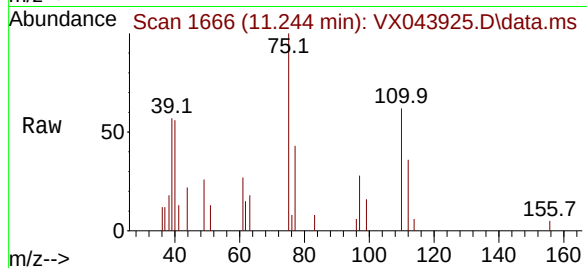
77 54.3 21.8 65.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#77

Bromobenzene

Concen: 0.866 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

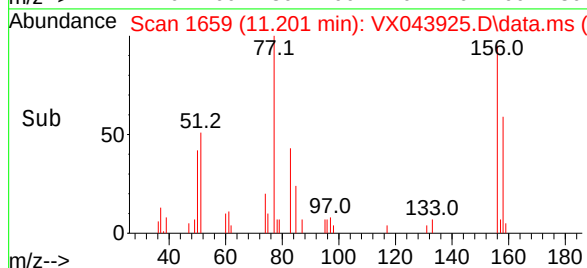
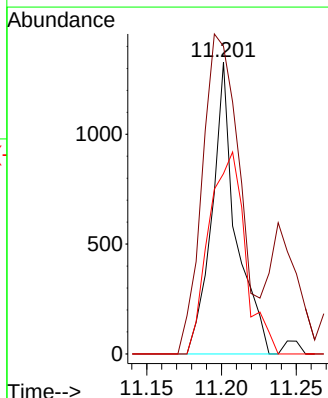
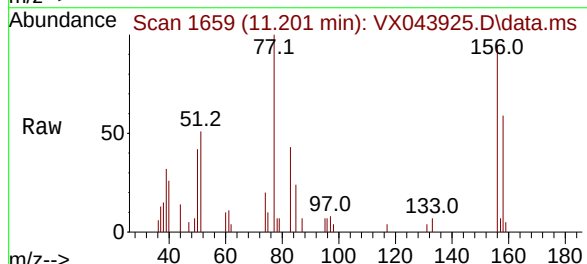
Tgt Ion:156 Resp: 1475

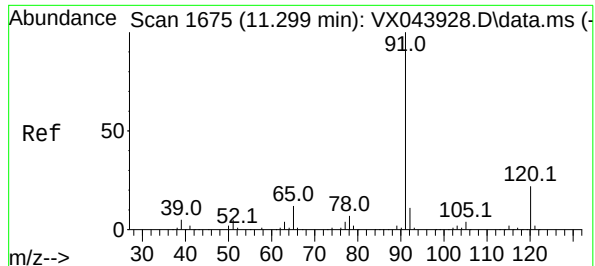
Ion Ratio Lower Upper

156 100

77 171.7 83.4 250.1

158 105.1 47.6 142.8





#78

n-propylbenzene

Concen: 0.854 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

Tgt Ion: 91 Resp: 6810

Ion Ratio Lower Upper

91 100

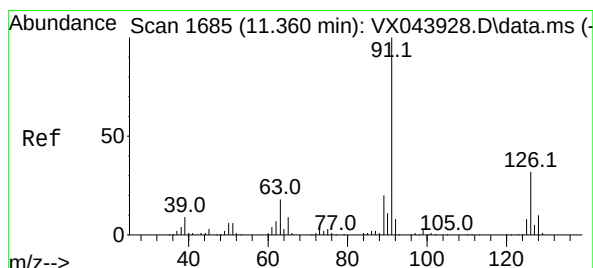
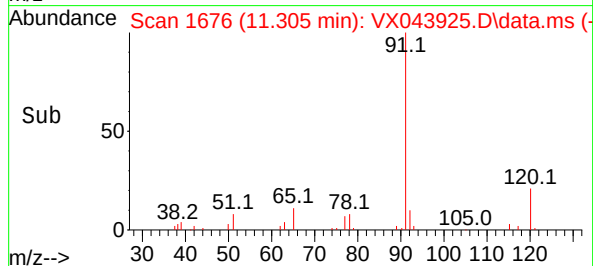
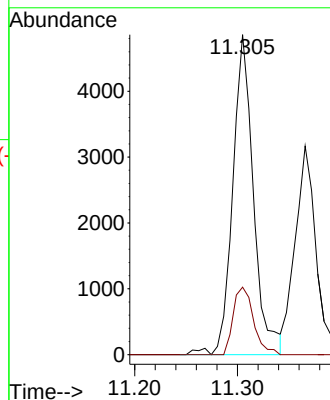
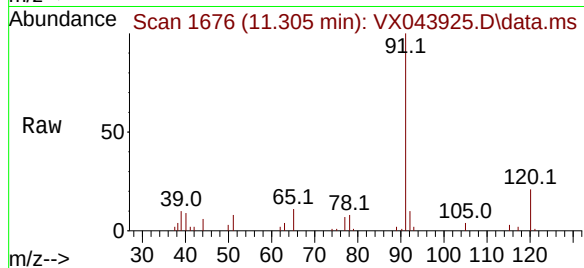
120 20.6 11.5 34.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#79

2-Chlorotoluene

Concen: 0.916 ug/l

RT: 11.366 min Scan# 1686

Delta R.T. 0.006 min

Lab File: VX043925.D

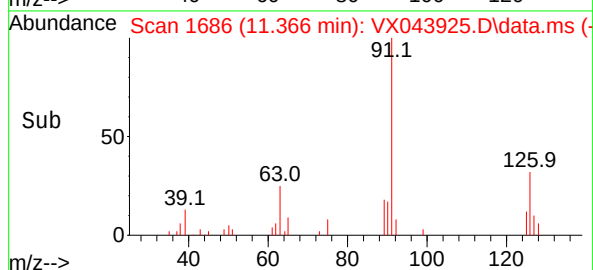
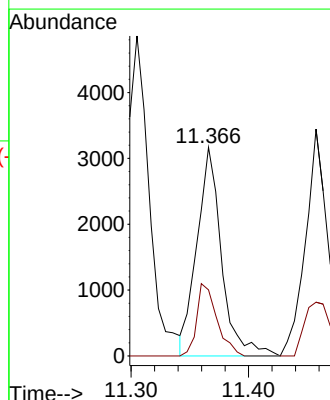
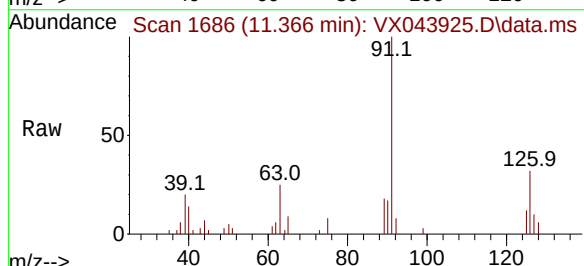
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4618

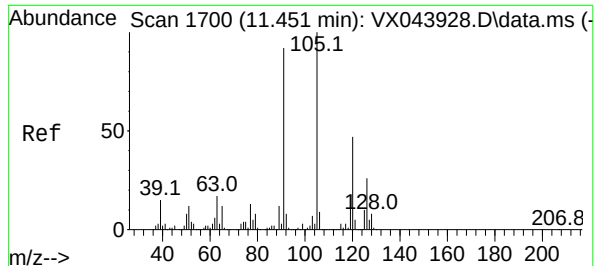
Ion Ratio Lower Upper

91 100

126 28.5 16.6 49.8







#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.451 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

Tgt Ion:105 Resp: 502

Ion Ratio Lower Upper

105 100

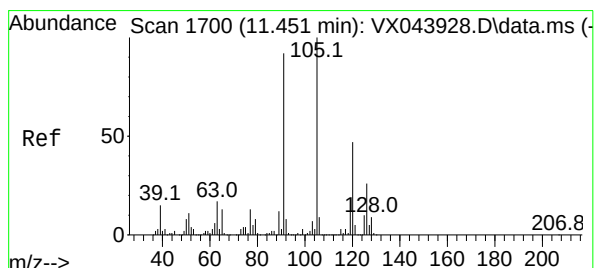
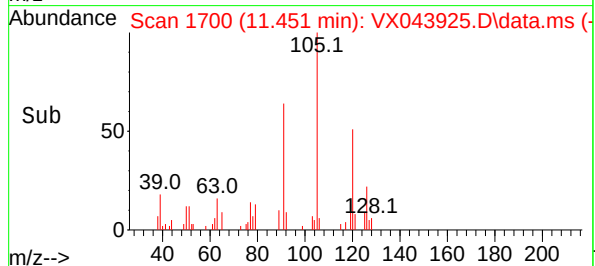
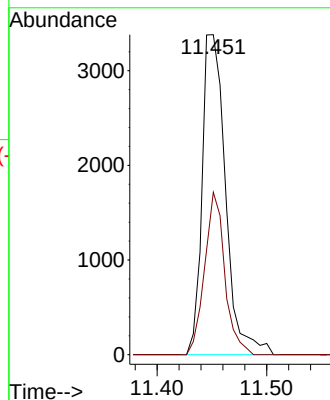
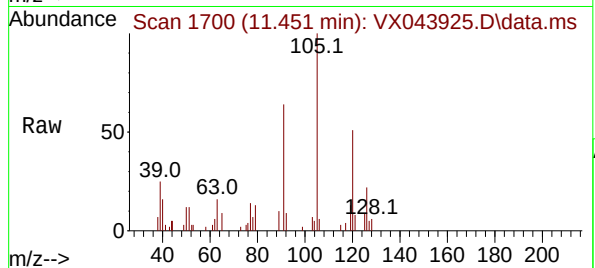
120 43.6 23.3 69.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 0.868 ug/l

RT: 11.457 min Scan# 1701

Delta R.T. 0.006 min

Lab File: VX043925.D

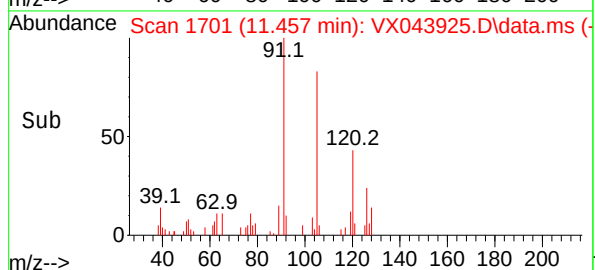
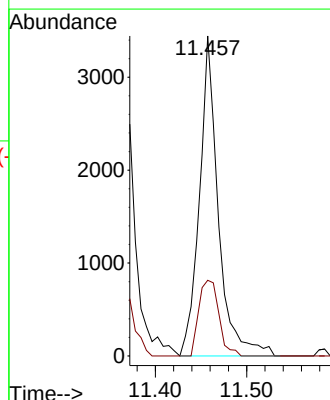
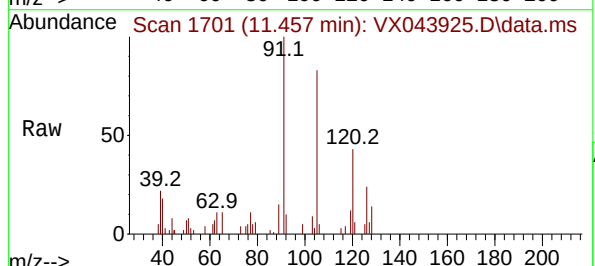
Acq: 21 Nov 2024 09:47

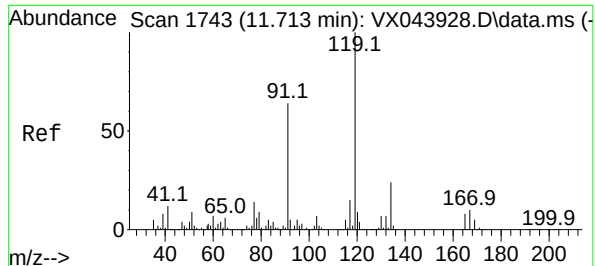
Tgt Ion: 91 Resp: 4940

Ion Ratio Lower Upper

91 100

126 25.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 0.824 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

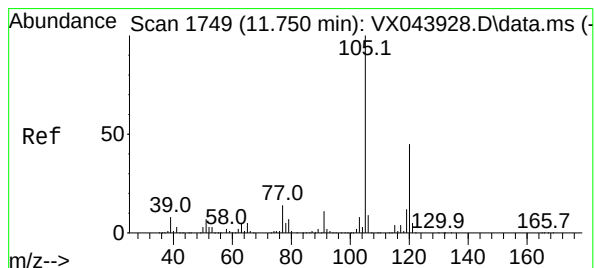
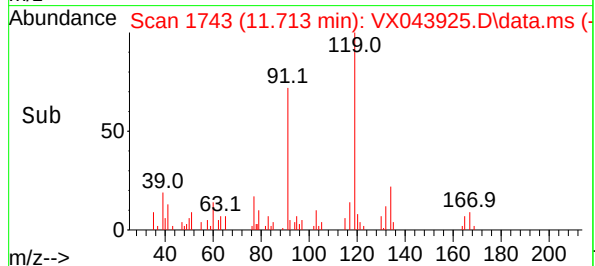
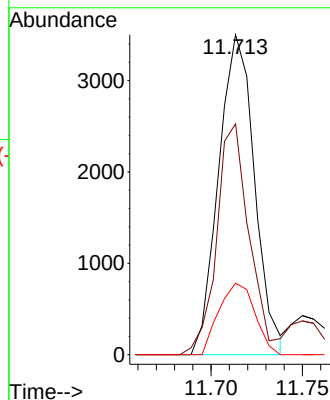
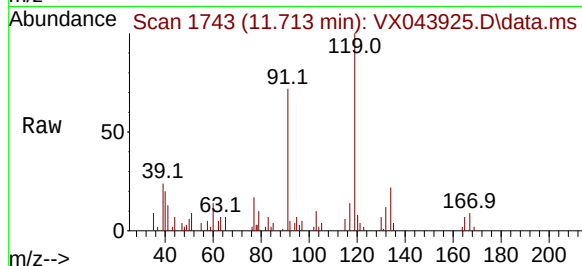
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 4794  |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 91       | 65.8  | 31.0  | 93.0  |
| 134      | 22.3  | 11.6  | 34.8  |

## Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 0.812 ug/l

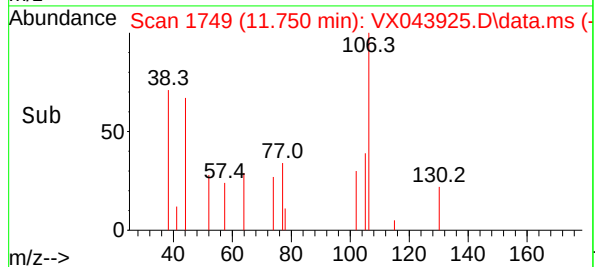
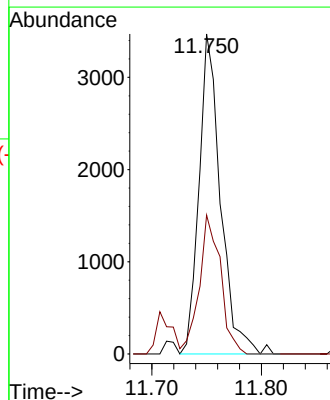
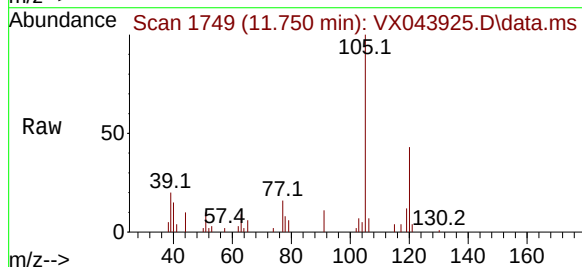
RT: 11.750 min Scan# 1749

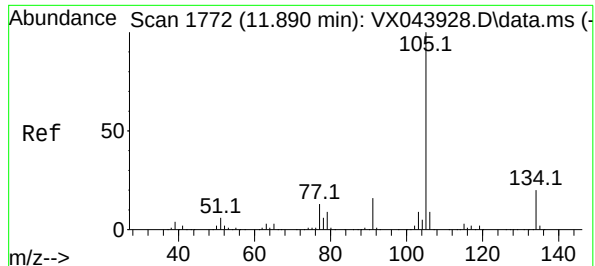
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 4748  |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 42.8  | 21.9  | 65.7  |





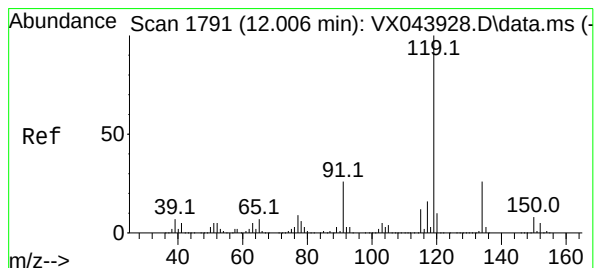
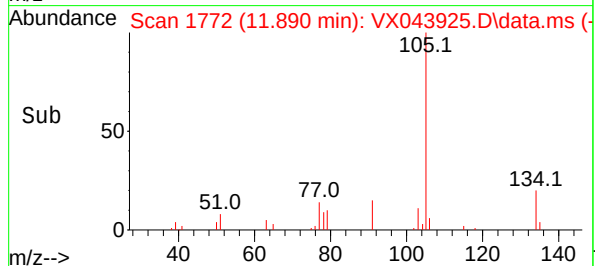
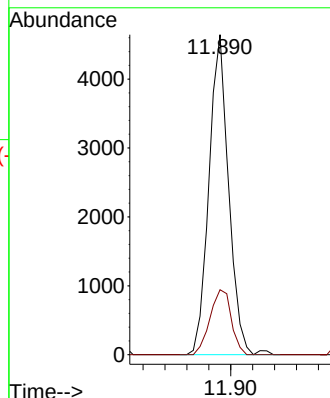
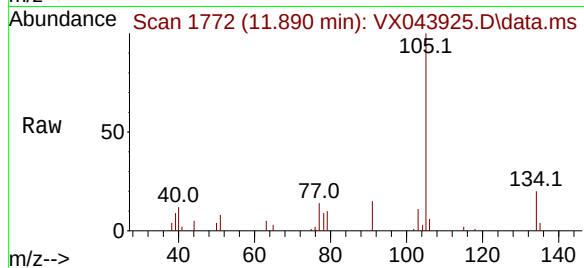
#85  
sec-Butylbenzene  
Concen: 0.812 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

Tgt Ion:105 Resp: 578  
Ion Ratio Lower Upper  
105 100  
134 22.0 9.7 29.1

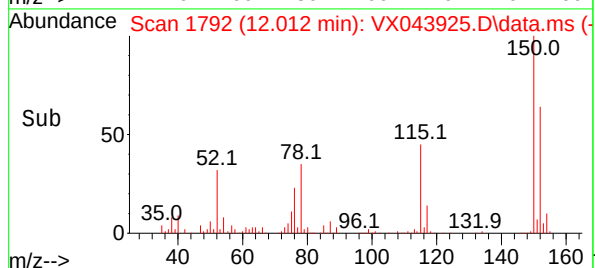
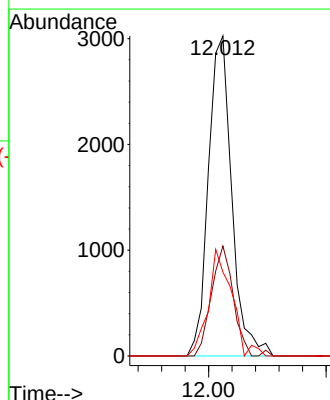
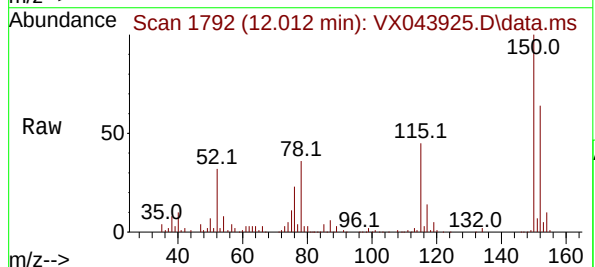
Manual Integrations  
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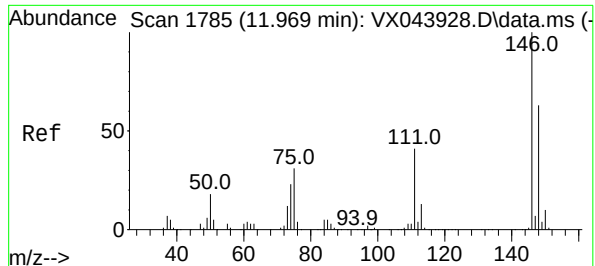
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#86  
p-Isopropyltoluene  
Concen: 0.723 ug/l  
RT: 12.012 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187  
Ion Ratio Lower Upper  
119 100  
134 31.8 13.0 38.9  
91 33.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 0.946 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

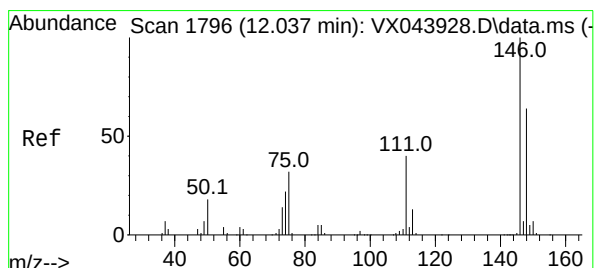
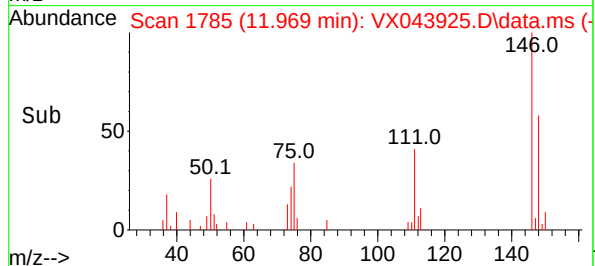
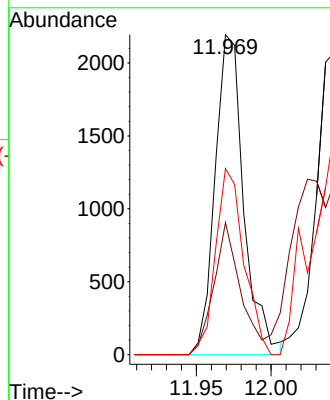
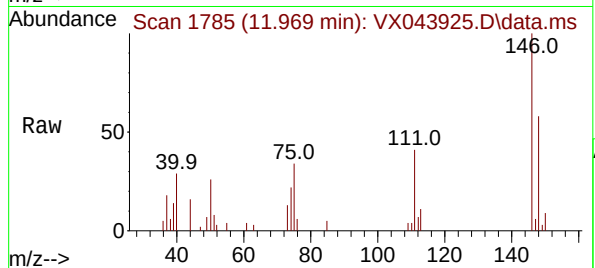
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 2934      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 38.3  | 21.1 63.3 |
| 148         | 57.6  | 31.7 95.1 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 1.020 ug/l m

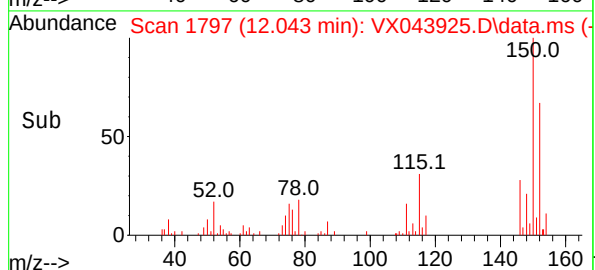
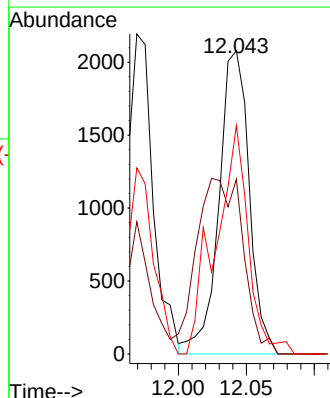
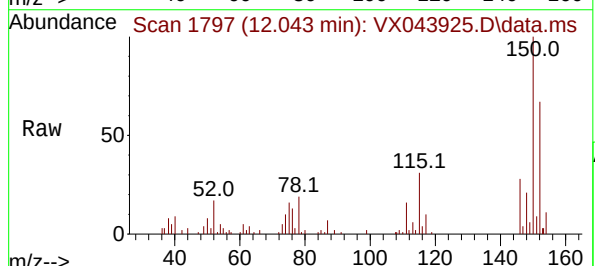
RT: 12.043 min Scan# 1797

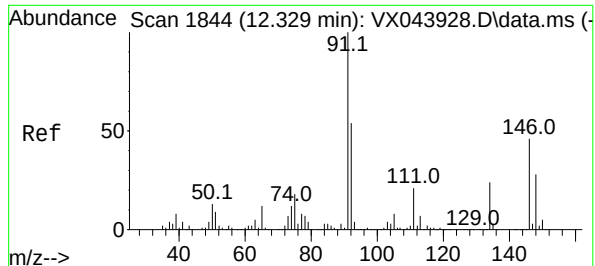
Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 3212      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 35.0  | 20.1 60.3 |
| 148         | 52.6  | 30.9 92.8 |





#89

n-Butylbenzene

Concen: 0.690 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

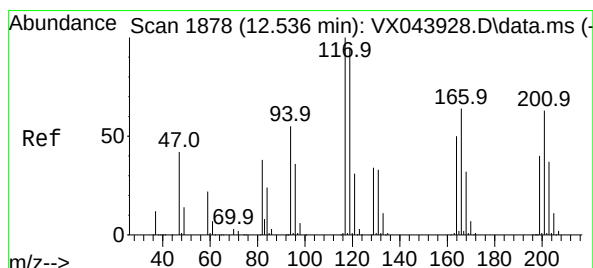
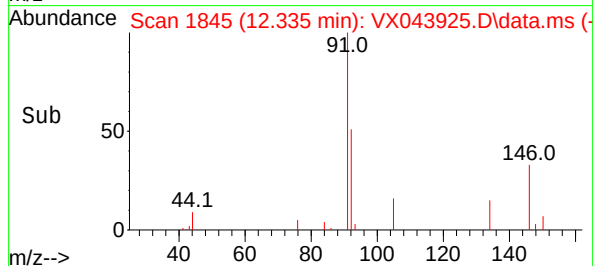
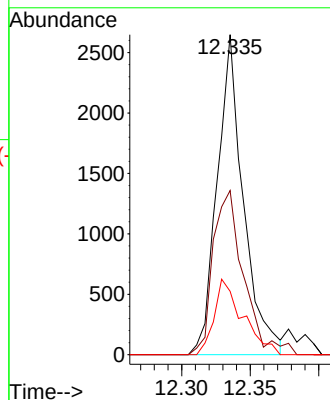
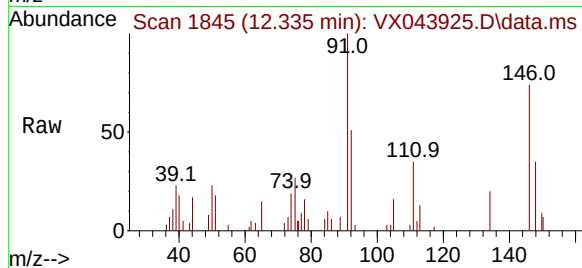
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 91    | Resp: | 352  |
| Ion Ratio | Lower | Upper |      |
| 91        | 100   |       |      |
| 92        | 59.8  | 26.6  | 79.8 |
| 134       | 25.8  | 12.4  | 37.2 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 0.848 ug/l

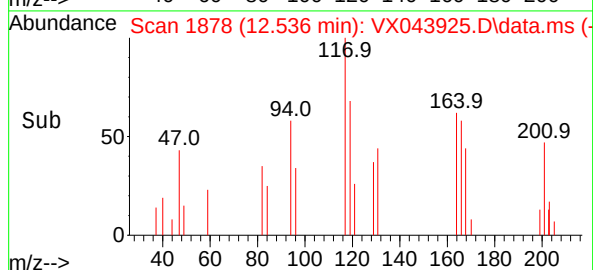
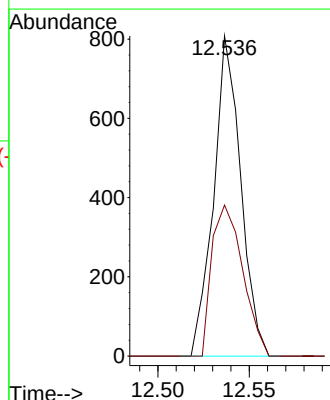
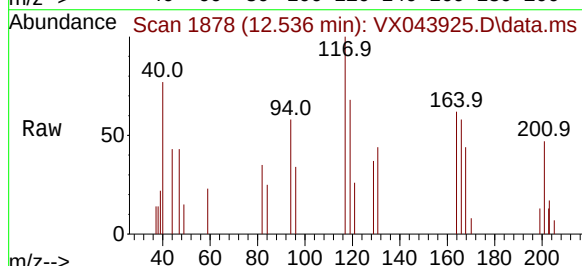
RT: 12.536 min Scan# 1878

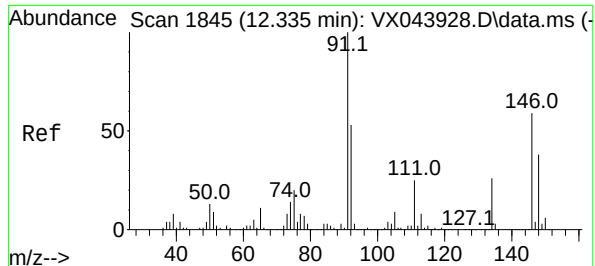
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 117   | Resp: | 835  |
| Ion Ratio | Lower | Upper |      |
| 117       | 100   |       |      |
| 201       | 53.7  | 32.4  | 97.0 |





#91

1,2-Dichlorobenzene

Concen: 0.893 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

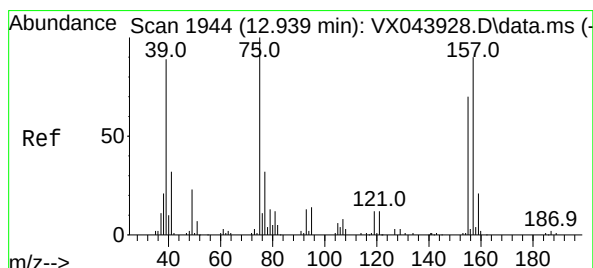
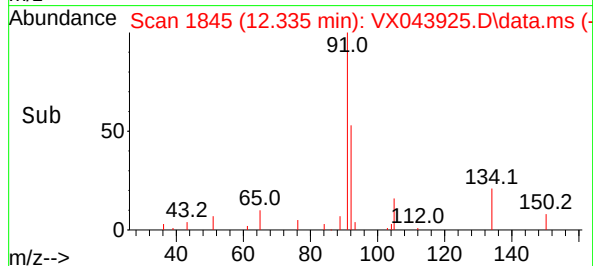
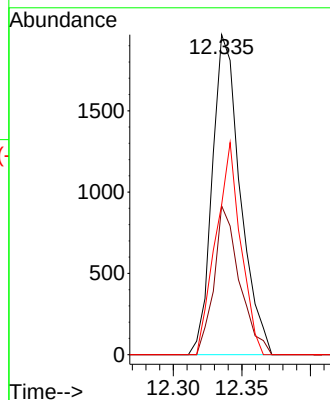
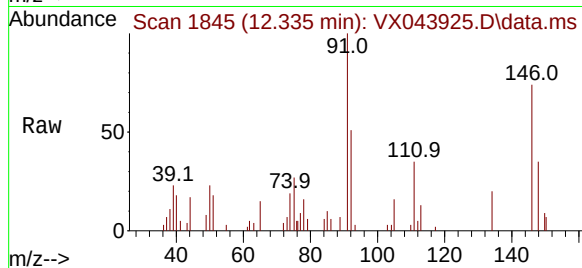
|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 2790      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 42.2  | 21.5 64.5 |
| 148         | 58.8  | 31.9 95.5 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.807 ug/l

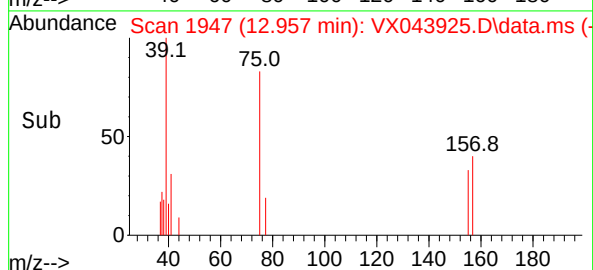
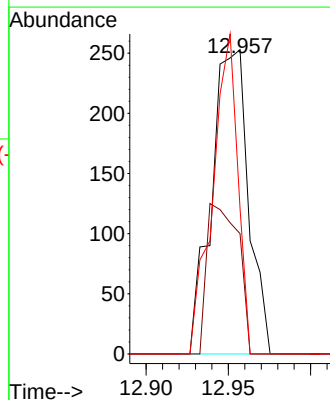
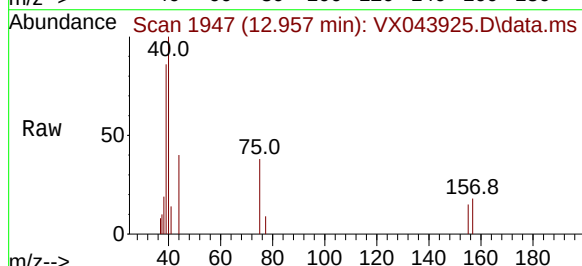
RT: 12.957 min Scan# 1947

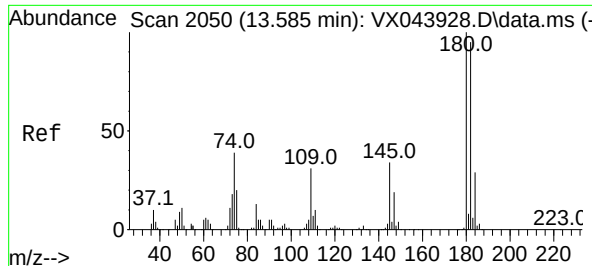
Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|             |       |            |
|-------------|-------|------------|
| Tgt Ion: 75 | Resp: | 395        |
| Ion Ratio   | Lower | Upper      |
| 75          | 100   |            |
| 155         | 42.0  | 40.1 120.2 |
| 157         | 71.6  | 49.6 149.0 |





#93

1,2,4-Trichlorobenzene

Concen: 0.854 ug/l

RT: 13.597 min Scan# 2050

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

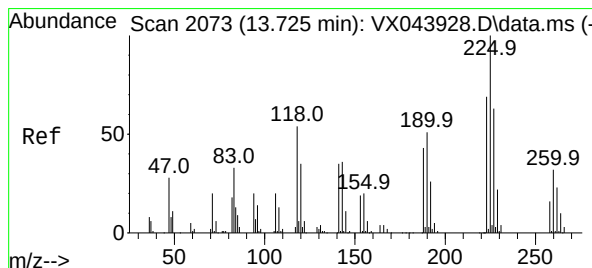
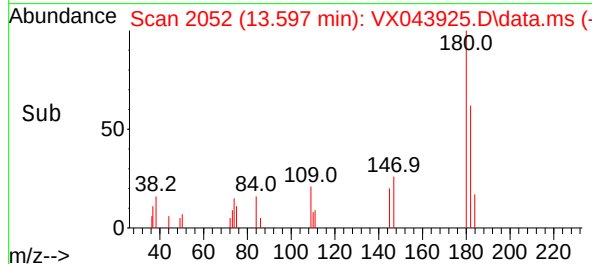
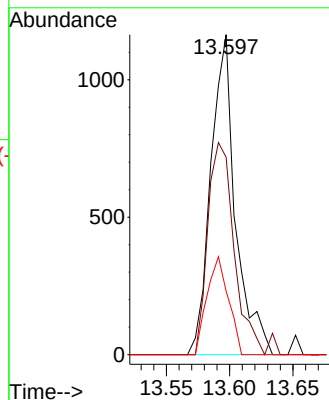
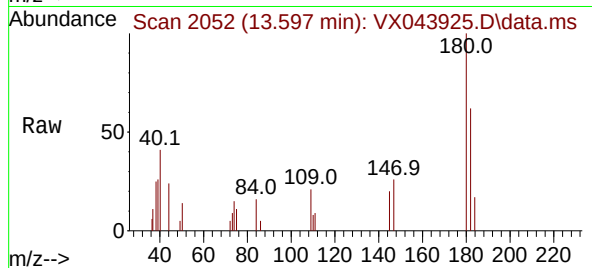
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1570  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 70.6  | 48.0  | 144.2 |
| 145       | 26.6  | 16.8  | 50.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 0.972 ug/l

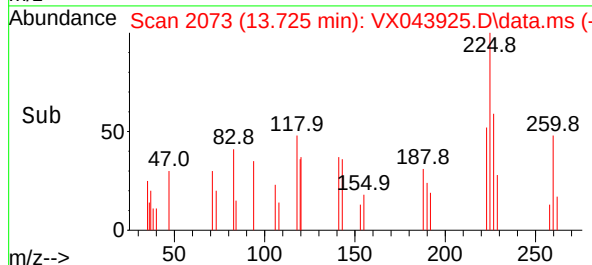
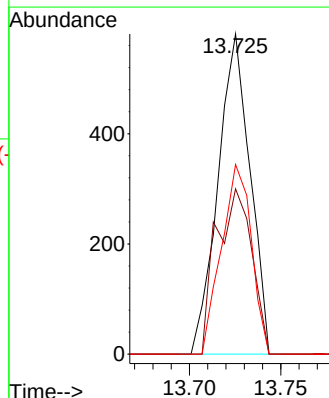
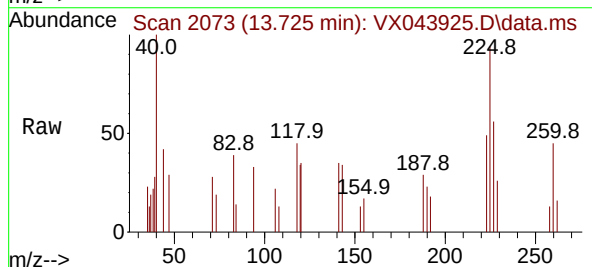
RT: 13.725 min Scan# 2073

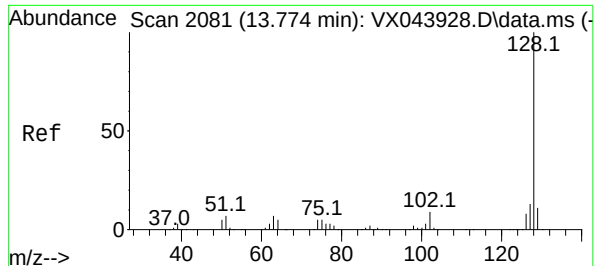
Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 225   | Resp: | 709  |
| Ion Ratio | Lower | Upper |      |
| 225       | 100   |       |      |
| 223       | 57.1  | 32.9  | 98.6 |
| 227       | 55.3  | 31.6  | 94.8 |





#95

Naphthalene

Concen: 0.728 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

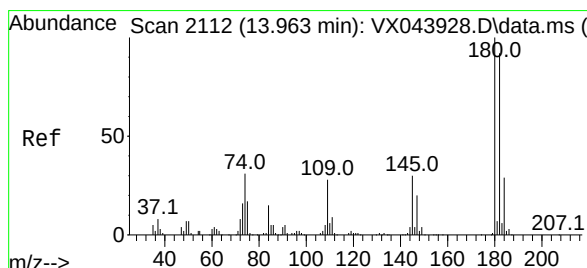
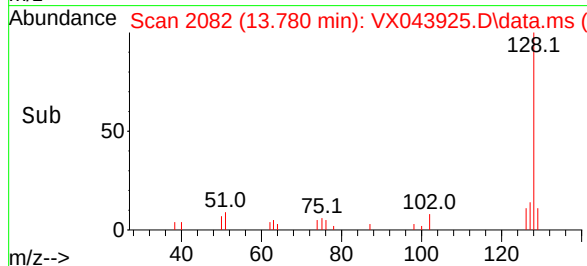
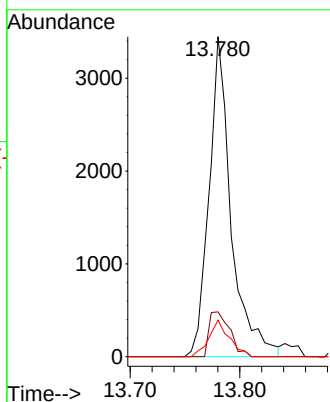
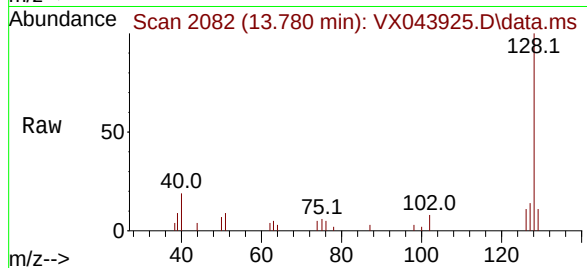
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 483  |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 13.1  | 10.2  | 15.2 |
| 129       | 10.6  | 8.6   | 12.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 0.749 ug/l

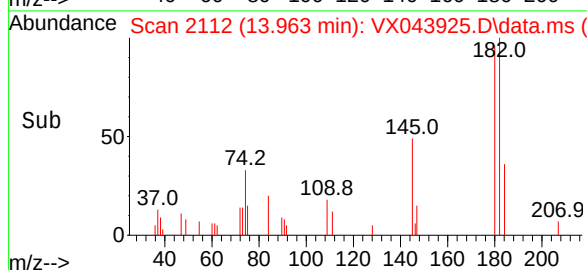
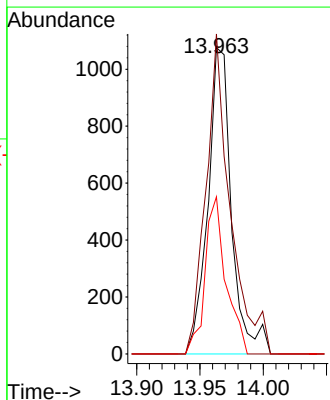
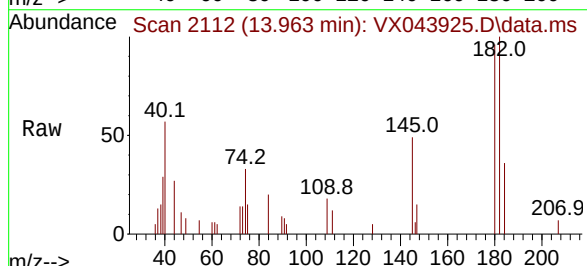
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 1398  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 107.8 | 45.6  | 136.8 |
| 145       | 45.3  | 16.4  | 49.4  |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043926.D  
 Acq On : 21 Nov 2024 10:14  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

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

Quant Time: Nov 22 03:28:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.543          | 168  | 150793     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 264969     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 223514     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024         | 152  | 96662      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 13961      | 5.398    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 10.800%# |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 9842       | 5.198    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 10.400%# |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 35173      | 5.389    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 10.780%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 10618      | 4.780    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 9.560%#  |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 9545       | 4.997    | ug/l   | 87       |
| 3) Chloromethane             | 1.294          | 50   | 9980       | 4.965    | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.373          | 62   | 10682      | 4.996    | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 6415       | 4.877    | ug/l   | 90       |
| 6) Chloroethane              | 1.666          | 64   | 6474       | 4.969    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 19099      | 4.996    | ug/l   | 91       |
| 8) Diethyl Ether             | 2.129          | 74   | 6480       | 4.651    | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318          | 101  | 8824       | 4.839    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.440          | 142  | 9897       | 4.346    | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 9278m      | 22.349   | ug/l   |          |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 7987       | 4.597    | ug/l   | 87       |
| 13) Acrolein                 | 2.239          | 56   | 11940      | 27.287   | ug/l   | 97       |
| 14) Allyl chloride           | 2.654          | 41   | 12874      | 4.534    | ug/l   | 96       |
| 15) Acrylonitrile            | 3.062          | 53   | 24290      | 24.010   | ug/l   | 99       |
| 16) Acetone                  | 2.385          | 43   | 29886      | 25.159   | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.495          | 76   | 14415      | 4.022    | ug/l # | 94       |
| 18) Methyl Acetate           | 2.702          | 43   | 13127      | 4.745    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 30022      | 4.759    | ug/l # | 88       |
| 20) Methylene Chloride       | 2.782          | 84   | 9895       | 4.909    | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.080          | 96   | 8486       | 4.730    | ug/l # | 80       |
| 22) Diisopropyl ether        | 3.757          | 45   | 29102      | 4.794    | ug/l # | 65       |
| 23) Vinyl Acetate            | 3.721          | 43   | 116242     | 22.382   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 16857      | 4.813    | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 36680      | 23.931   | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.458          | 77   | 15040      | 4.755    | ug/l # | 76       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 10153      | 4.579    | ug/l   | 96       |
| 28) Bromochloromethane       | 4.891          | 49   | 9210       | 5.974    | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.007          | 42   | 23518      | 25.028   | ug/l   | 96       |
| 30) Chloroform               | 5.086          | 83   | 18661      | 4.954    | ug/l   | 97       |
| 31) Cyclohexane              | 5.458          | 56   | 13740      | 4.767    | ug/l # | 85       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 15162      | 4.667    | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 11406      | 4.834    | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.720          | 43   | 14551m     | 4.968    | ug/l   |          |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 12348      | 4.658    | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.372          | 83   | 14721      | 4.803    | ug/l   | 95       |
| 40) Benzene                  | 6.031          | 78   | 36283      | 4.937    | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043926.D  
 Acq On : 21 Nov 2024 10:14  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

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

Quant Time: Nov 22 03:28:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 7355     | 4.907   | ug/l # | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 14467    | 4.901   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 22267    | 4.777   | ug/l   | 99       |
| 44) Trichloroethene           | 7.128  | 130  | 9852     | 4.736   | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 8525     | 4.736   | ug/l   | 91       |
| 46) Dibromomethane            | 7.586  | 93   | 6372     | 4.475   | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.823  | 83   | 11249    | 4.405   | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.695  | 41   | 10190    | 4.556   | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.677  | 88   | 4090m    | 106.070 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 69843    | 24.556  | ug/l   | 97       |
| 52) Toluene                   | 8.714  | 92   | 22218    | 5.051   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 10937    | 4.200   | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 12253    | 4.292   | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 9000     | 4.957   | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 12381    | 4.378   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 15211    | 4.973   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 43351    | 27.673  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 52072    | 24.357  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 7738     | 4.247   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 8985     | 4.894   | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.274  | 164  | 7642     | 5.185   | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 24792    | 5.050   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 7421     | 4.661   | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 40927    | 4.920   | ug/l   | 95       |
| 68) m/p-Xylenes               | 10.305 | 106  | 29635    | 9.553   | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 14856    | 4.905   | ug/l   | 98       |
| 70) Styrene                   | 10.658 | 104  | 22907    | 4.573   | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 4476     | 5.004   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 37958    | 5.109   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 15928    | 4.627   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 13107    | 5.152   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 12040m   | 5.776   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 9259     | 5.224   | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 39774    | 4.793   | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 26740    | 5.096   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 30114    | 4.926   | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 2880     | 3.707   | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 29049    | 4.903   | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 29934    | 4.940   | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 30674    | 5.040   | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 37899    | 5.105   | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 29412    | 4.878   | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 16008    | 4.959   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 15837    | 4.831   | ug/l   | 89       |
| 89) n-Butylbenzene            | 12.335 | 91   | 24938    | 4.691   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 4279     | 4.173   | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 16747    | 5.140   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 2454     | 4.814   | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 8746     | 4.553   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 3713     | 4.891   | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 32485    | 4.698   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 9280     | 4.773   | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043926.D  
Acq On : 21 Nov 2024 10:14  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

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

Quant Time: Nov 22 03:28:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

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

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

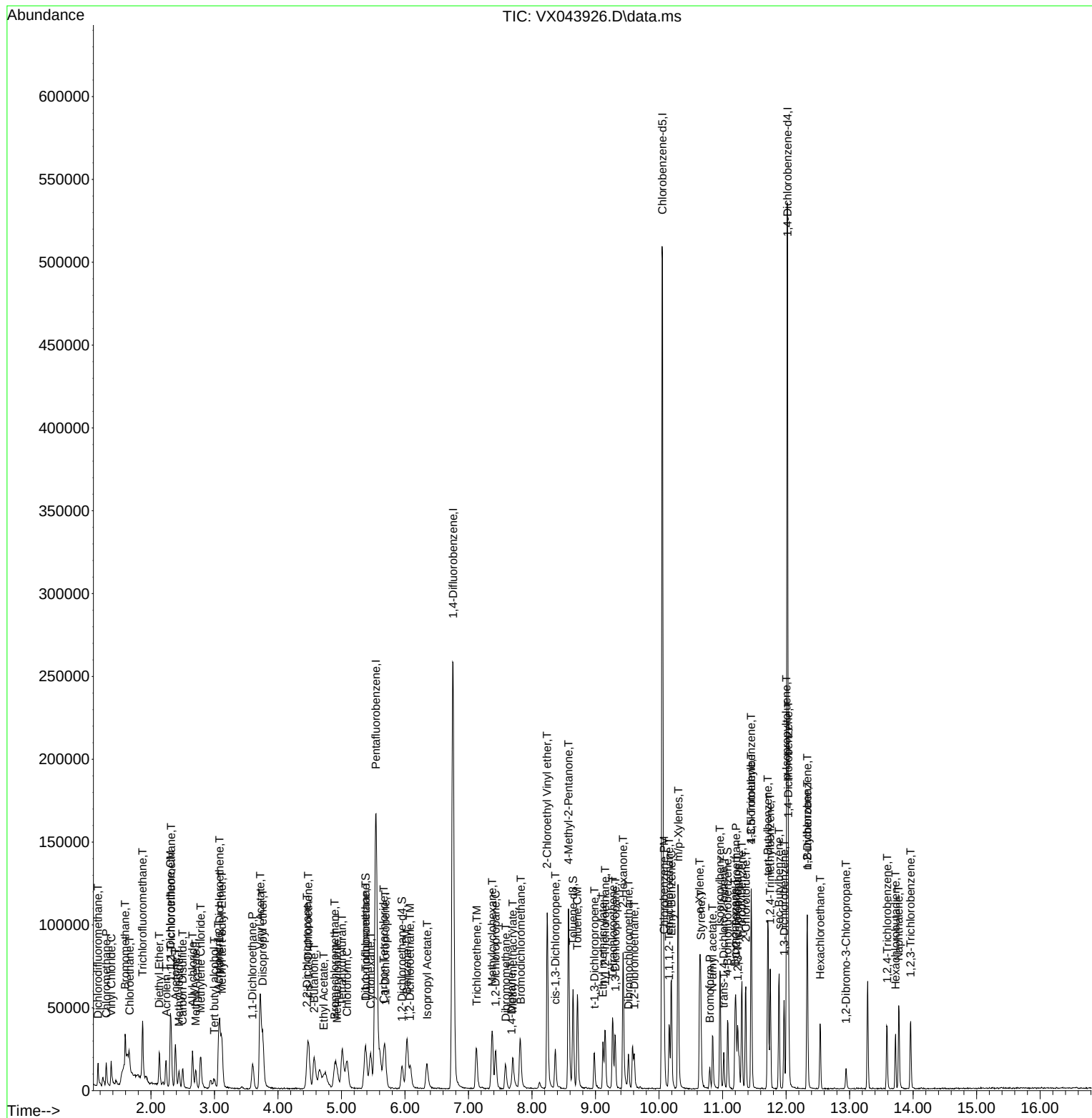
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043926.D  
Acq On : 21 Nov 2024 10:14  
Operator : JC/MD  
Sample : VSTDIC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

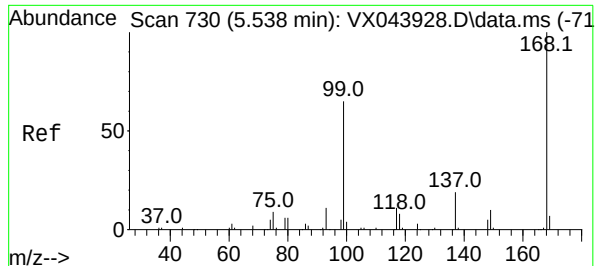
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Manual Integrations  
APPROVED

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

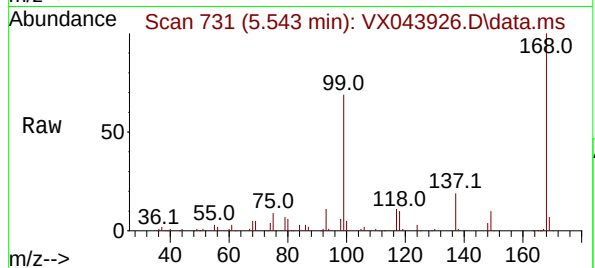
Quant Time: Nov 22 03:28:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. 0.005 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

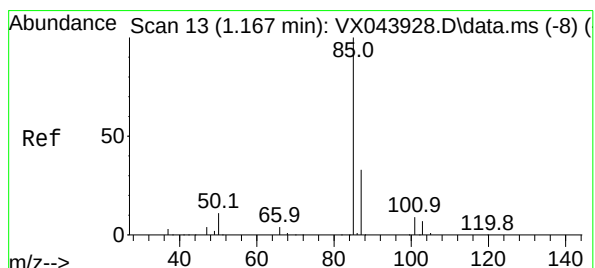
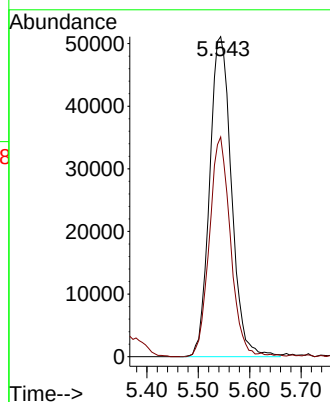
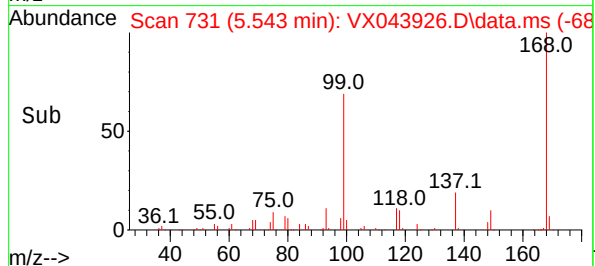
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005



Tgt Ion:168 Resp: 150793  
Ion Ratio Lower Upper  
168 100  
99 68.6 51.8 77.8

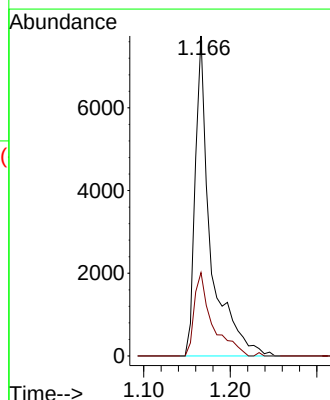
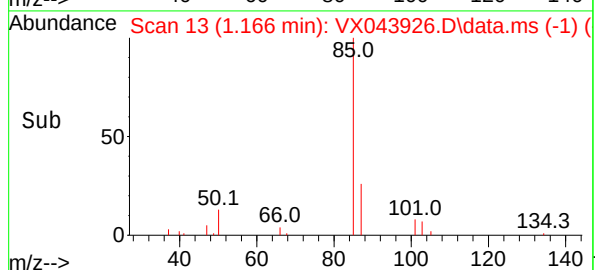
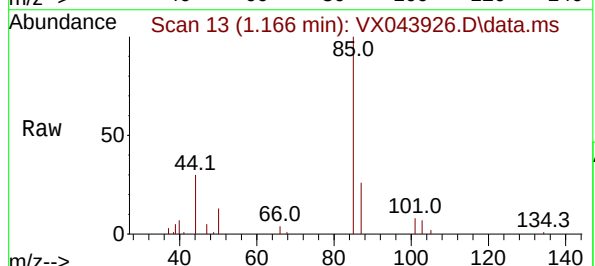
Manual Integrations  
APPROVED

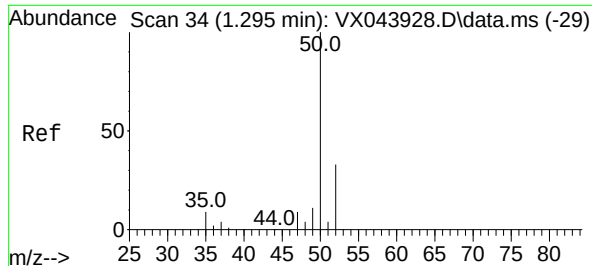
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#2  
Dichlorodifluoromethane  
Concen: 4.997 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545  
Ion Ratio Lower Upper  
85 100  
87 26.0 16.6 49.8





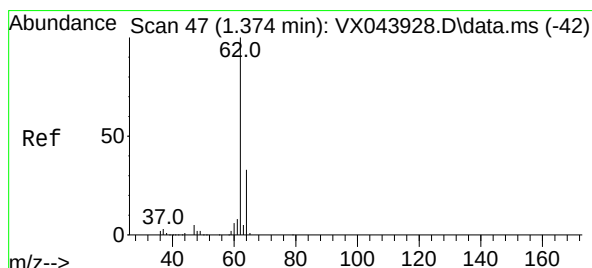
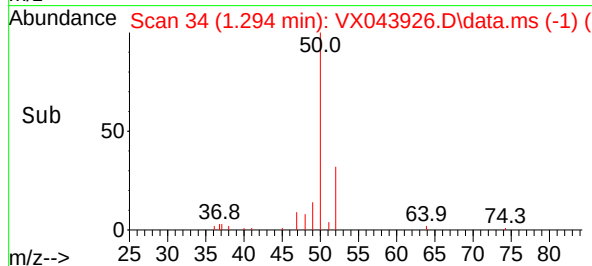
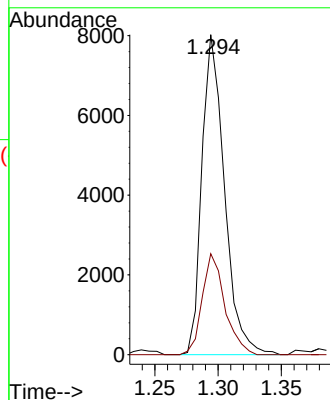
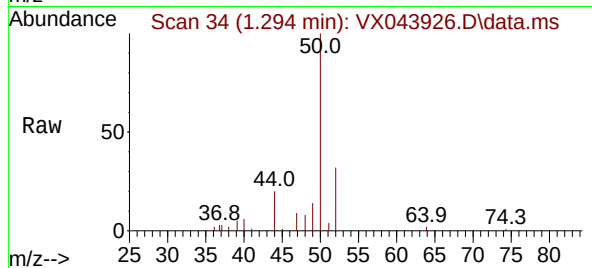
#3  
Chloromethane  
Concen: 4.965 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 50 Resp: 9980  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.1 39.1

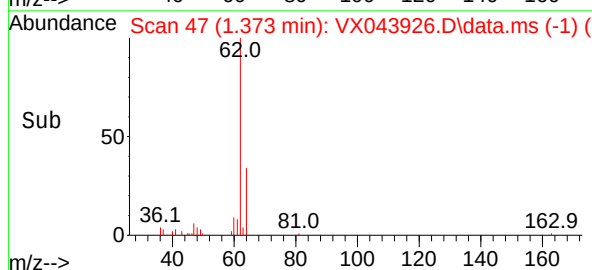
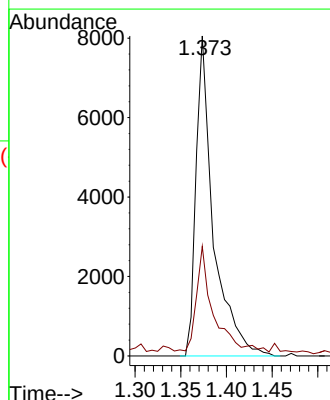
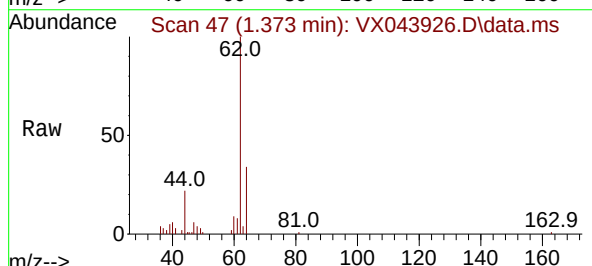
Manual Integrations  
APPROVED

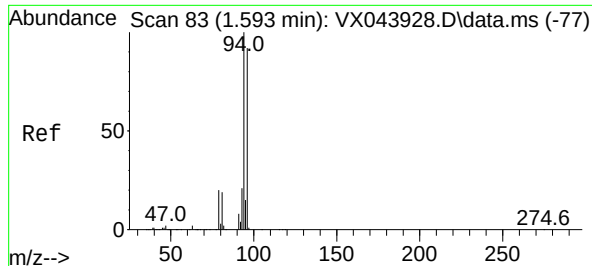
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#4  
Vinyl Chloride  
Concen: 4.996 ug/l  
RT: 1.373 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682  
Ion Ratio Lower Upper  
62 100  
64 32.8 26.2 39.4





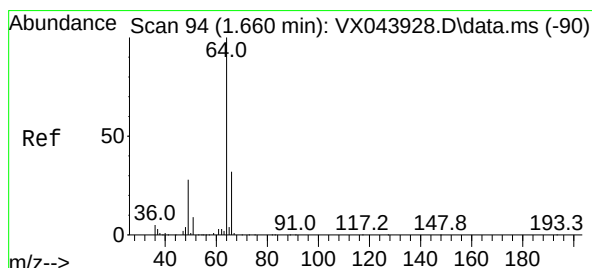
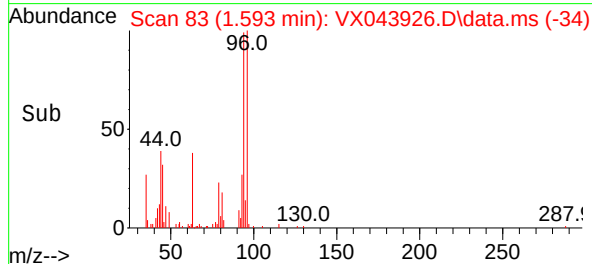
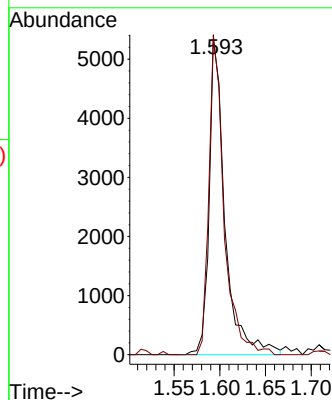
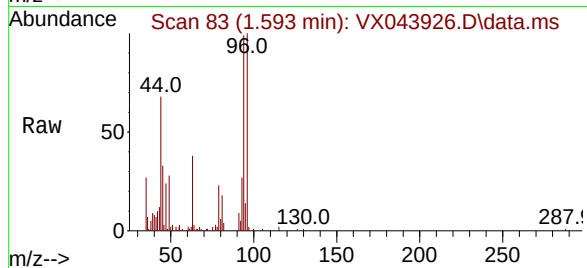
#5  
Bromomethane  
Concen: 4.877 ug/l  
RT: 1.593 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 94 Resp: 6415  
Ion Ratio Lower Upper  
94 100  
96 101.5 73.9 110.9

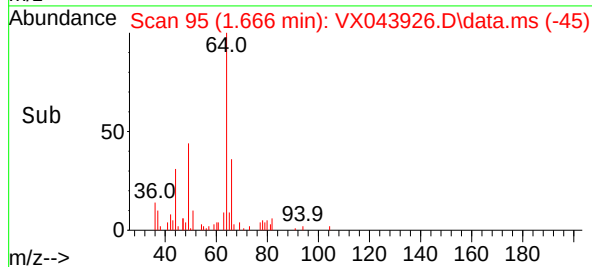
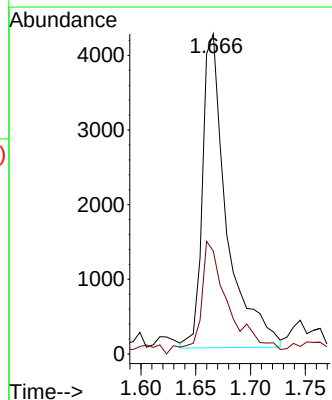
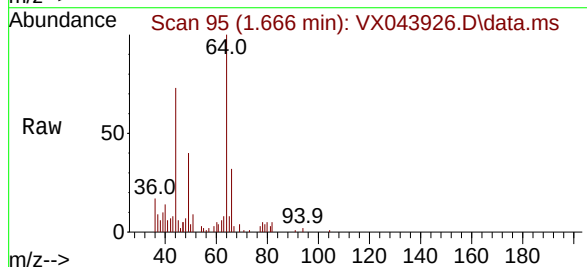
Manual Integrations  
APPROVED

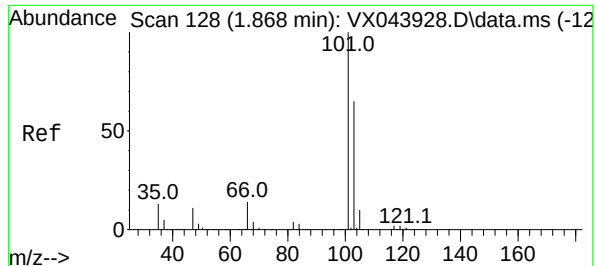
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#6  
Chloroethane  
Concen: 4.969 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

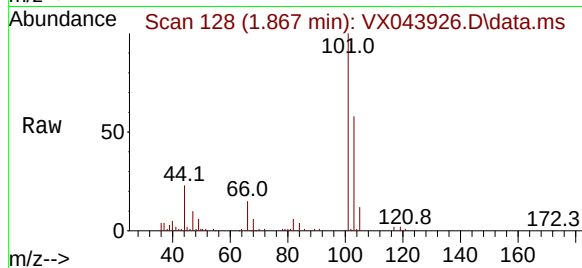
Tgt Ion: 64 Resp: 6474  
Ion Ratio Lower Upper  
64 100  
66 31.8 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 4.996 ug/l  
RT: 1.867 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

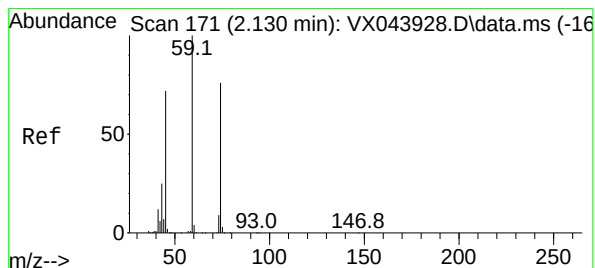
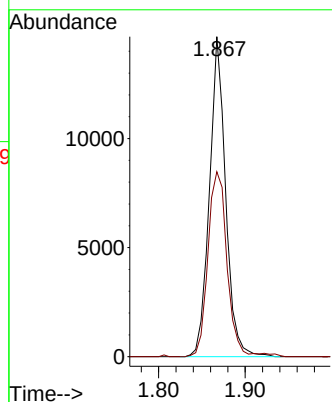
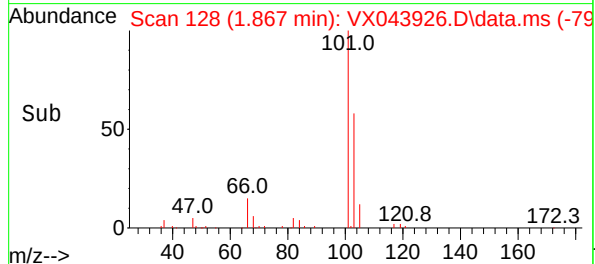
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005



Tgt Ion:101 Resp: 1909  
Ion Ratio Lower Upper  
101 100  
103 57.8 52.2 78.2

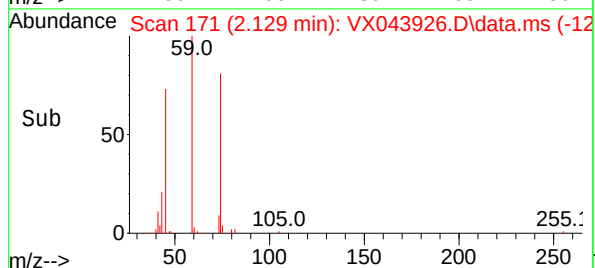
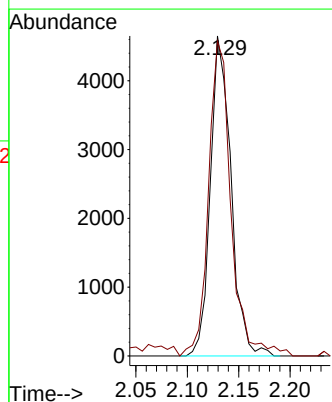
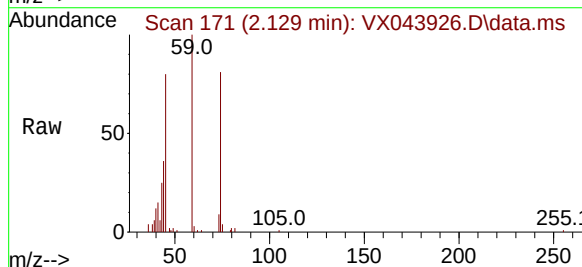
Manual Integrations  
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Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024

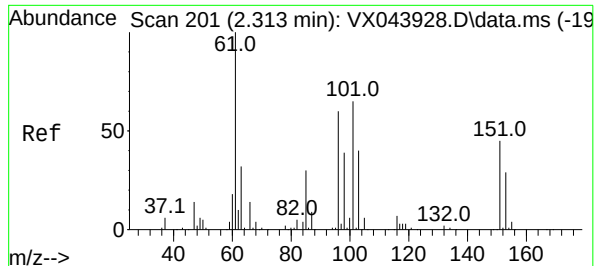


#8  
Diethyl Ether  
Concen: 4.651 ug/l  
RT: 2.129 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480  
Ion Ratio Lower Upper  
74 100  
45 106.9 47.9 143.6







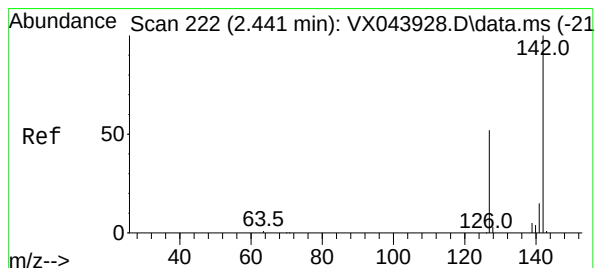
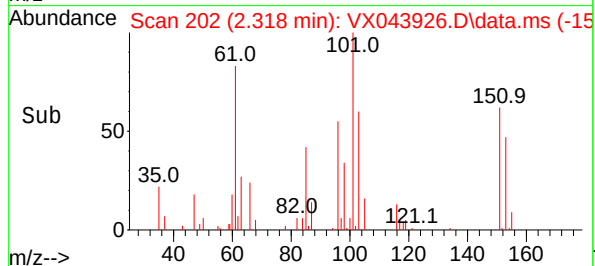
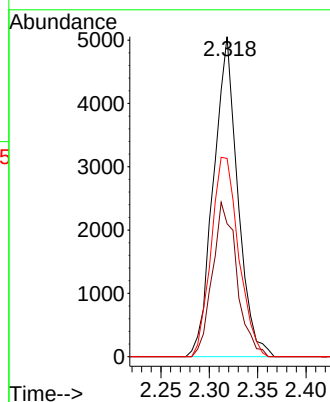
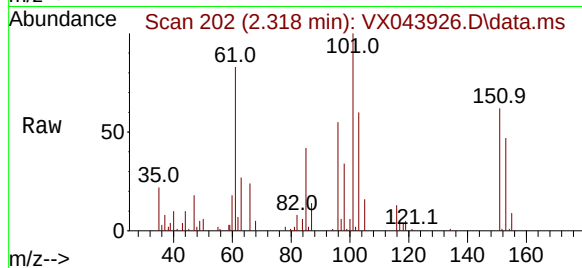
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.839 ug/l  
RT: 2.318 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:101 Resp: 8824  
Ion Ratio Lower Upper  
101 100  
85 48.4 37.9 56.9  
151 70.3 57.5 86.3

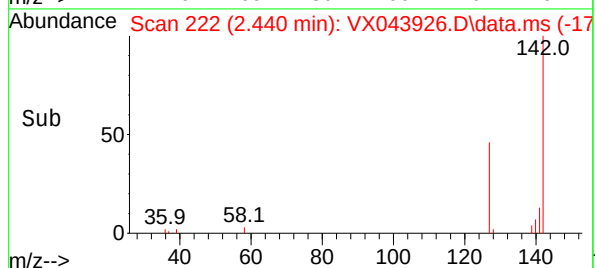
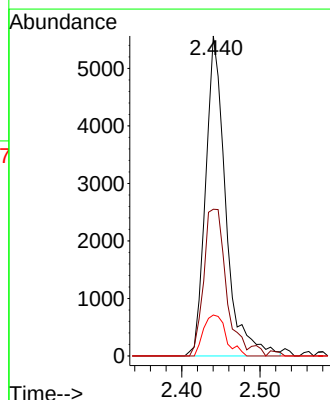
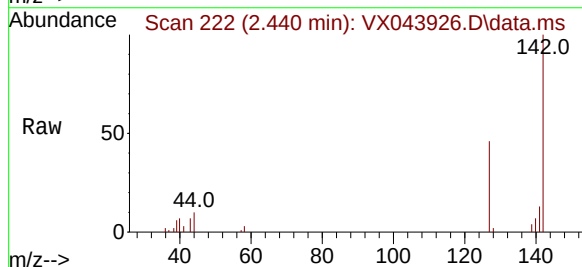
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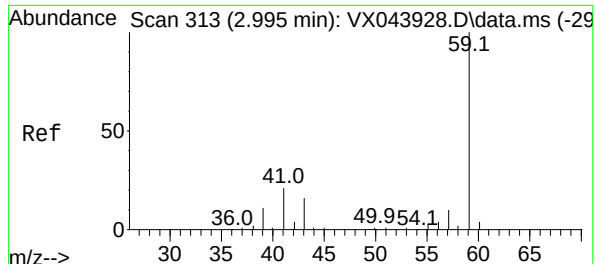
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#10  
Methyl Iodide  
Concen: 4.346 ug/l  
RT: 2.440 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897  
Ion Ratio Lower Upper  
142 100  
127 52.4 40.7 61.1  
141 14.4 12.0 18.0





#11

Tert butyl alcohol

Concen: 22.349 ug/l m

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 59 Resp: 9278

Ion Ratio Lower Upper

59 100

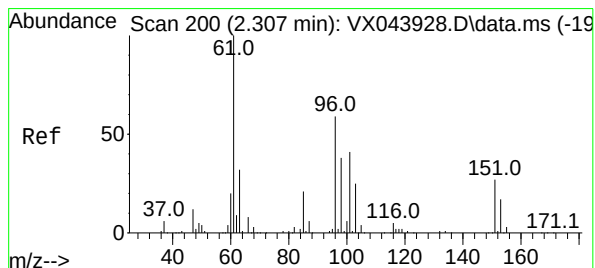
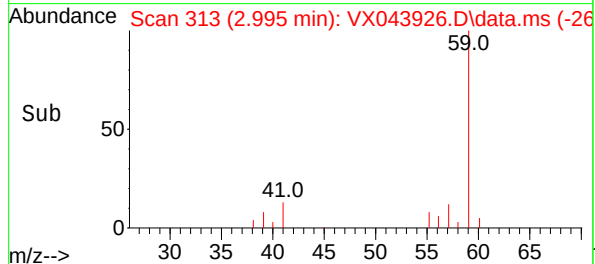
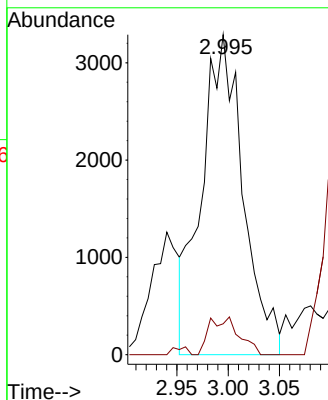
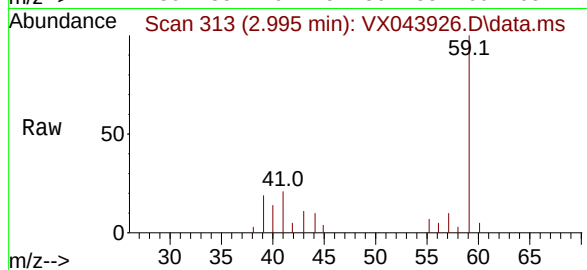
57 8.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 4.597 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

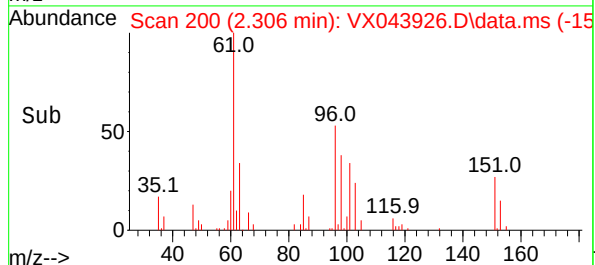
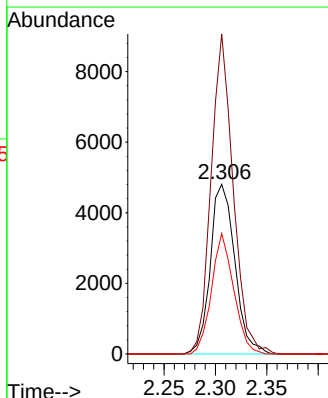
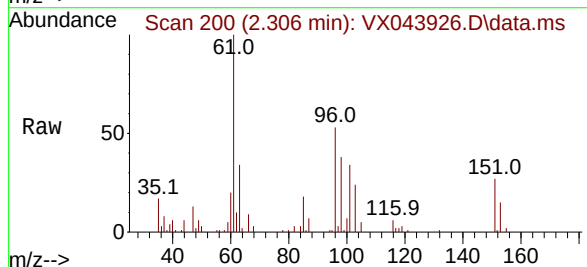
Tgt Ion: 96 Resp: 7987

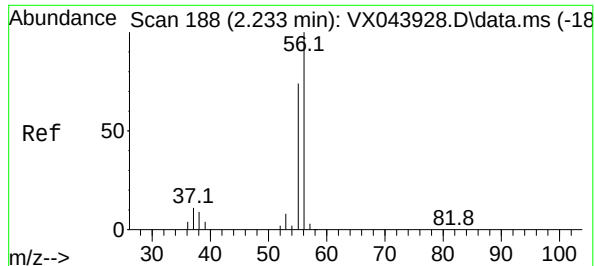
Ion Ratio Lower Upper

96 100

61 188.7 135.5 203.3

98 71.1 50.8 76.2





#13

Acrolein

Concen: 27.287 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 56 Resp: 11940

Ion Ratio Lower Upper

56 100

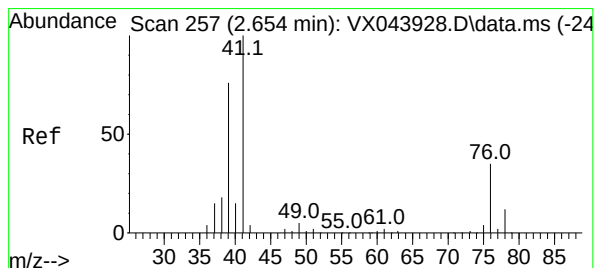
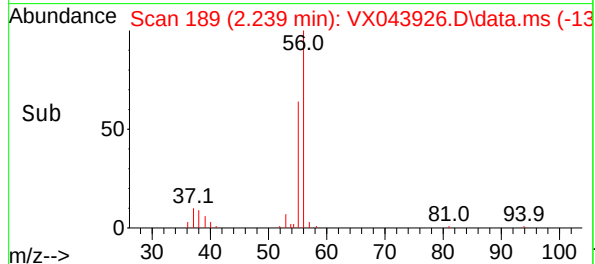
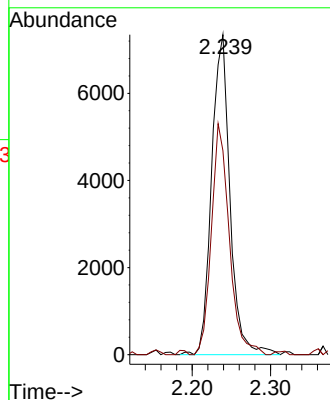
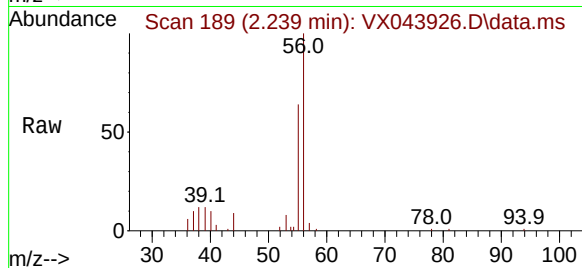
55 70.5 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 4.534 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

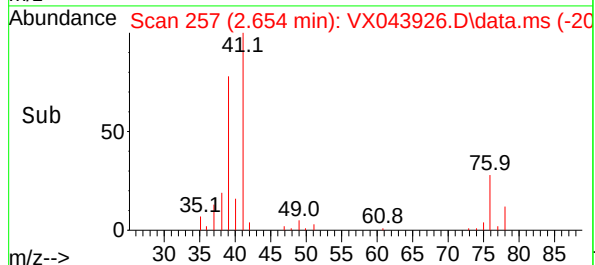
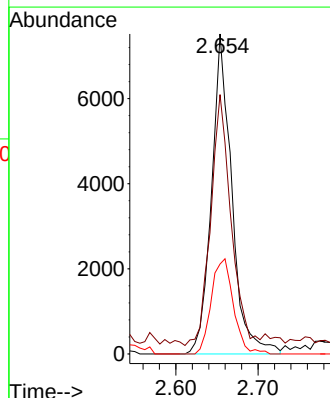
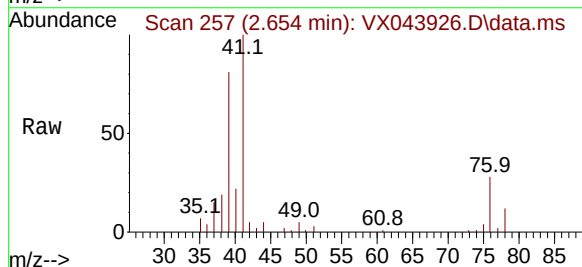
Tgt Ion: 41 Resp: 12874

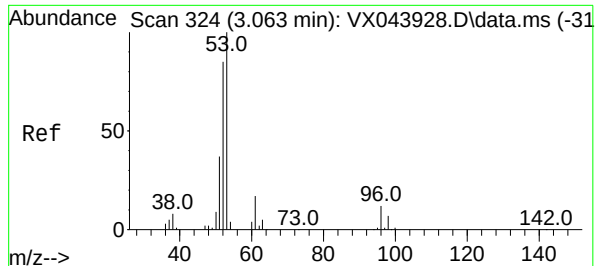
Ion Ratio Lower Upper

41 100

39 78.5 59.5 89.3

76 32.4 27.4 41.2





#15

Acrylonitrile

Concen: 24.010 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

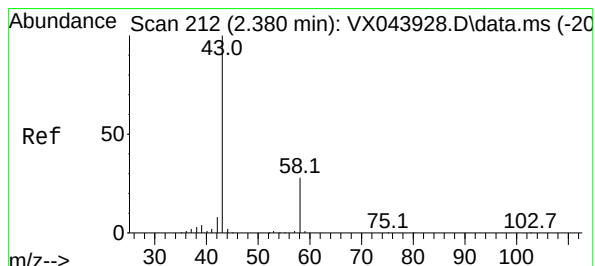
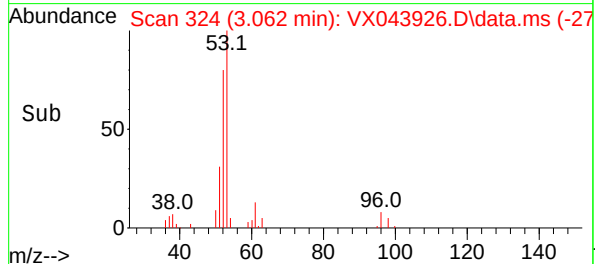
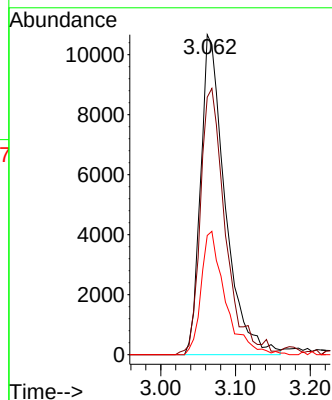
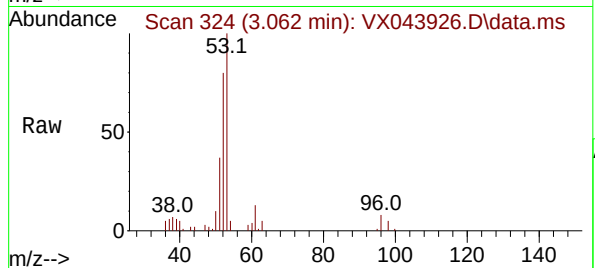
VSTDIC005

|             |                |
|-------------|----------------|
| Tgt Ion: 53 | Resp: 24290    |
| Ion Ratio   | Lower Upper    |
| 53          | 100            |
| 52          | 84.7 66.5 99.7 |
| 51          | 38.0 30.2 45.4 |

Manual Integrations

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



#16

Acetone

Concen: 25.159 ug/l

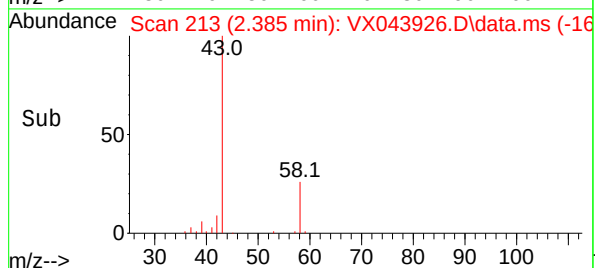
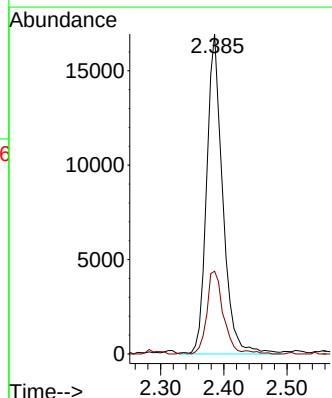
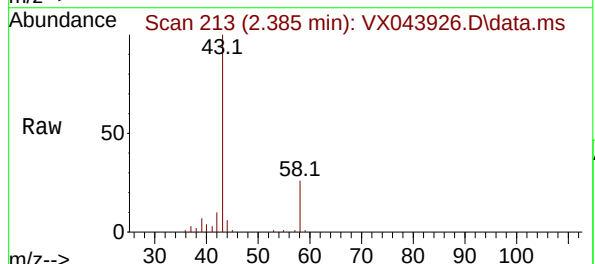
RT: 2.385 min Scan# 213

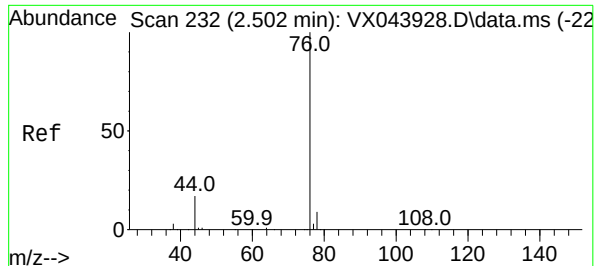
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 29886    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 58          | 25.9 22.7 34.1 |





#17

Carbon Disulfide

Concen: 4.022 ug/l

RT: 2.495 min Scan# 231

Delta R.T. -0.007 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 76 Resp: 14415

Ion Ratio Lower Upper

76

100

78

6.8

7.0

10.6

10.6

Instrument :

MSVOA\_X

ClientSampleId :

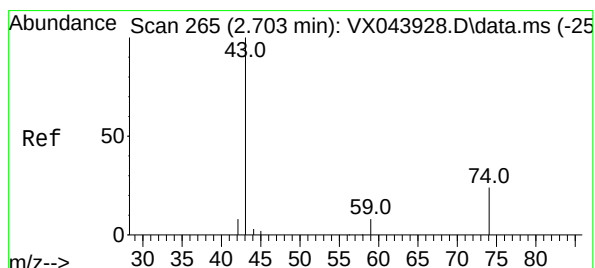
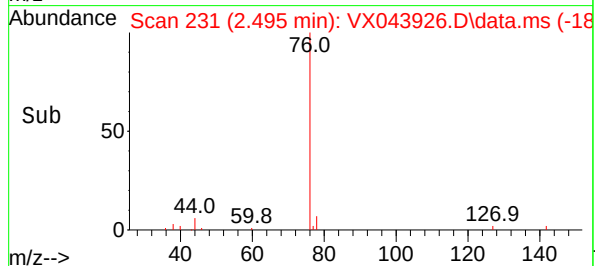
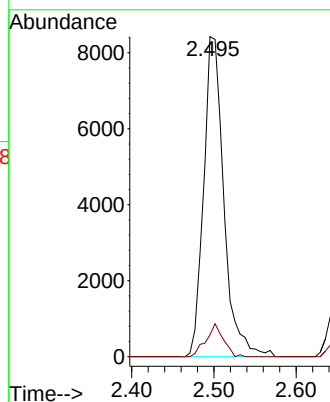
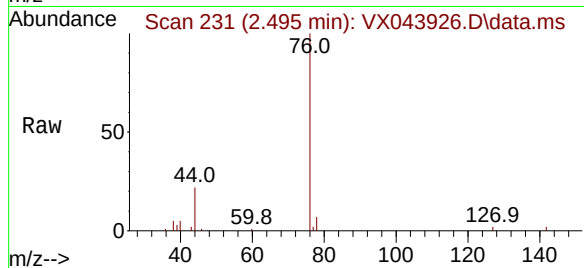
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 4.745 ug/l

RT: 2.702 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127

Ion Ratio Lower Upper

43

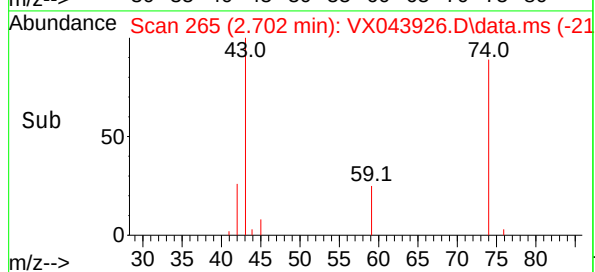
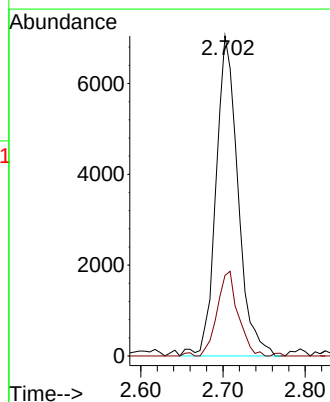
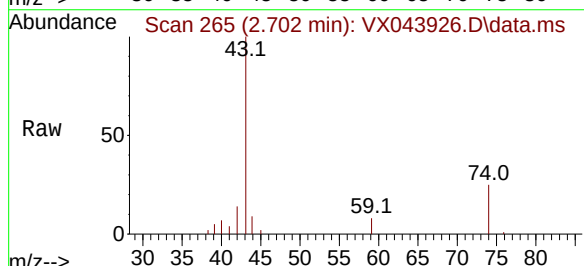
100

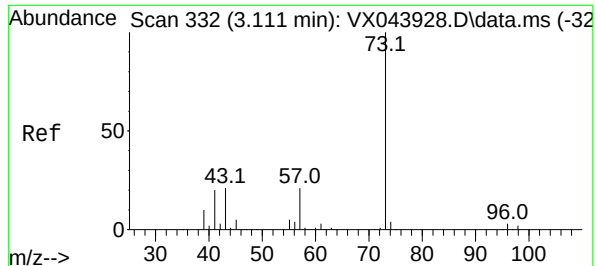
74

25.0

18.9

28.3





#19

Methyl tert-butyl Ether

Concen: 4.759 ug/l

RT: 3.117 min Scan# 3002

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 73 Resp: 3002

Ion Ratio Lower Upper

73 100

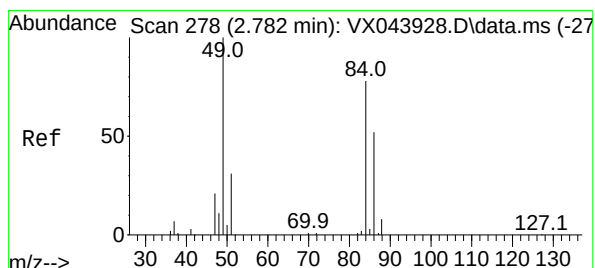
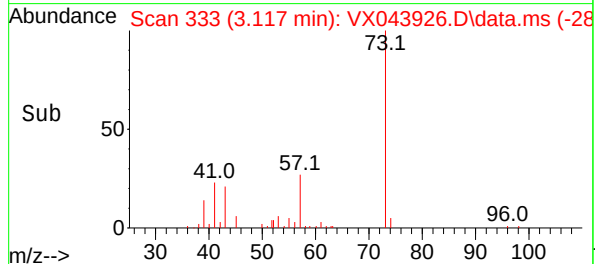
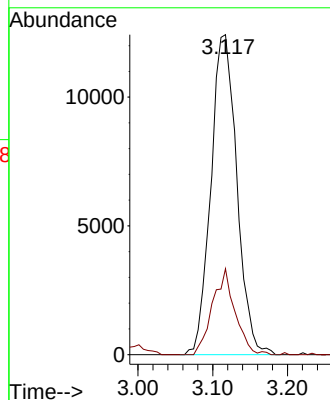
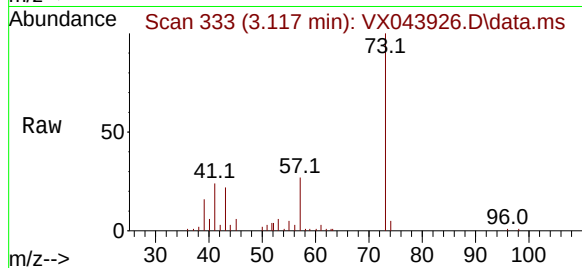
57 26.8 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 4.909 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

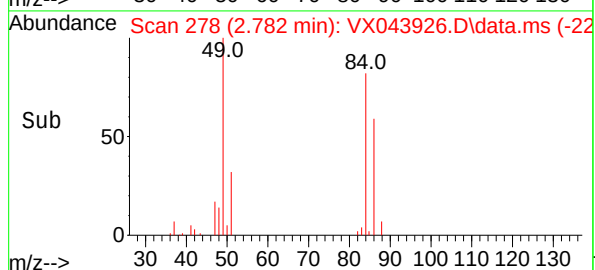
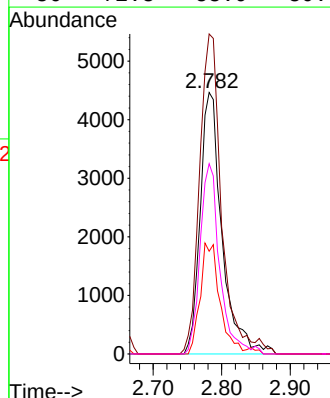
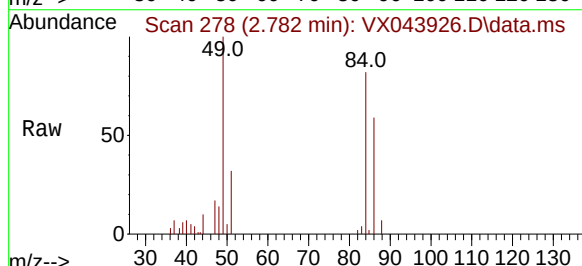
Ion Ratio Lower Upper

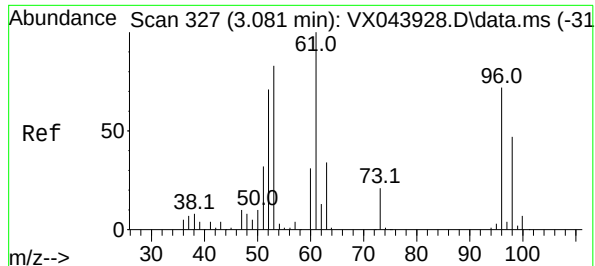
84 100

49 122.4 102.7 154.1

51 39.3 31.7 47.5

86 72.8 53.9 80.9





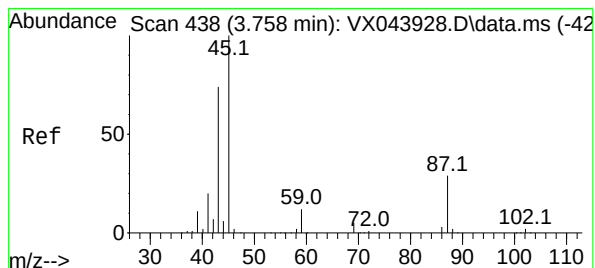
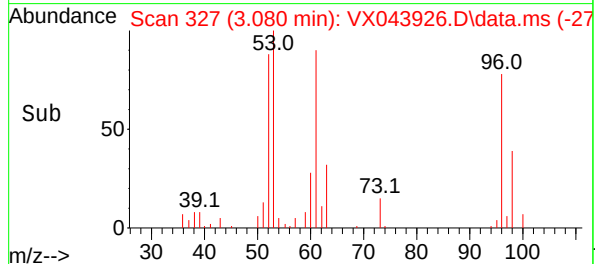
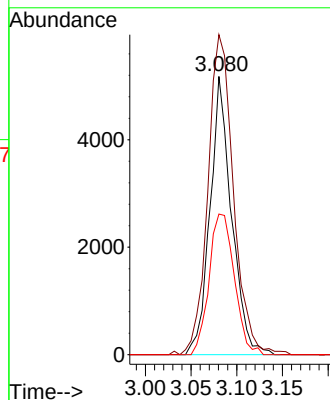
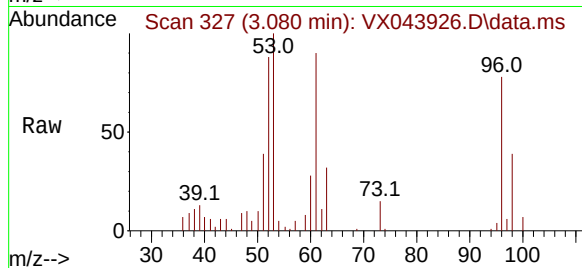
#21  
trans-1,2-Dichloroethene  
Concen: 4.730 ug/l  
RT: 3.080 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion: 96 Resp: 8480  
Ion Ratio Lower Upper  
96 100  
61 115.0 111.8 167.6  
98 50.6 52.7 79.1

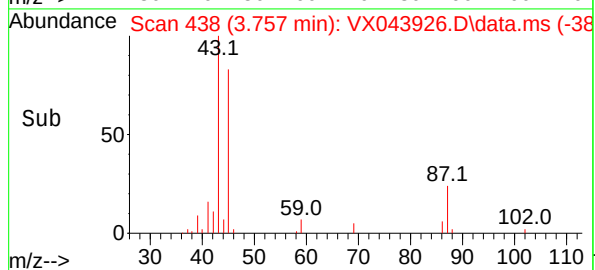
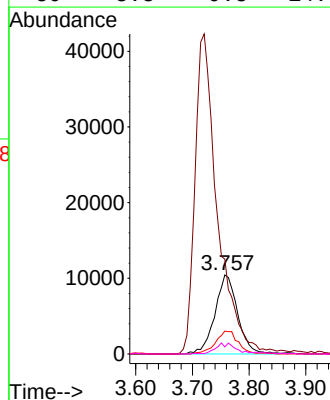
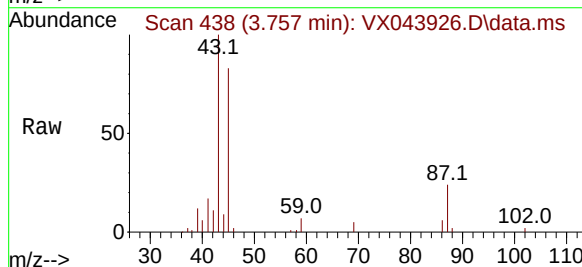
Manual Integrations  
APPROVED

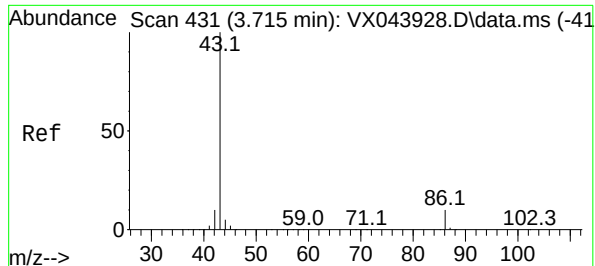
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#22  
Diisopropyl ether  
Concen: 4.794 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102  
Ion Ratio Lower Upper  
45 100  
43 118.7 59.6 89.4#  
87 29.0 22.9 34.3  
59 8.8 9.8 14.6#





#23

Vinyl Acetate

Concen: 22.382 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 11624

Ion Ratio Lower Upper

43 100

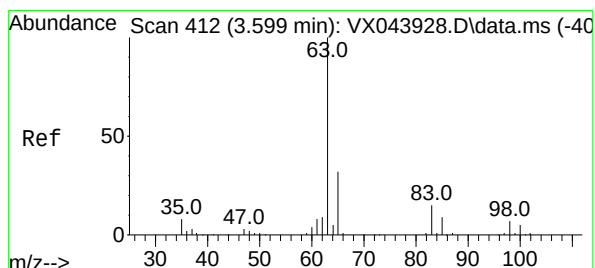
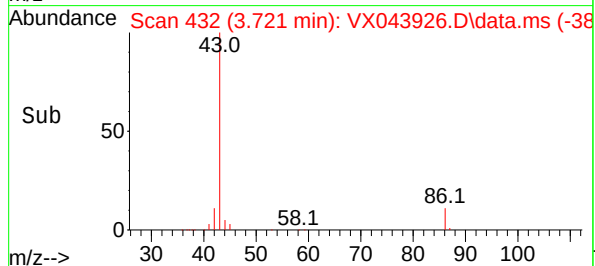
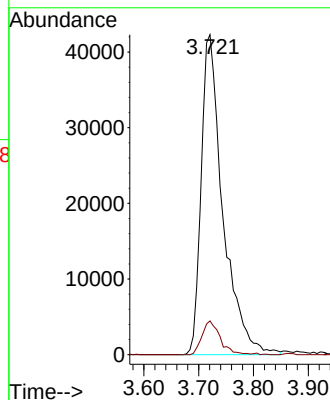
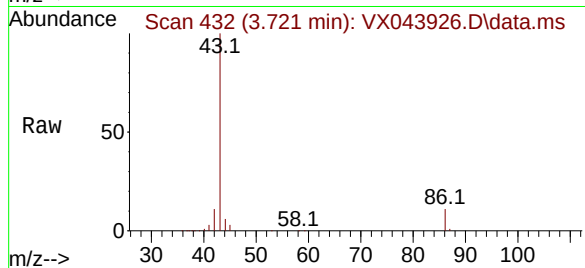
86 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 4.813 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

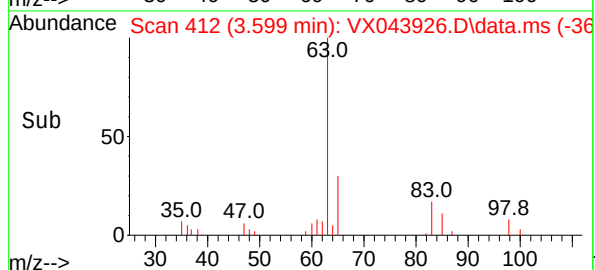
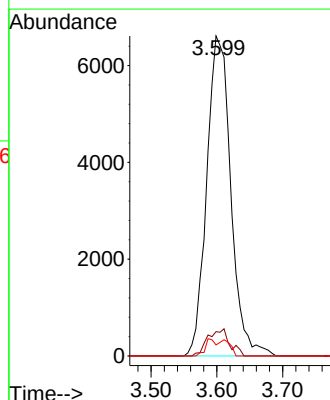
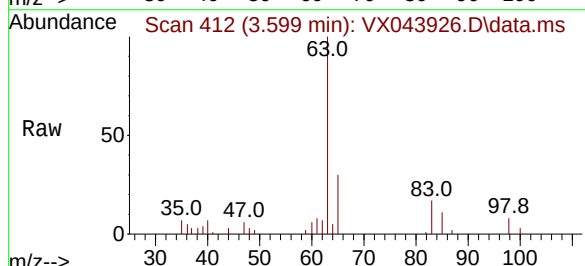
Tgt Ion: 63 Resp: 16857

Ion Ratio Lower Upper

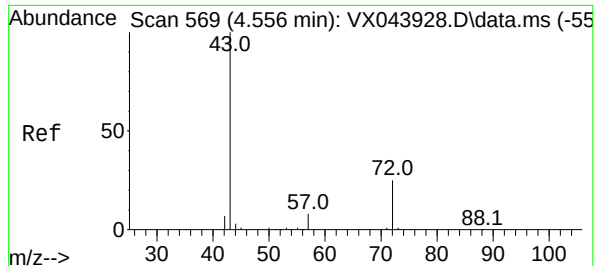
63 100

98 7.6 3.5 10.6

100 3.5 2.4 7.1







#25

2-Butanone

Concen: 23.931 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 43 Resp: 36680

Ion Ratio Lower Upper

43 100

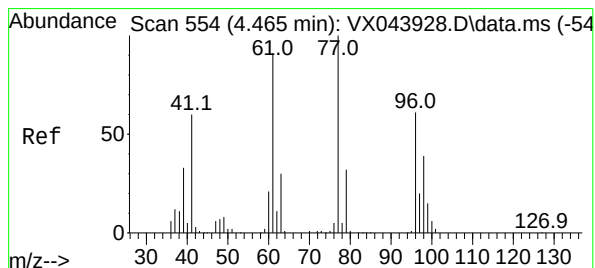
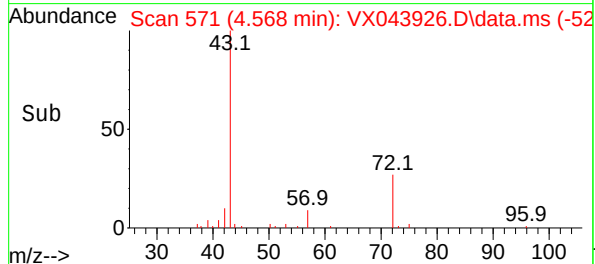
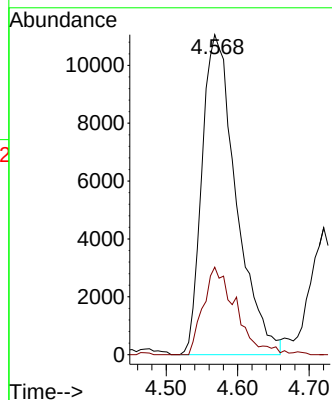
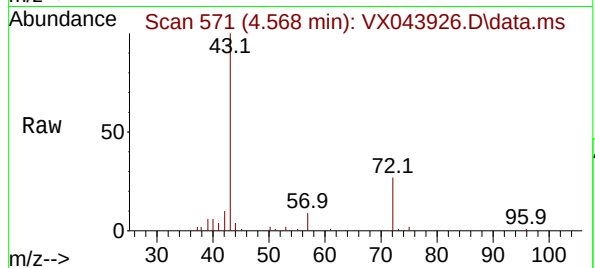
72 27.4 20.2 30.2

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 4.755 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.007 min

Lab File: VX043926.D

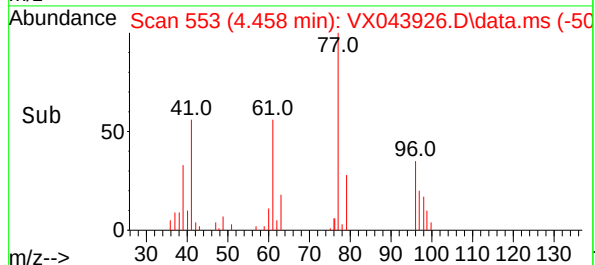
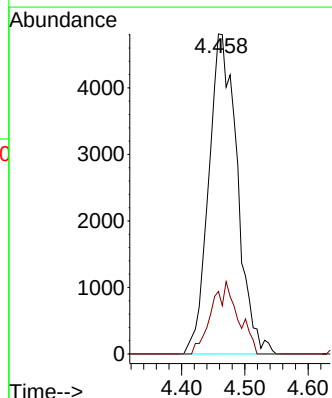
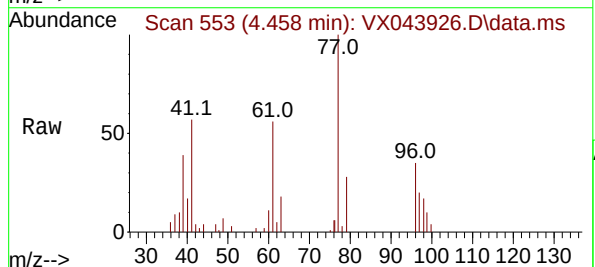
Acq: 21 Nov 2024 10:14

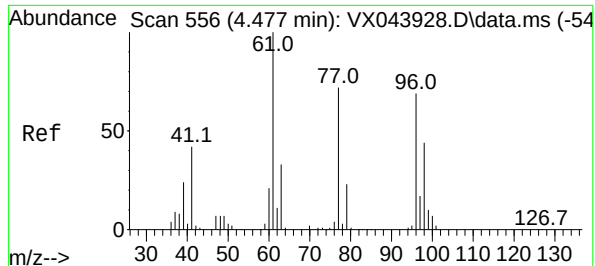
Tgt Ion: 77 Resp: 15040

Ion Ratio Lower Upper

77 100

97 10.0 10.8 32.3#





#27

cis-1,2-Dichloroethene

Concen: 4.579 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 96 Resp: 1015

Ion Ratio Lower Upper

96 100

61 155.7 0.0 297.4

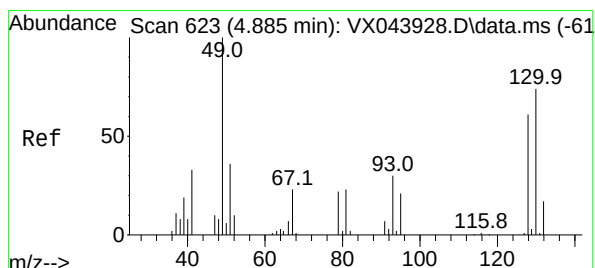
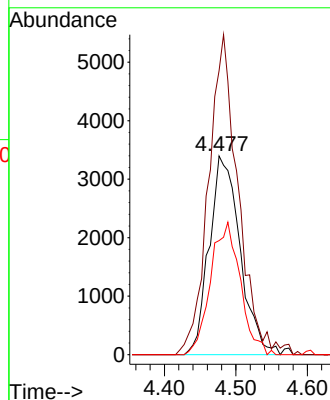
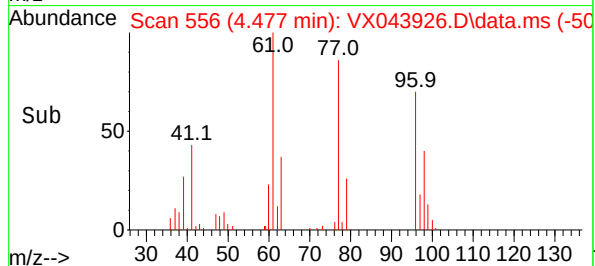
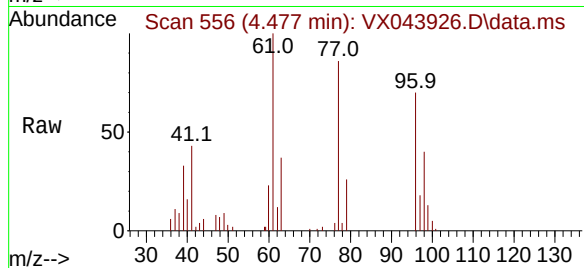
98 64.3 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 5.974 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

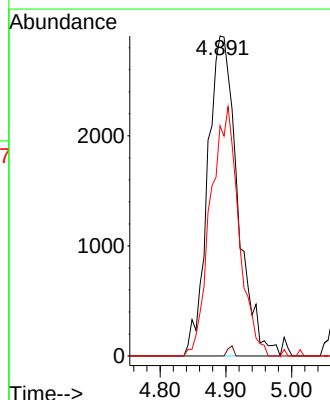
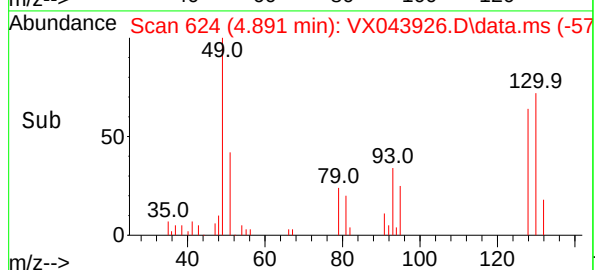
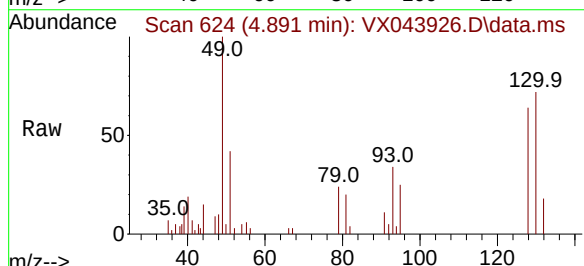
Tgt Ion: 49 Resp: 9210

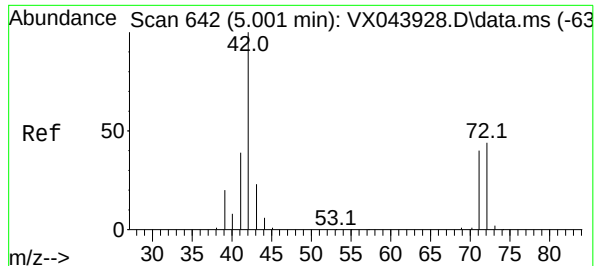
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.0

130 73.5 59.0 88.6





#29

Tetrahydrofuran

Concen: 25.028 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 42 Resp: 23518

Ion Ratio Lower Upper

42 100

72 43.4 36.4 54.6

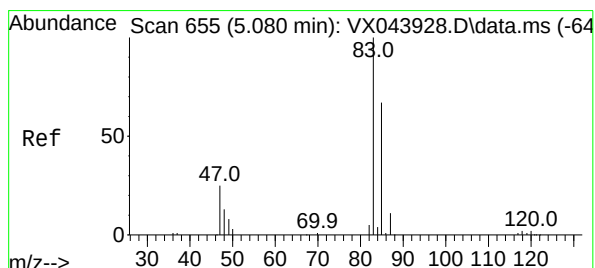
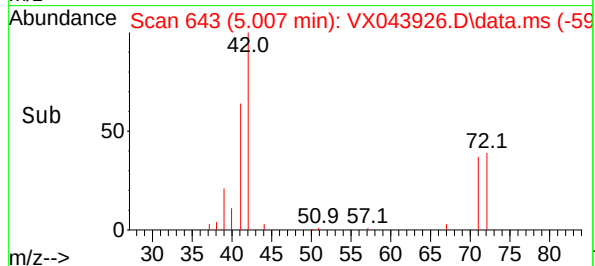
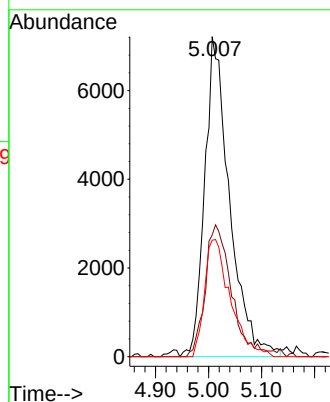
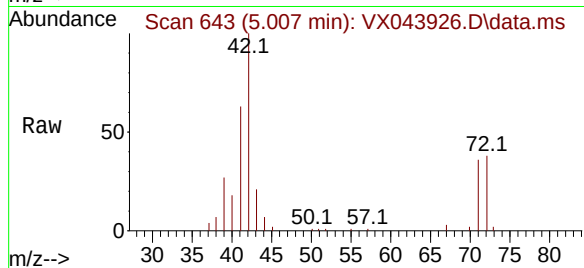
71 38.1 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 4.954 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043926.D

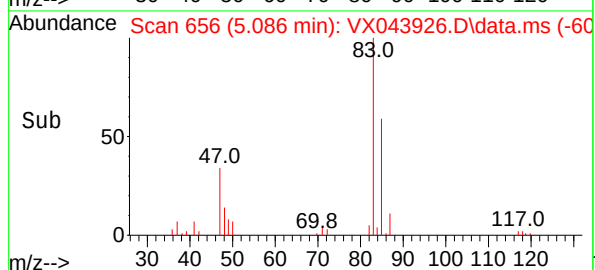
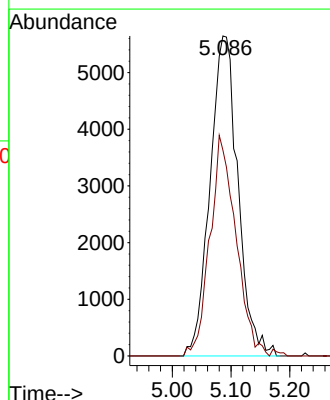
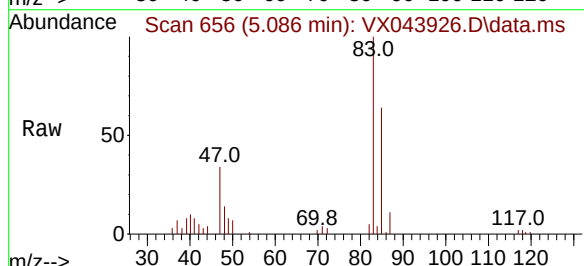
Acq: 21 Nov 2024 10:14

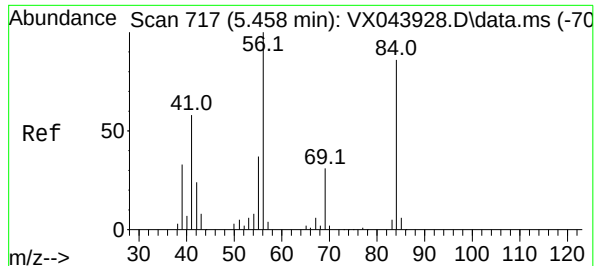
Tgt Ion: 83 Resp: 18661

Ion Ratio Lower Upper

83 100

85 64.3 53.5 80.3





#31

Cyclohexane

Concen: 4.767 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 56 Resp: 13740

Ion Ratio Lower Upper

56 100

69 29.5 24.7 37.1

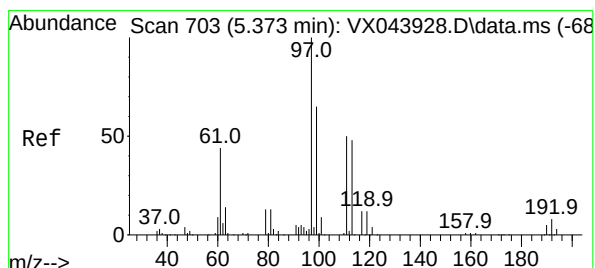
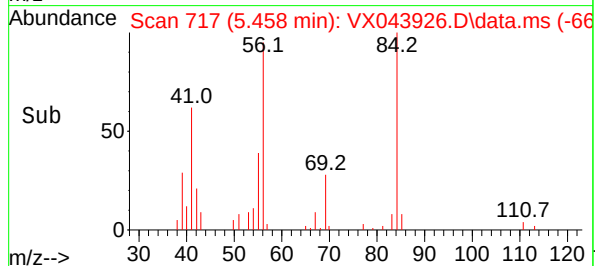
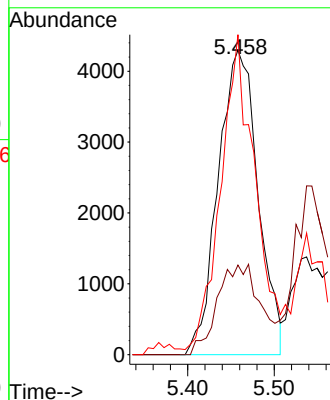
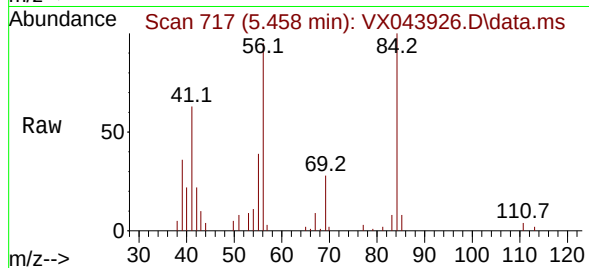
84 103.2 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 4.667 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

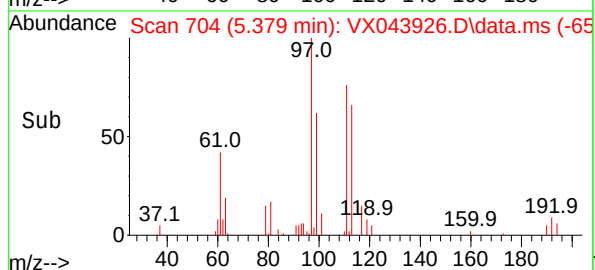
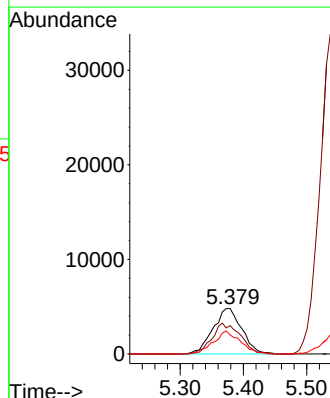
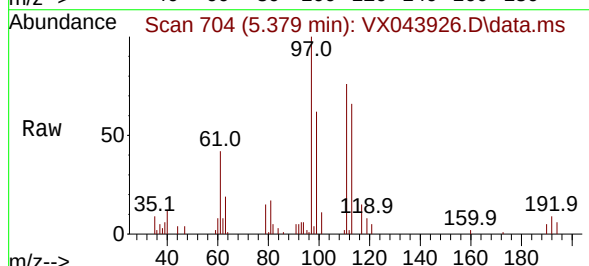
Tgt Ion: 97 Resp: 15162

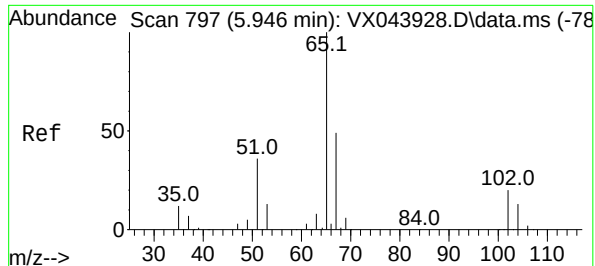
Ion Ratio Lower Upper

97 100

99 66.9 50.8 76.2

61 46.2 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 5.398 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 65 Resp: 1396

Ion Ratio Lower Upper

65 100

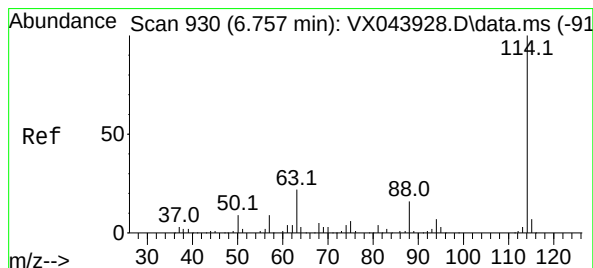
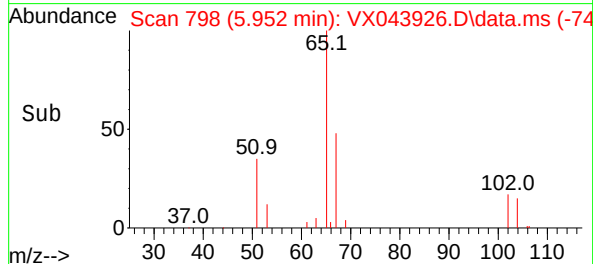
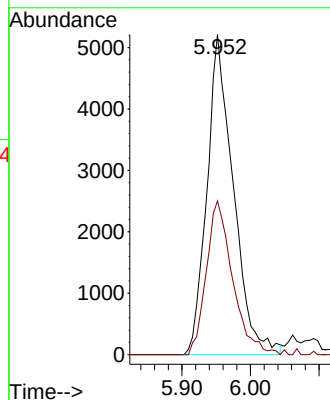
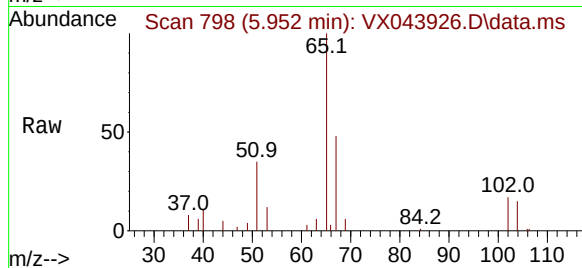
67 47.8 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

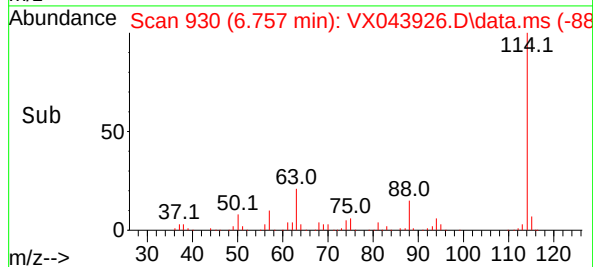
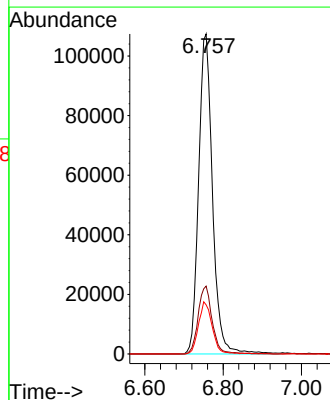
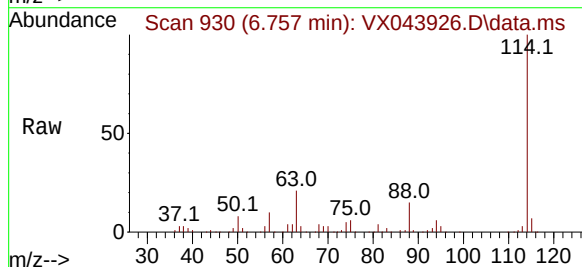
Tgt Ion:114 Resp: 264969

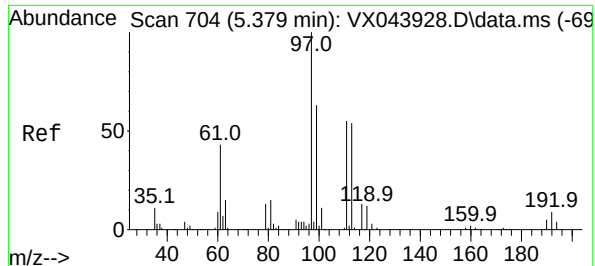
Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.0

88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 5.198 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:113 Resp: 984

Ion Ratio Lower Upper

113 100

111 107.2 81.0 121.4

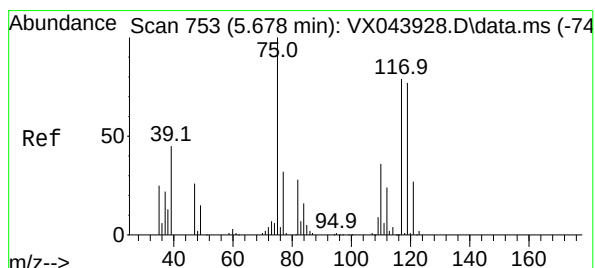
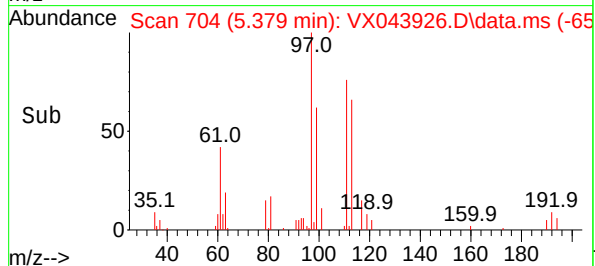
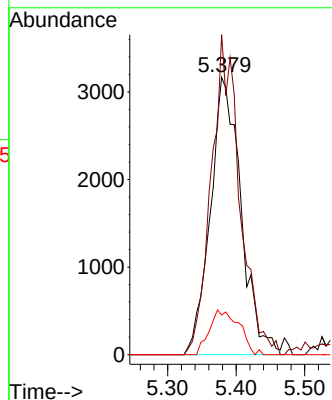
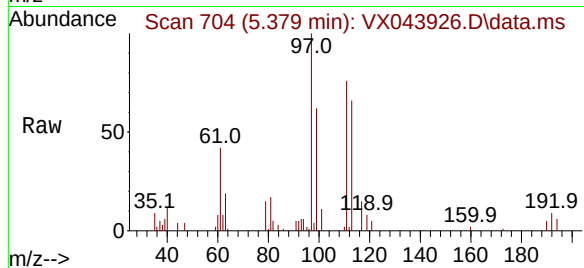
192 15.6 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 4.834 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

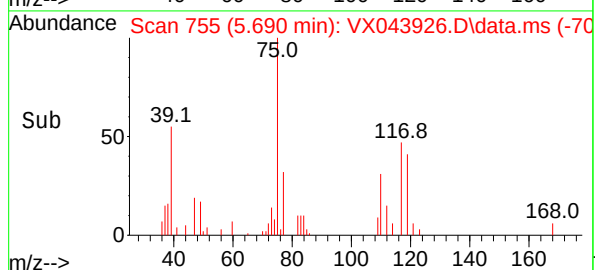
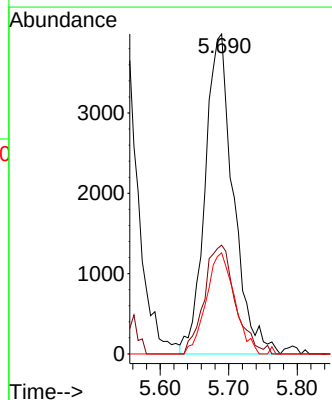
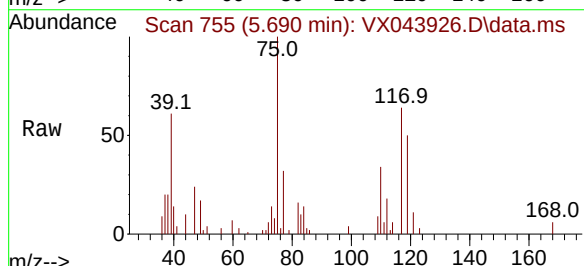
Tgt Ion: 75 Resp: 11406

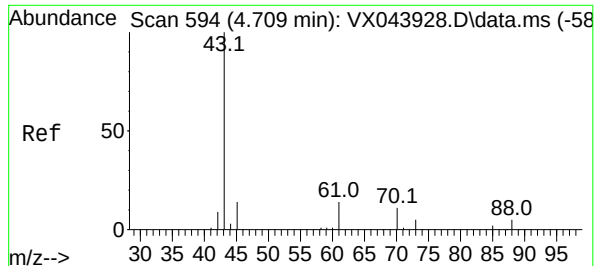
Ion Ratio Lower Upper

75 100

110 37.4 17.4 52.2

77 31.6 25.8 38.8





#37

Ethyl Acetate

Concen: 4.968 ug/l m

RT: 4.720 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

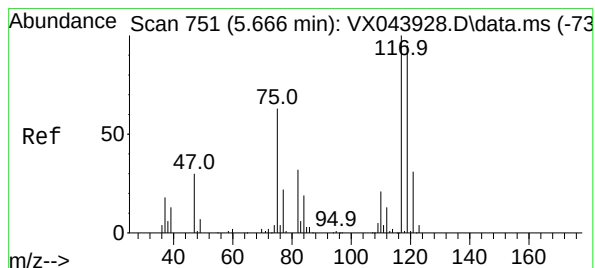
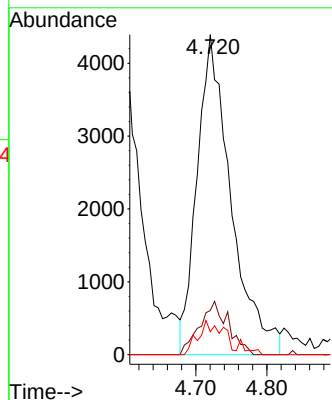
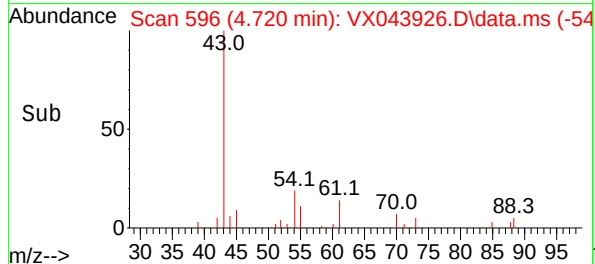
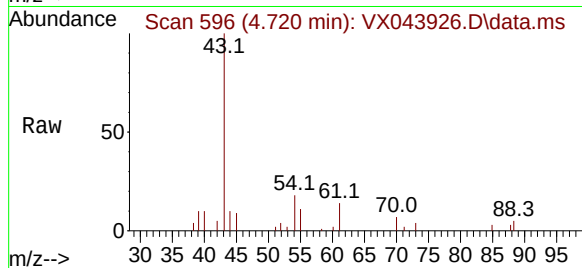
VSTDIC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 1455  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 14.1  | 10.7  | 16.1  |
| 70       | 7.8   | 8.0   | 12.0  |

Manual Integrations

APPROVED

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



#38

Carbon Tetrachloride

Concen: 4.658 ug/l

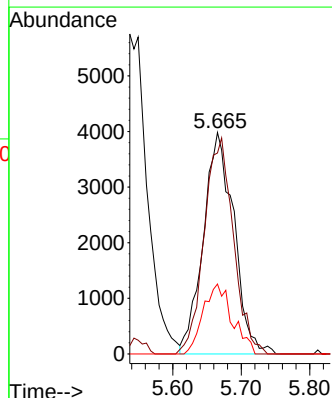
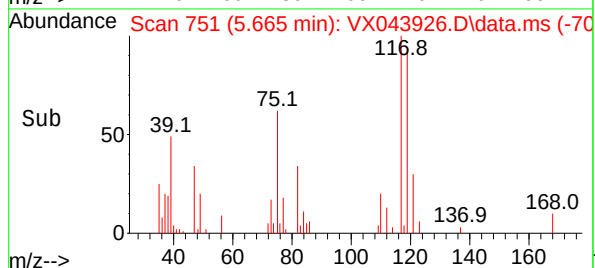
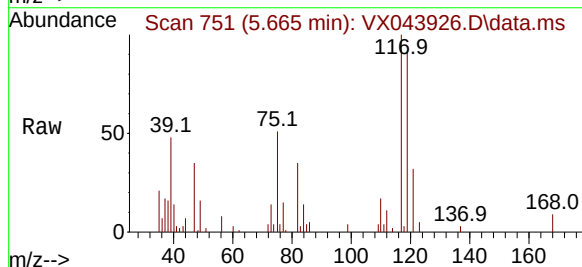
RT: 5.665 min Scan# 751

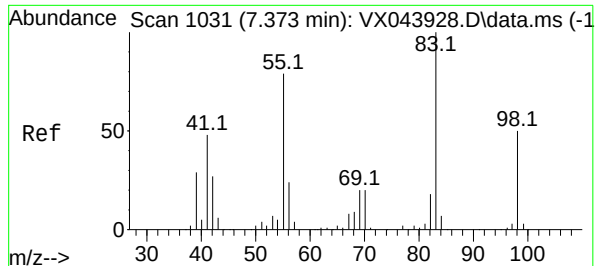
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 12348 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 90.7  | 75.2  | 112.8 |
| 121      | 31.5  | 24.5  | 36.7  |





#39

Methylcyclohexane

Concen: 4.803 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 83 Resp: 1472

Ion Ratio Lower Upper

83 100

55 73.1 63.1 94.7

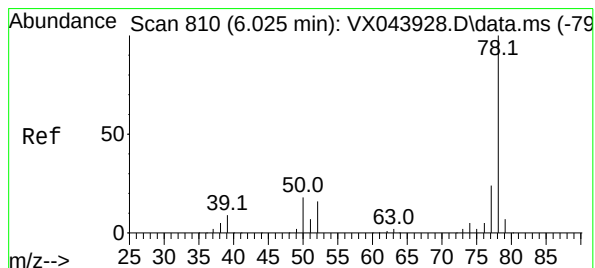
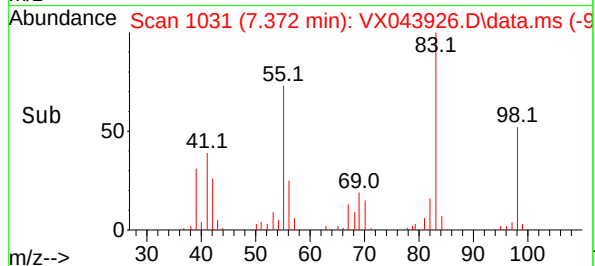
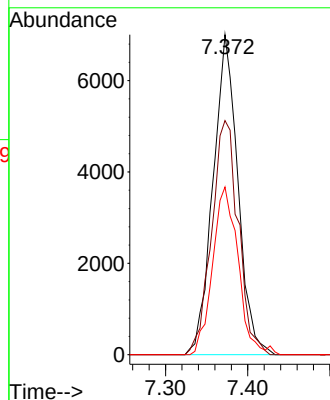
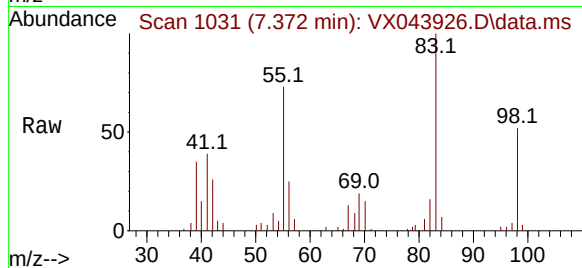
98 52.4 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 4.937 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043926.D

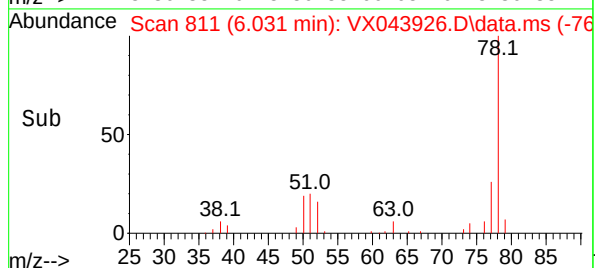
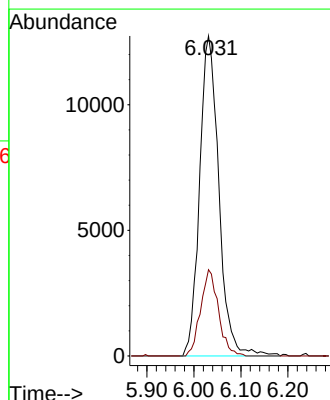
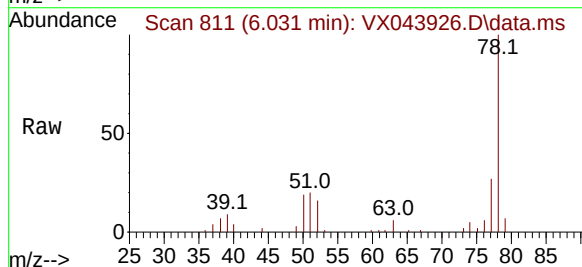
Acq: 21 Nov 2024 10:14

Tgt Ion: 78 Resp: 36283

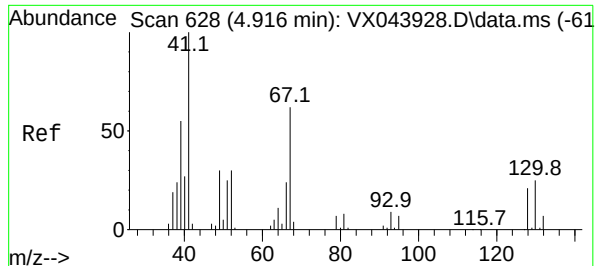
Ion Ratio Lower Upper

78 100

77 27.0 19.2 28.8







#41

Methacrylonitrile

Concen: 4.907 ug/l

RT: 4.928 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 735

Ion Ratio Lower Upper

41 100

39 52.5 41.7 62.5

67 72.4 55.8 83.8

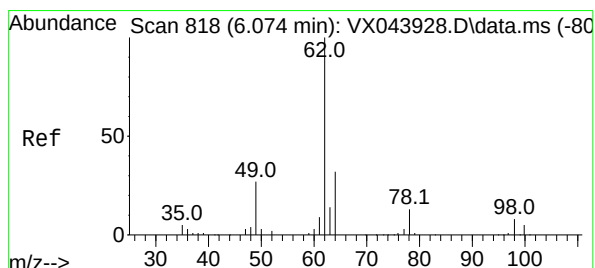
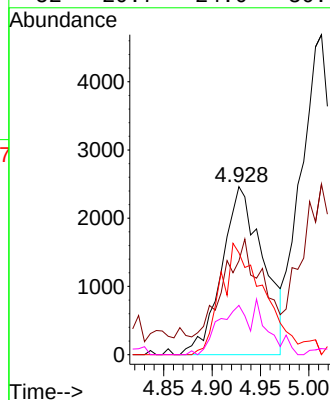
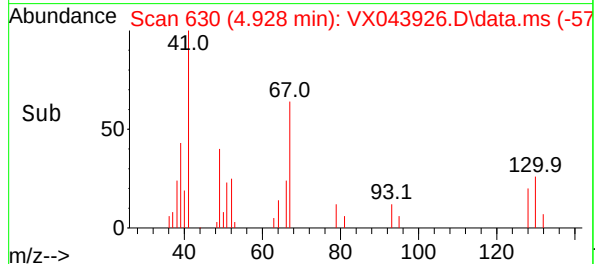
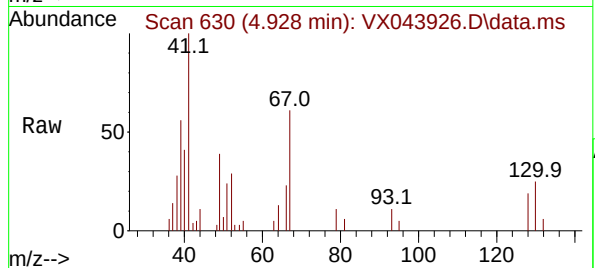
52 20.7 24.0 36.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 4.901 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX043926.D

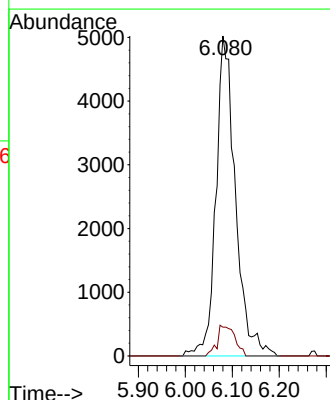
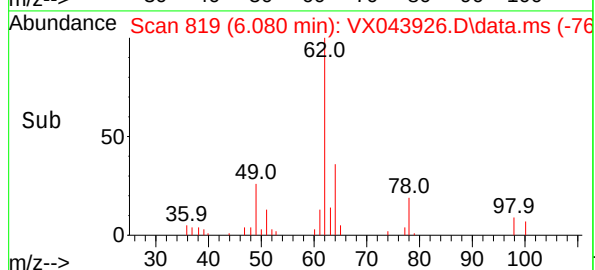
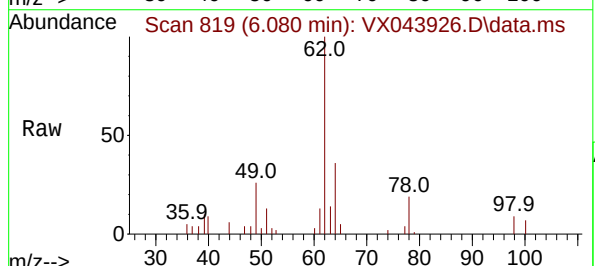
Acq: 21 Nov 2024 10:14

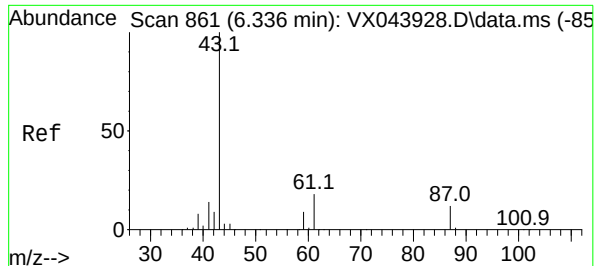
Tgt Ion: 62 Resp: 14467

Ion Ratio Lower Upper

62 100

98 8.6 0.0 16.4





#43

Isopropyl Acetate

Concen: 4.777 ug/l

RT: 6.348 min Scan# 863

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 2226

Ion Ratio Lower Upper

43

100

61

18.0 14.5 21.7

87

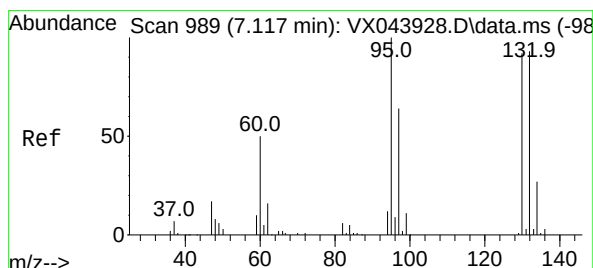
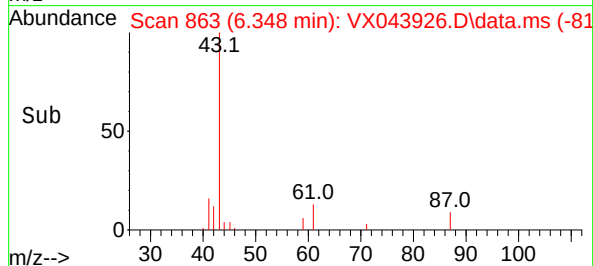
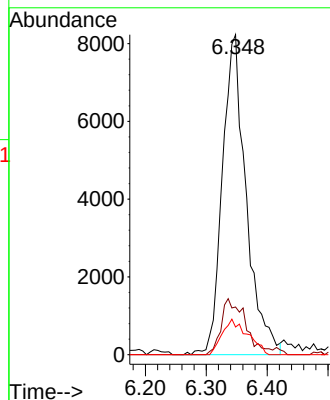
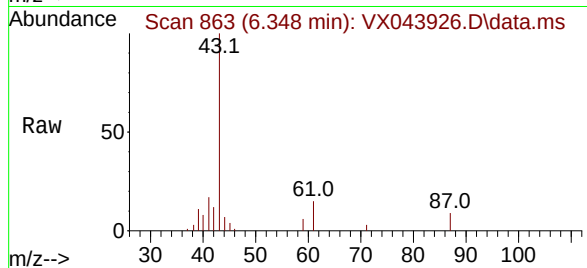
11.9 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 4.736 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:130 Resp: 9852

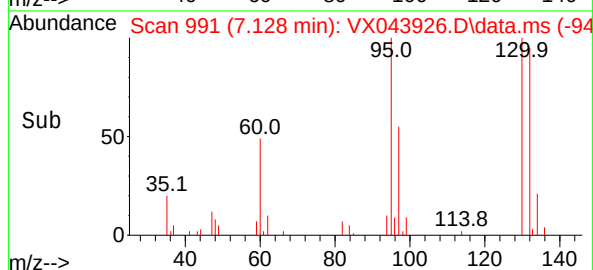
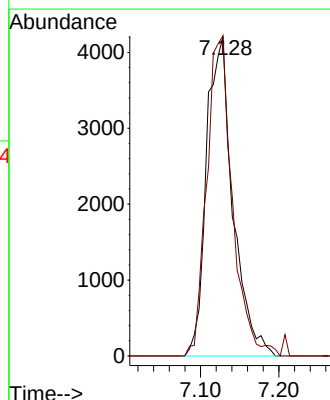
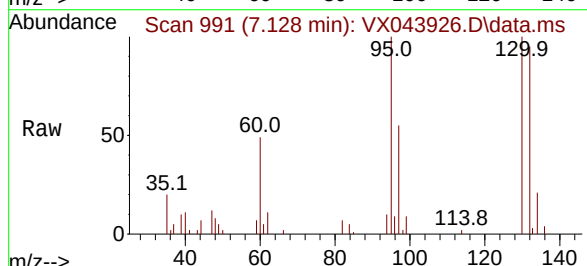
Ion Ratio Lower Upper

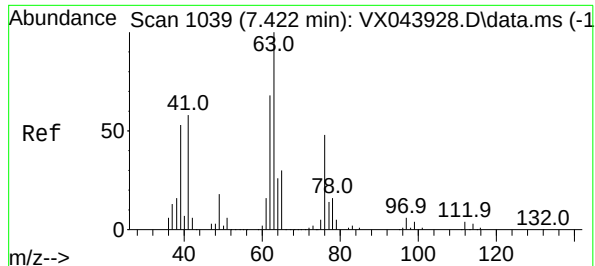
130

100

95

100.3 0.0 217.8





#45

1,2-Dichloropropane

Concen: 4.736 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 63 Resp: 8524

Ion Ratio Lower Upper

63 100

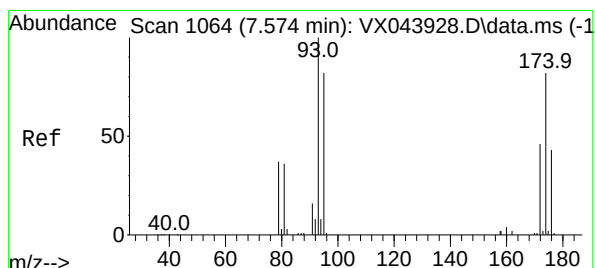
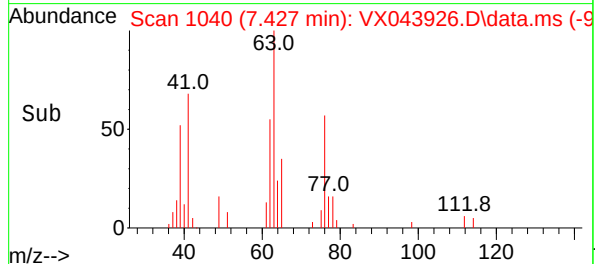
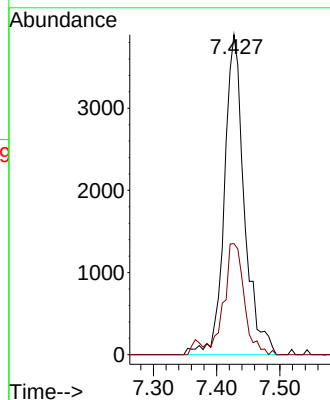
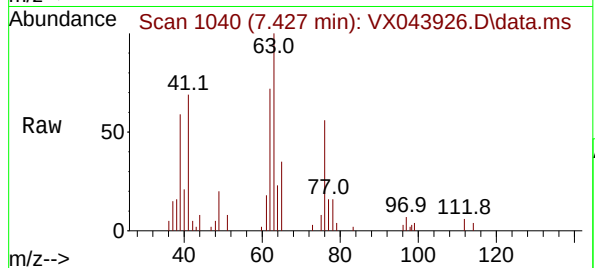
65 34.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 4.475 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

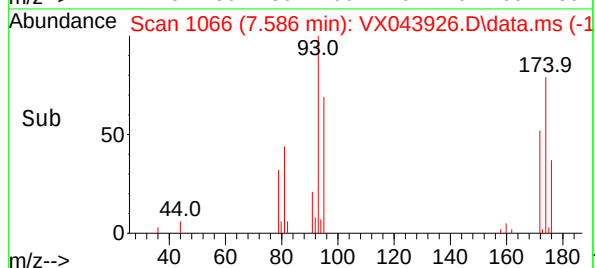
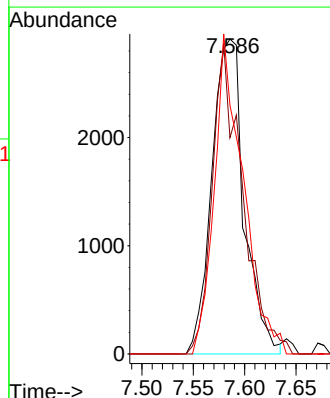
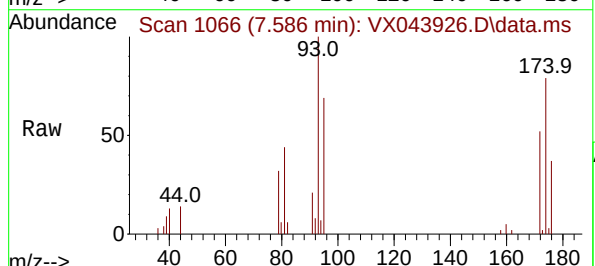
Tgt Ion: 93 Resp: 6372

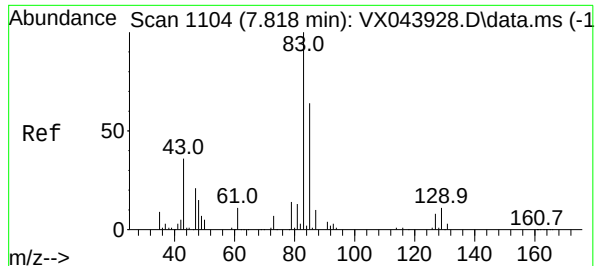
Ion Ratio Lower Upper

93 100

95 92.5 66.2 99.4

174 90.3 69.6 104.4





#47

Bromodichloromethane

Concen: 4.405 ug/l

RT: 7.823 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

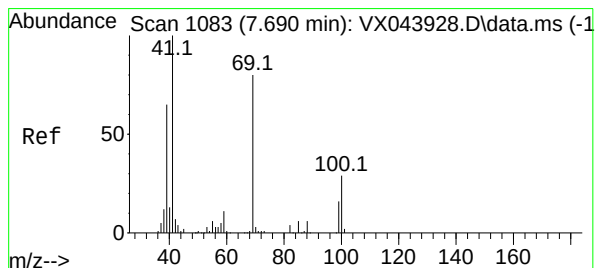
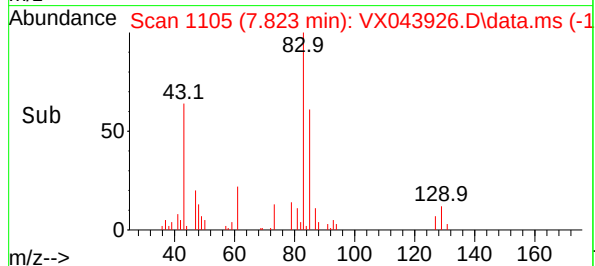
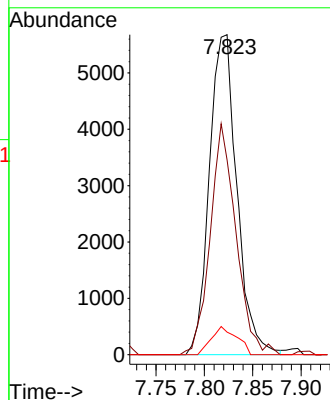
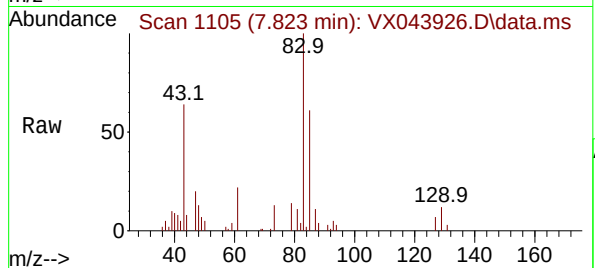
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 11249 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 60.8  | 51.4  | 77.0  |
| 127      | 7.1   | 6.6   | 10.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 4.556 ug/l

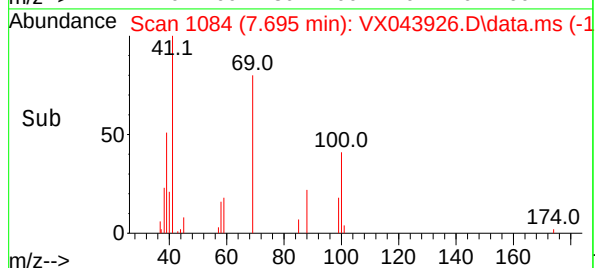
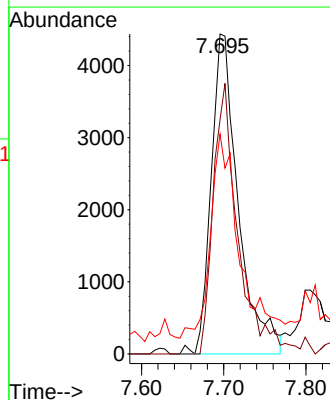
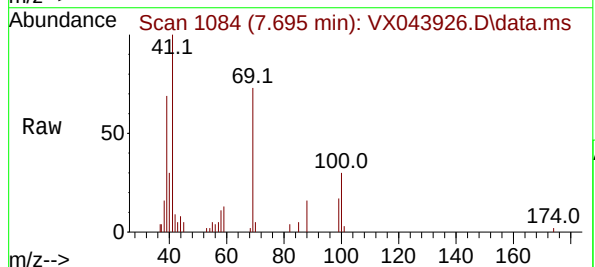
RT: 7.695 min Scan# 1084

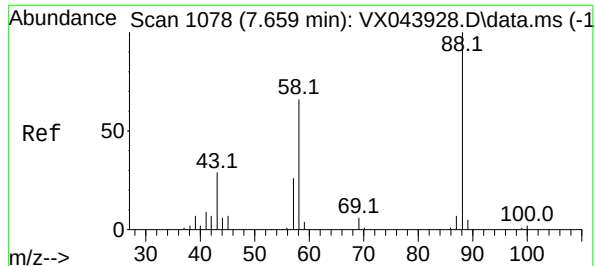
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 10190 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 77.6  | 64.6  | 97.0  |
| 39       | 60.5  | 53.3  | 79.9  |





#49

1,4-Dioxane

Concen: 106.070 ug/l m

RT: 7.677 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 88 Resp: 4090

Ion Ratio Lower Upper

88 100

43 0.0 26.8 40.2

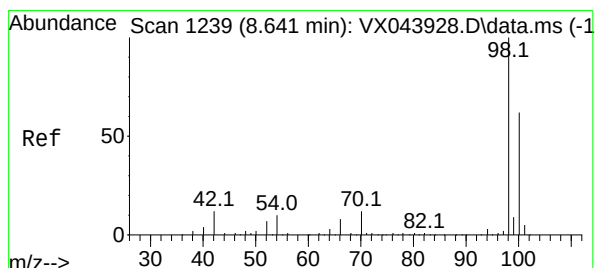
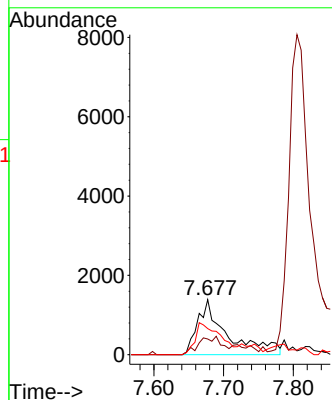
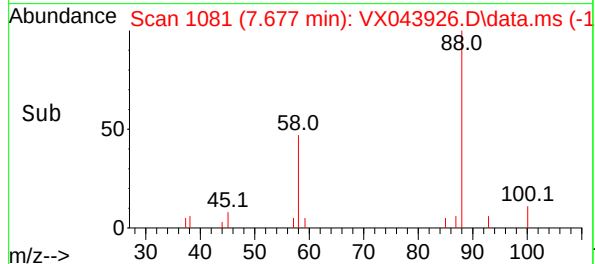
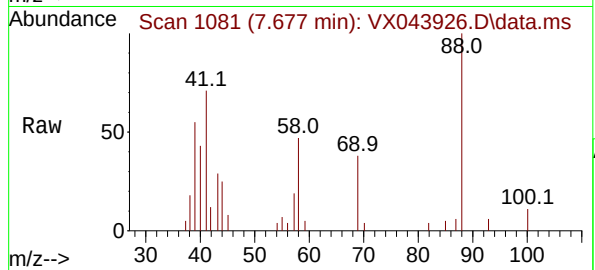
58 49.5 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 5.389 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043926.D

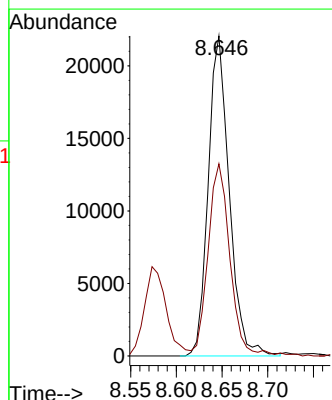
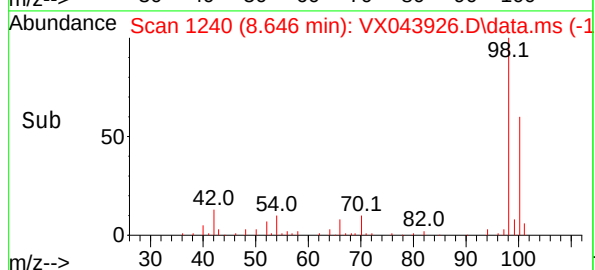
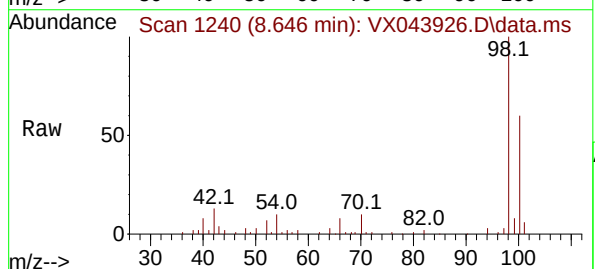
Acq: 21 Nov 2024 10:14

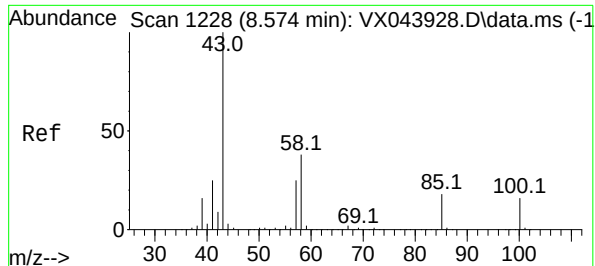
Tgt Ion: 98 Resp: 35173

Ion Ratio Lower Upper

98 100

100 62.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 24.556 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 6984

Ion Ratio Lower Upper

43 100

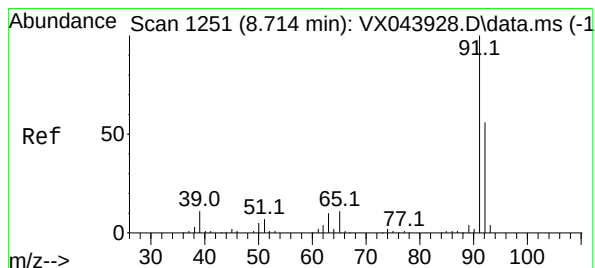
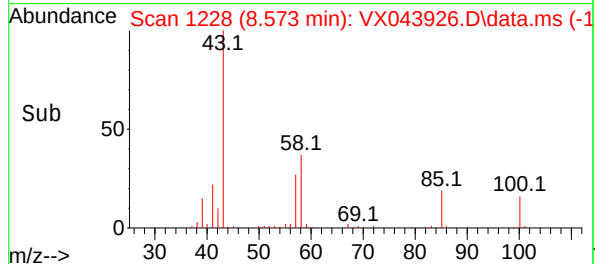
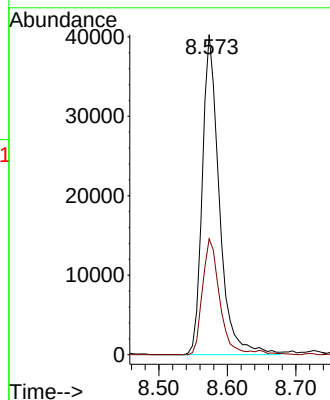
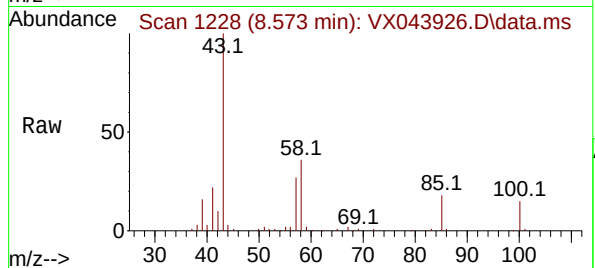
58 35.9 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 5.051 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043926.D

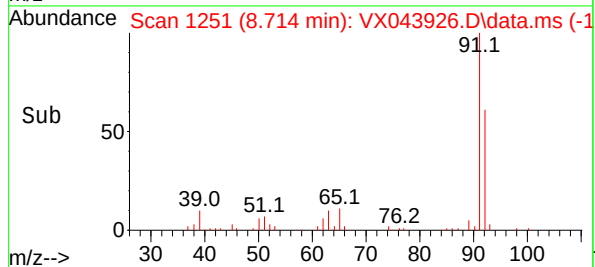
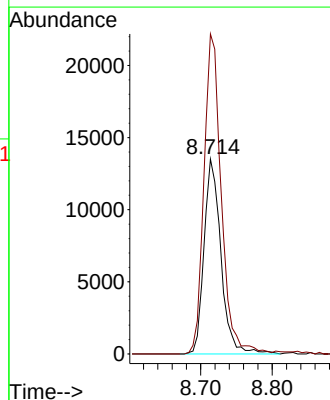
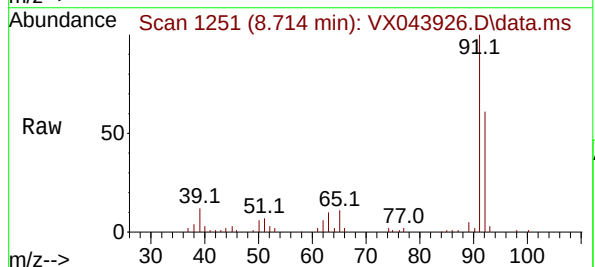
Acq: 21 Nov 2024 10:14

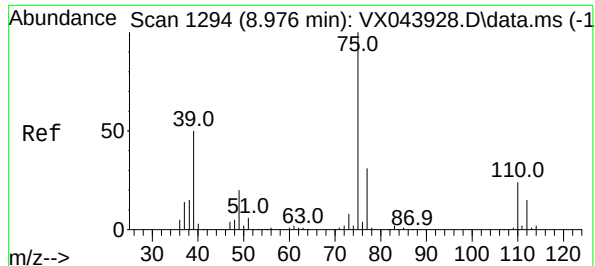
Tgt Ion: 92 Resp: 22218

Ion Ratio Lower Upper

92 100

91 168.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 4.200 ug/l

RT: 8.982 min Scan# 1193

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 1093

Ion Ratio Lower Upper

75 100

77 35.0 25.1 37.7

Instrument :

MSVOA\_X

ClientSampleId :

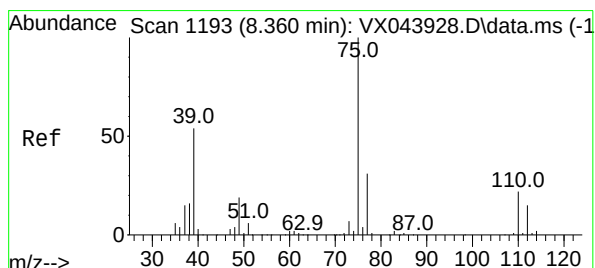
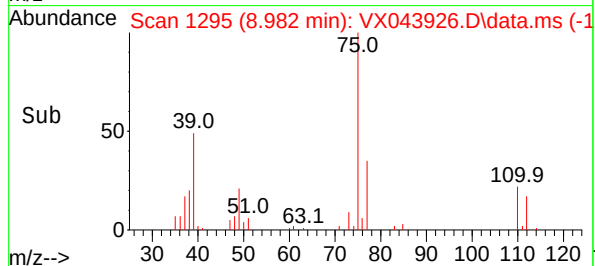
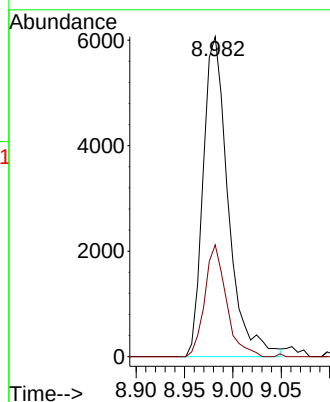
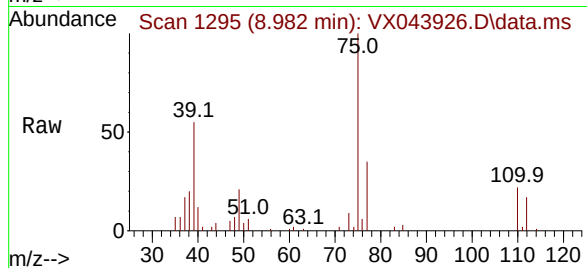
VSTDIC005

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 4.292 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

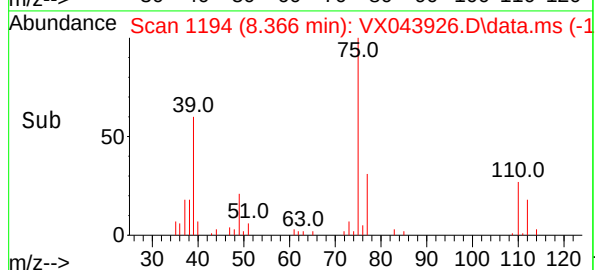
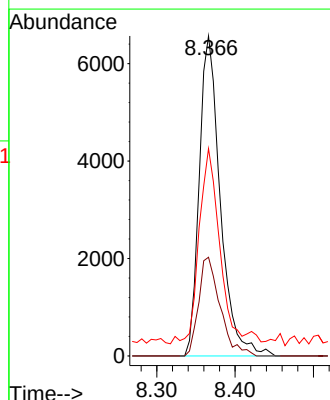
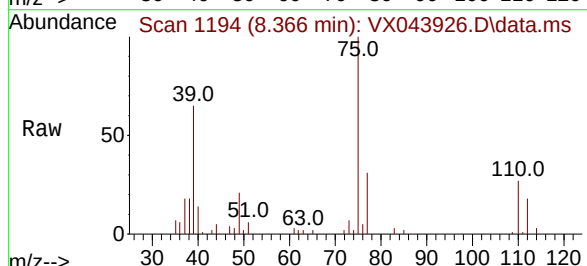
Tgt Ion: 75 Resp: 12253

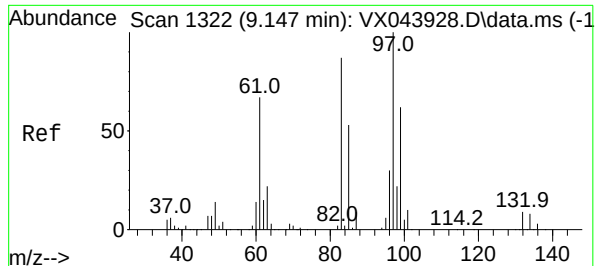
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 60.0 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 4.957 ug/l

RT: 9.152 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

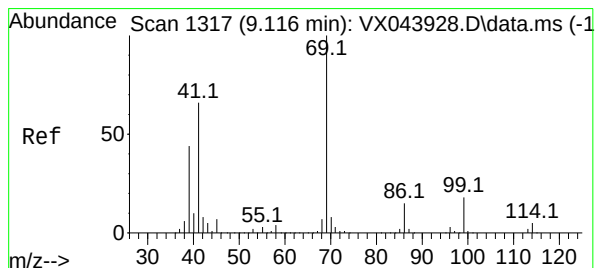
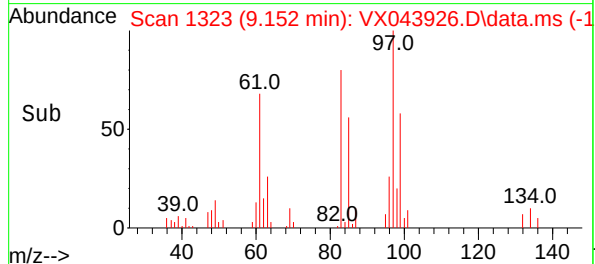
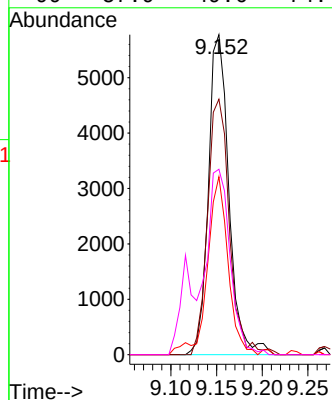
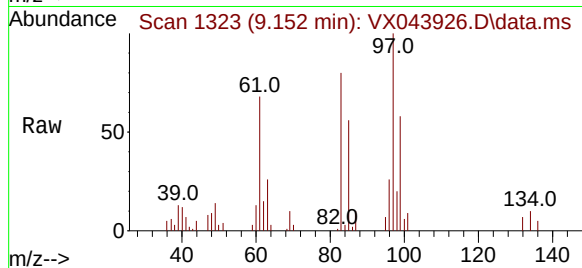
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 9000  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.8  | 69.4  | 104.0 |
| 85       | 55.6  | 42.3  | 63.5  |
| 99       | 57.9  | 49.6  | 74.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 4.378 ug/l

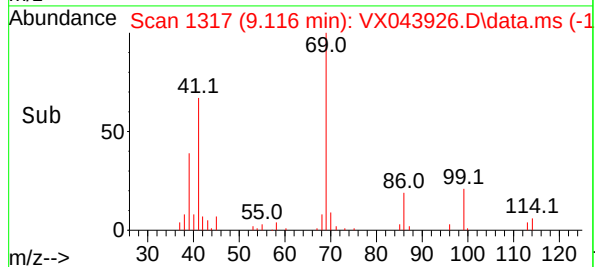
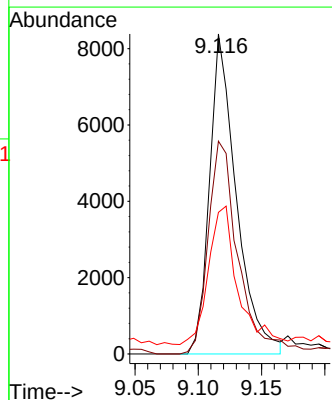
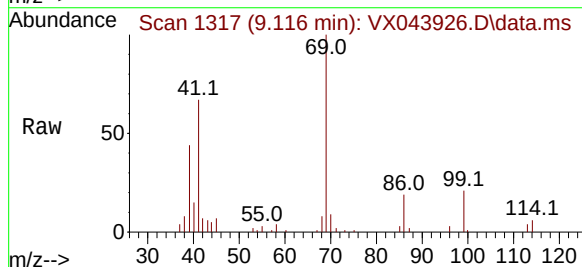
RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

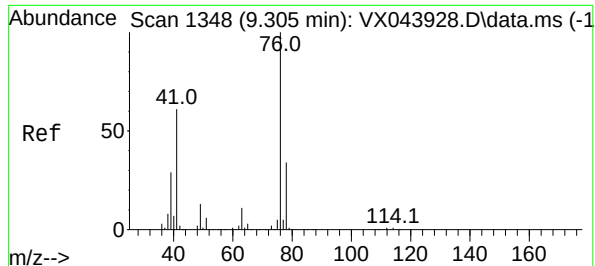
Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 12381 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.0  | 55.8  | 83.8  |
| 39       | 46.7  | 36.7  | 55.1  |







#57

1,3-Dichloropropane

Concen: 4.973 ug/l

RT: 9.311 min Scan# 1349

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 76 Resp: 1521

Ion Ratio Lower Upper

76 100

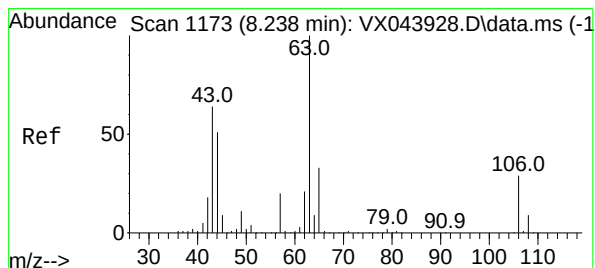
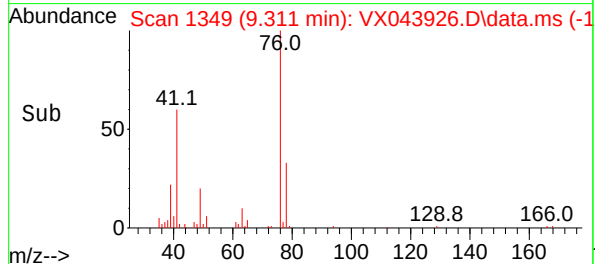
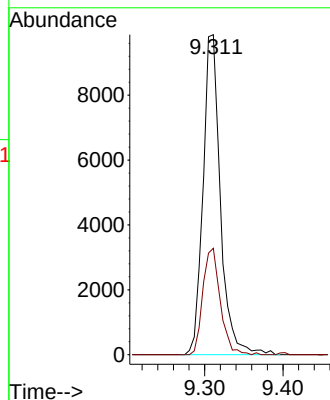
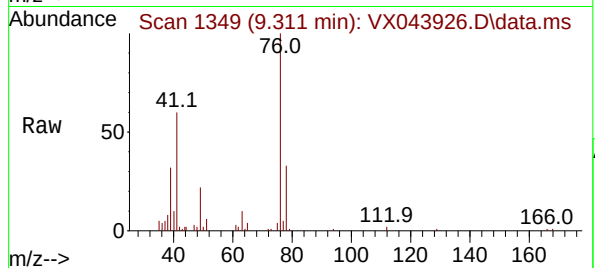
78 33.4 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 27.673 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043926.D

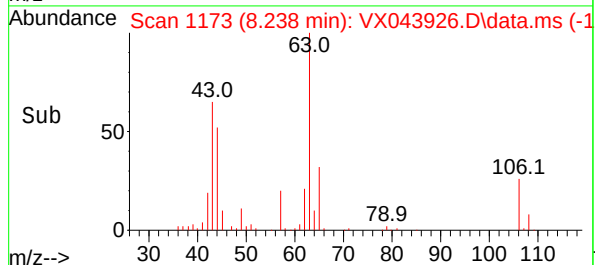
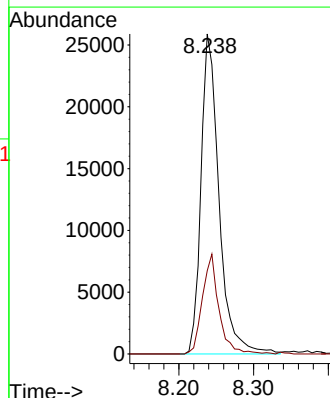
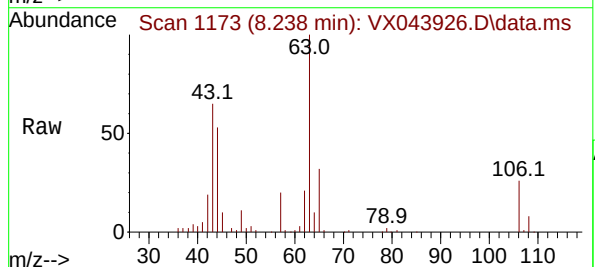
Acq: 21 Nov 2024 10:14

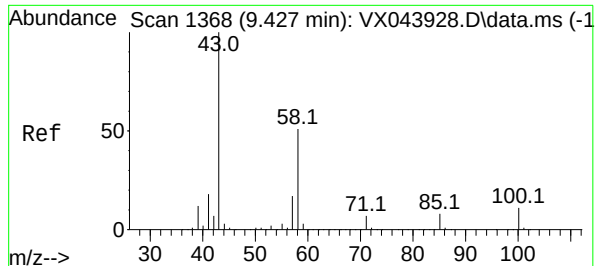
Tgt Ion: 63 Resp: 43351

Ion Ratio Lower Upper

63 100

106 28.6 23.0 34.6





#59

2-Hexanone

Concen: 24.357 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 43 Resp: 52072

Ion Ratio Lower Upper

43 100

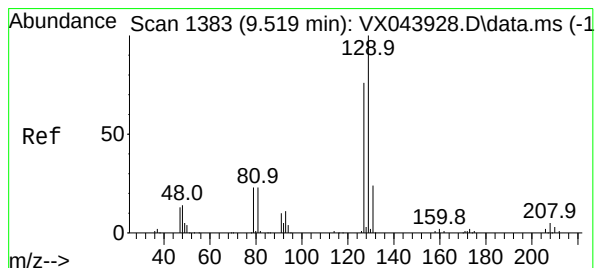
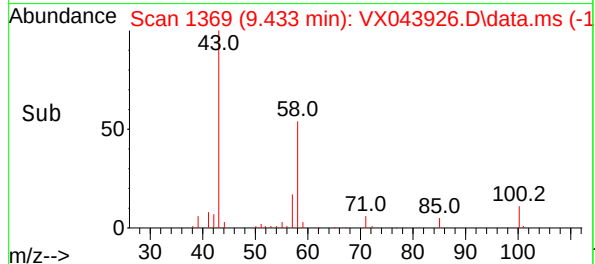
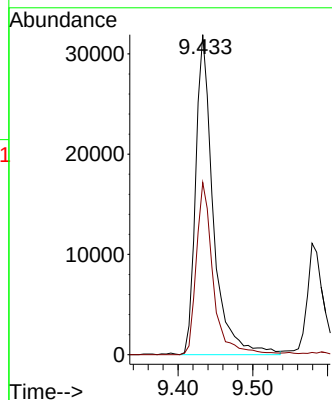
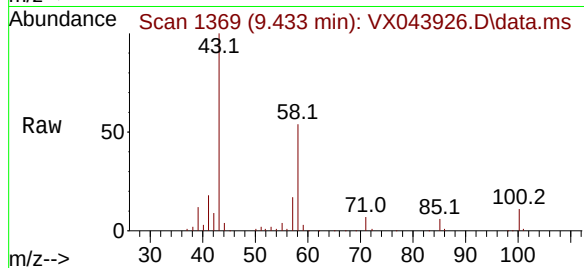
58 51.4 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 4.247 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043926.D

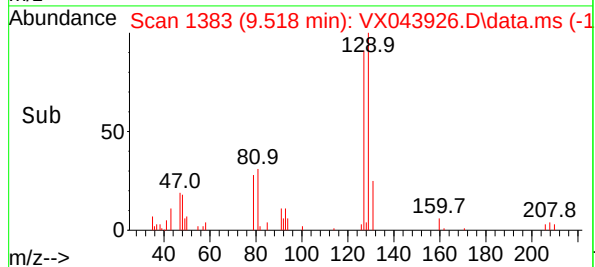
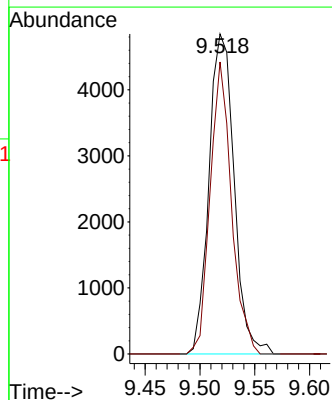
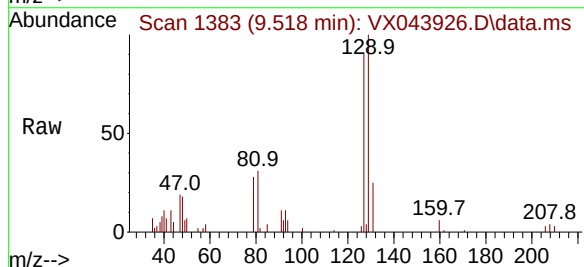
Acq: 21 Nov 2024 10:14

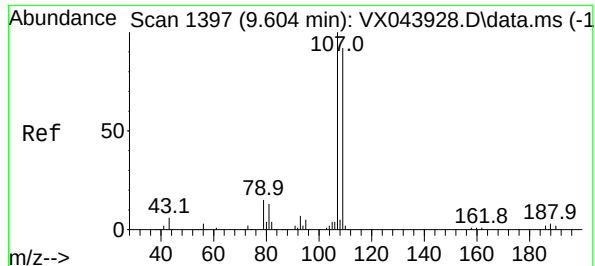
Tgt Ion:129 Resp: 7738

Ion Ratio Lower Upper

129 100

127 77.4 38.2 114.6





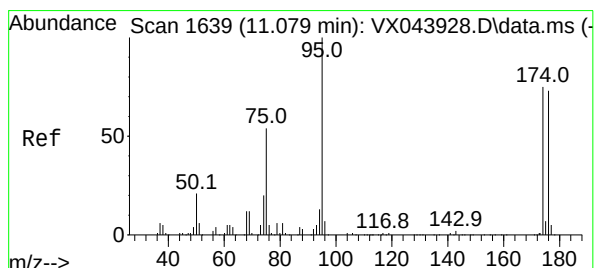
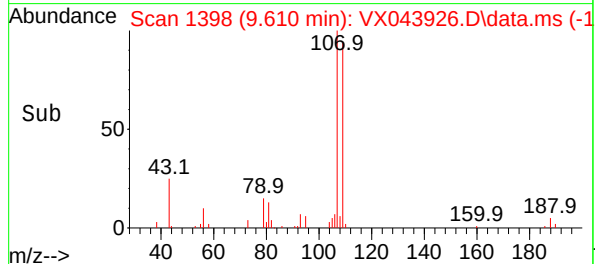
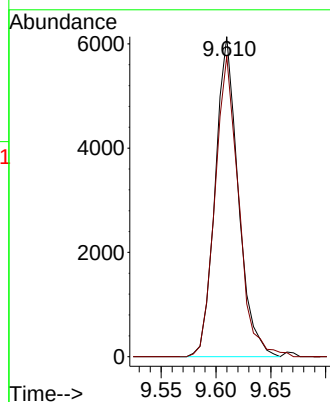
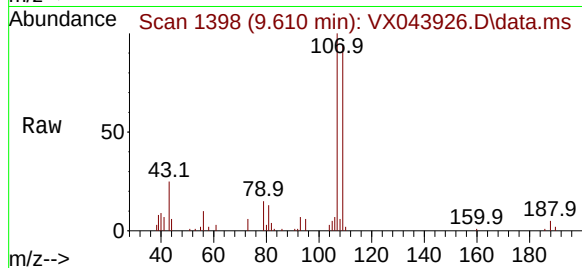
#61  
1,2-Dibromoethane  
Concen: 4.894 ug/l  
RT: 9.610 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:107 Resp: 898  
Ion Ratio Lower Upper  
107 100  
109 96.2 75.2 112.8

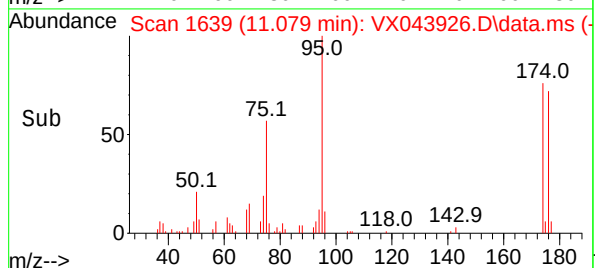
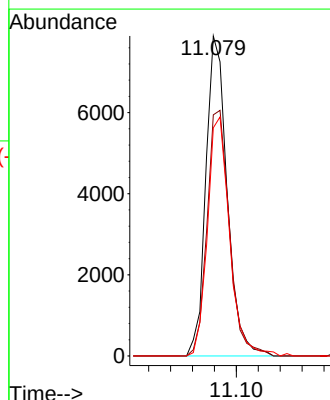
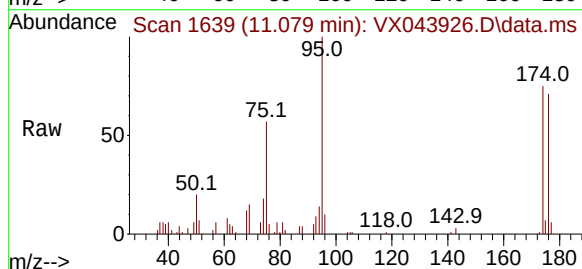
Manual Integrations  
APPROVED

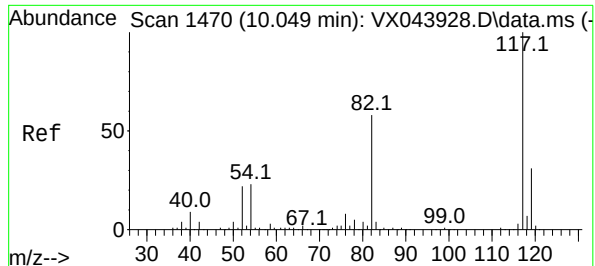
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#62  
4-Bromofluorobenzene  
Concen: 4.780 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 95 Resp: 10618  
Ion Ratio Lower Upper  
95 100  
174 80.9 0.0 150.4  
176 77.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

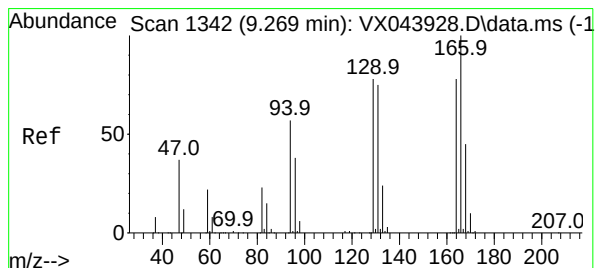
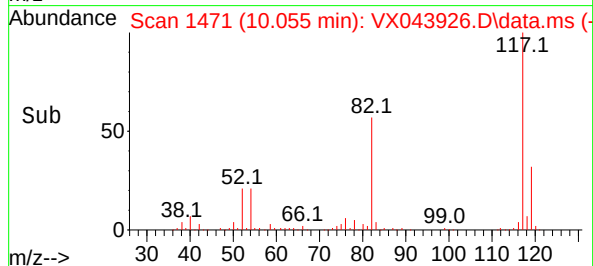
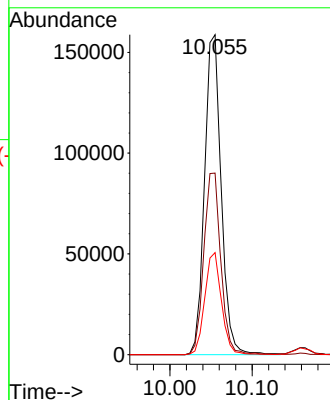
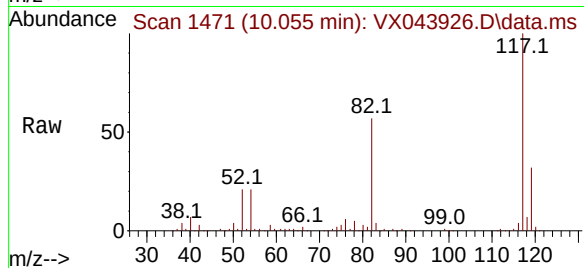
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 223514 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 56.8  | 46.4  | 69.6   |
| 119      | 31.9  | 24.6  | 37.0   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 5.185 ug/l

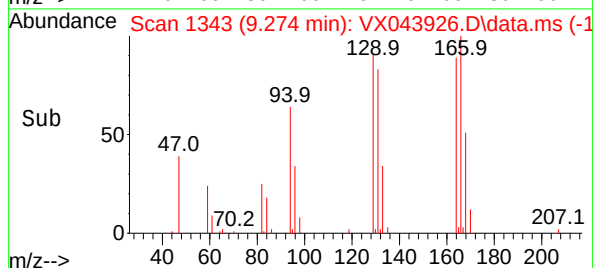
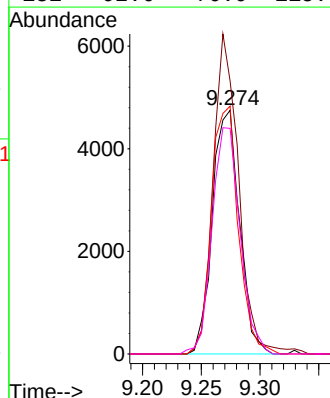
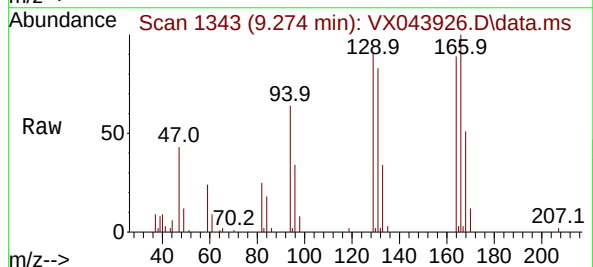
RT: 9.274 min Scan# 1343

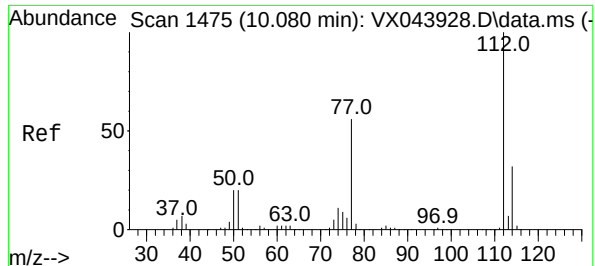
Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 7642  |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 111.9 | 102.1 | 153.1 |
| 129      | 101.7 | 79.6  | 119.4 |
| 131      | 92.6  | 76.9  | 115.3 |





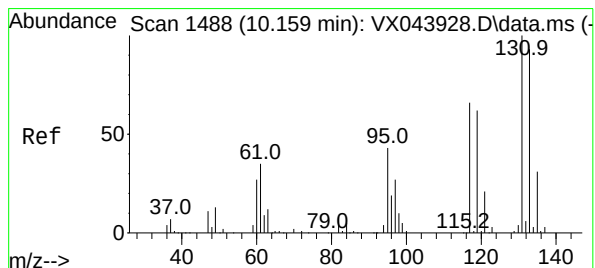
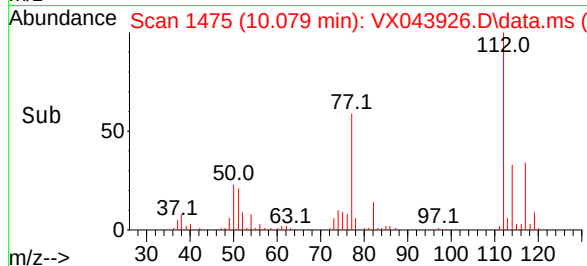
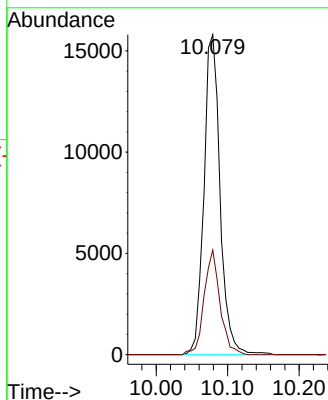
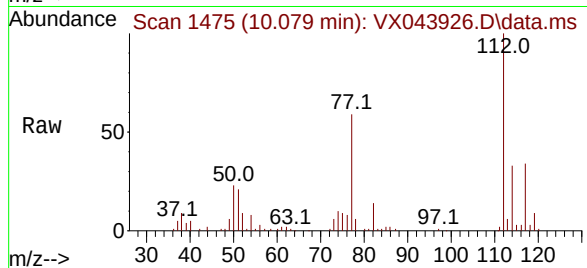
#65  
Chlorobenzene  
Concen: 5.050 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:112 Resp: 24792  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.4 38.0

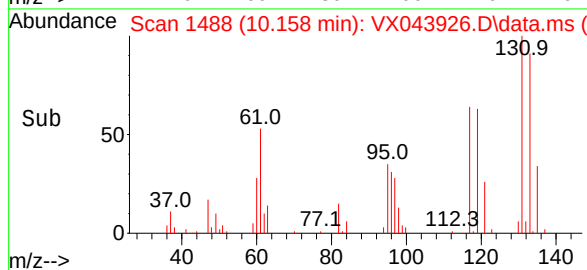
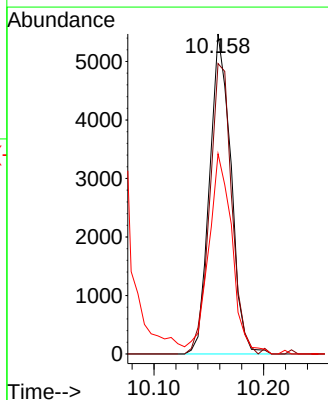
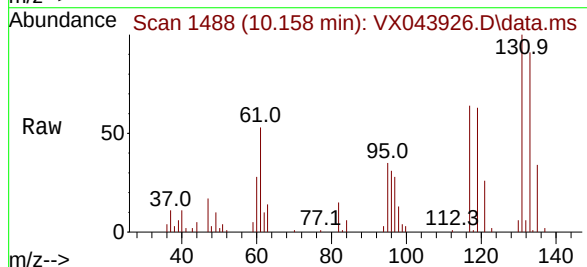
Manual Integrations  
APPROVED

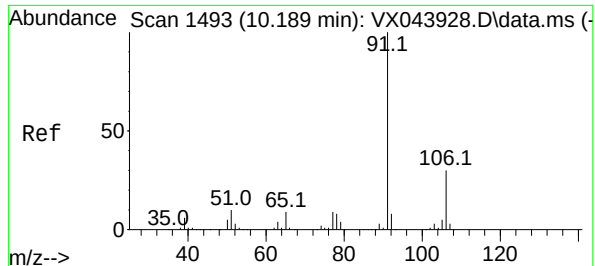
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.661 ug/l  
RT: 10.158 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421  
Ion Ratio Lower Upper  
131 100  
133 94.1 48.2 144.6  
119 68.3 31.5 94.5





#67

Ethyl Benzene

Concen: 4.920 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 4092

Ion Ratio Lower Upper

91 100

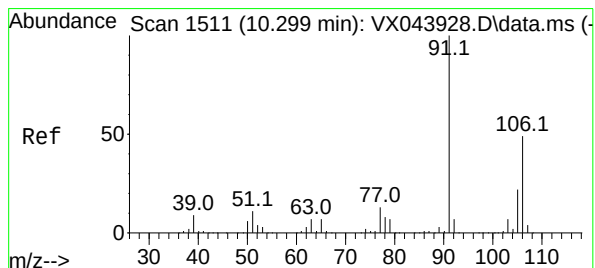
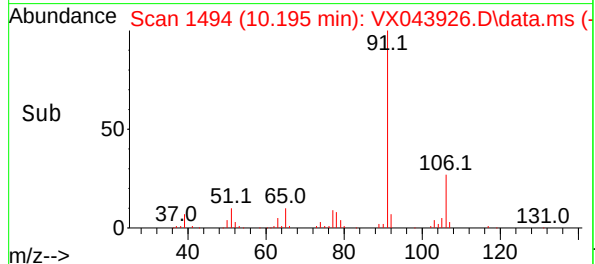
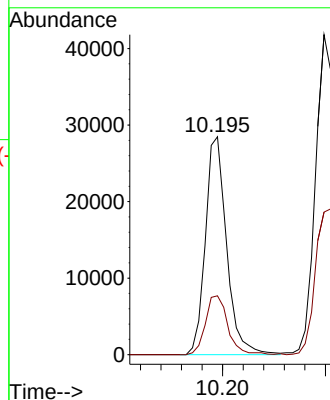
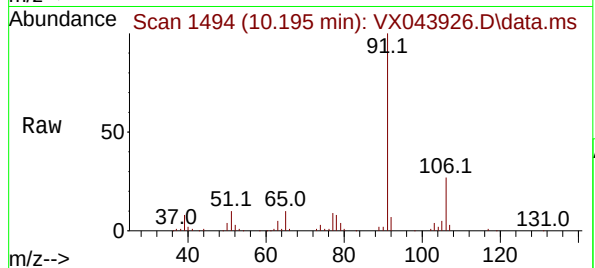
106 27.0 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 9.553 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043926.D

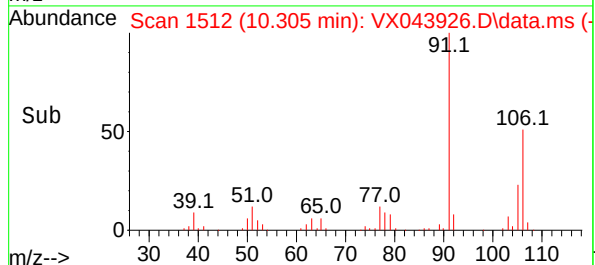
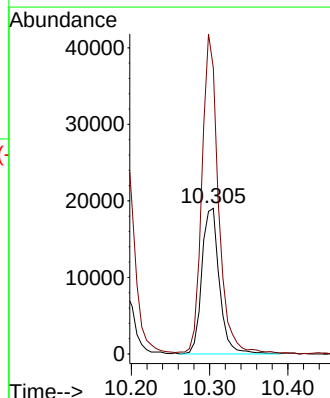
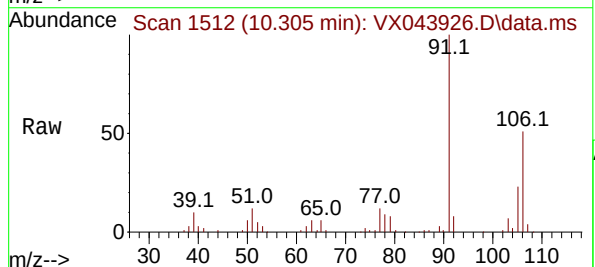
Acq: 21 Nov 2024 10:14

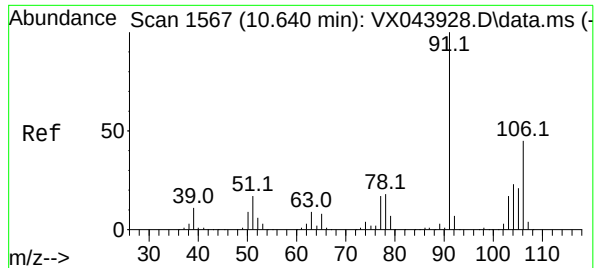
Tgt Ion:106 Resp: 29635

Ion Ratio Lower Upper

106 100

91 208.0 168.1 252.1





#69

o-Xylene

Concen: 4.905 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:106 Resp: 1485

Ion Ratio Lower Upper

106 100

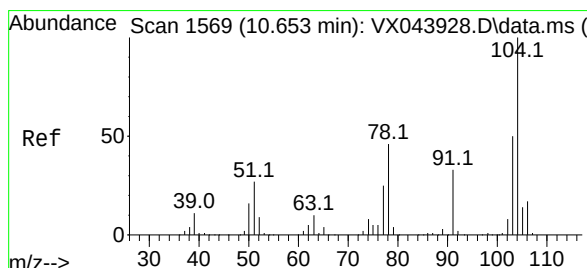
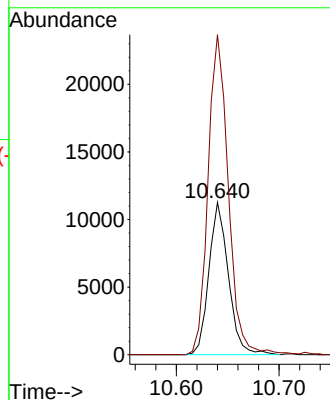
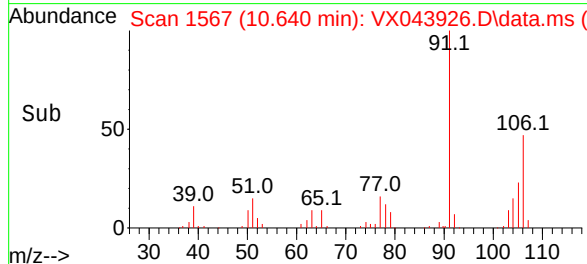
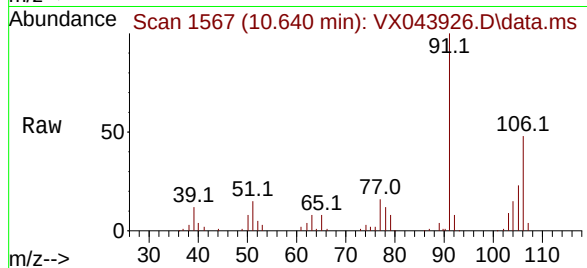
91 217.8 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 4.573 ug/l

RT: 10.658 min Scan# 1570

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

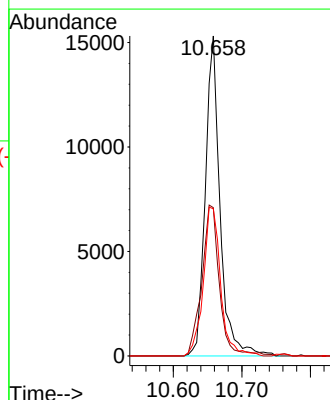
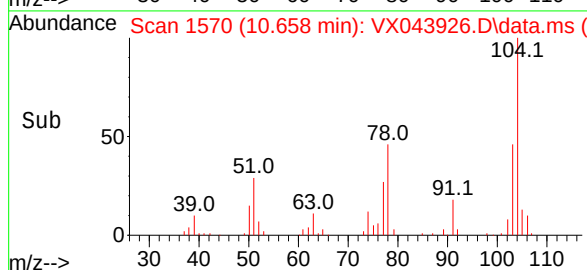
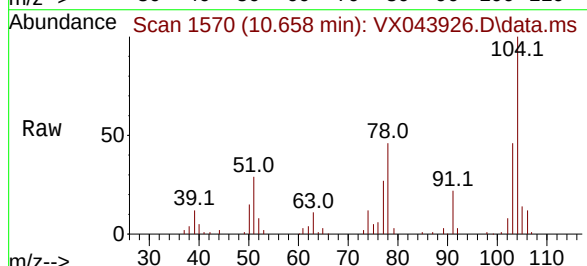
Tgt Ion:104 Resp: 22907

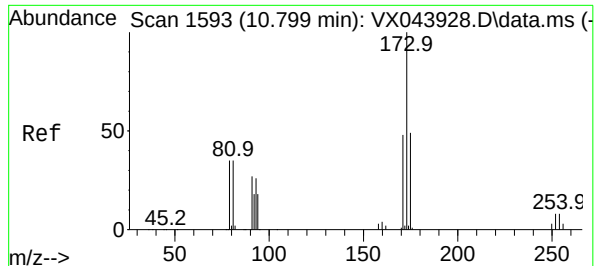
Ion Ratio Lower Upper

104 100

78 56.4 42.2 63.2

103 54.8 44.7 67.1





#71

Bromoform

Concen: 5.004 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion:173 Resp: 4470

Ion Ratio Lower Upper

173 100

175 47.1 24.1 72.2

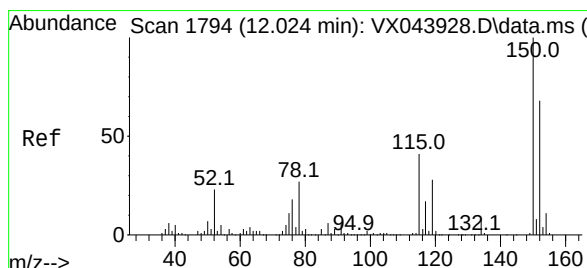
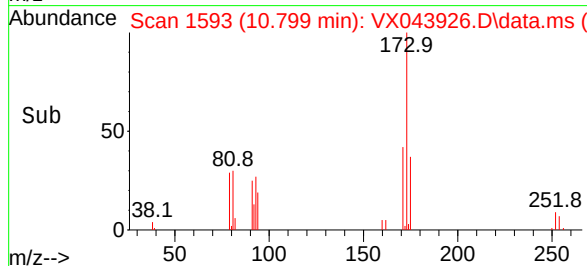
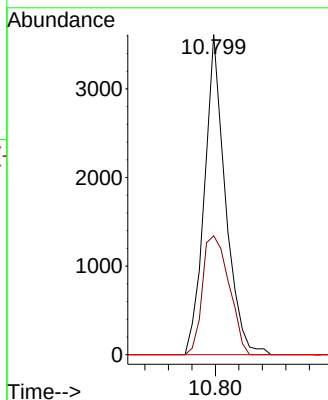
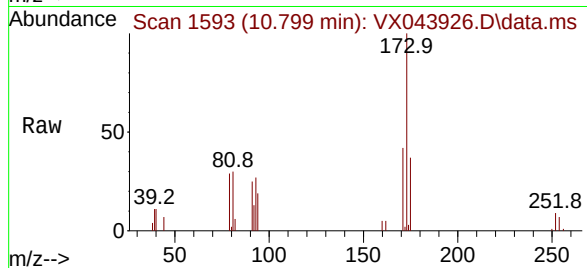
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

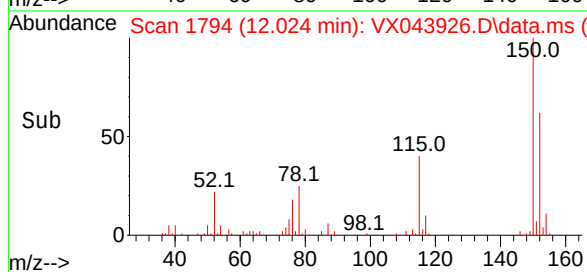
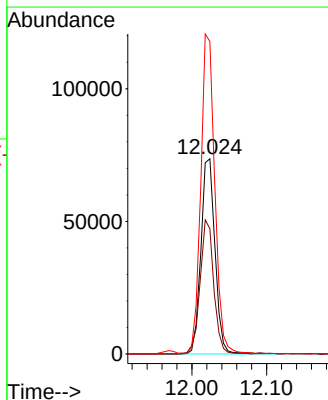
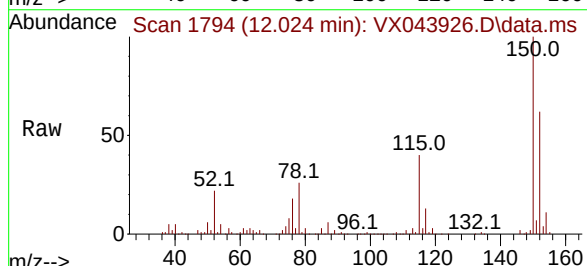
Tgt Ion:152 Resp: 96662

Ion Ratio Lower Upper

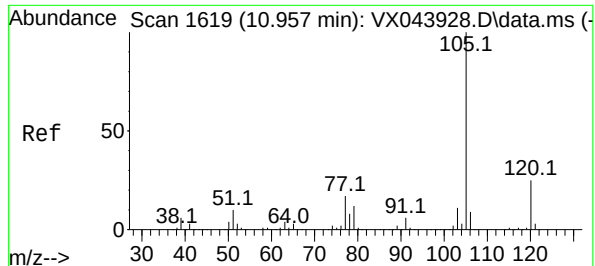
152 100

115 66.4 45.4 136.2

150 162.1 0.0 353.0







#73

Isopropylbenzene

Concen: 5.109 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion:105 Resp: 37958

Ion Ratio Lower Upper

105 100

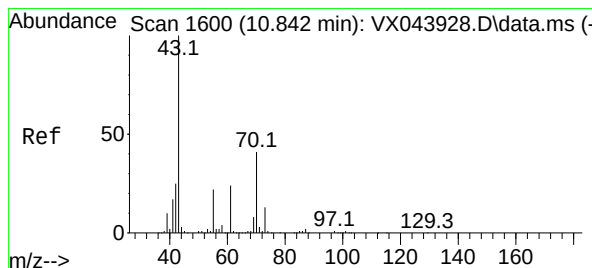
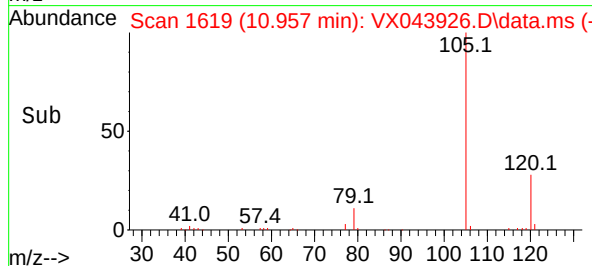
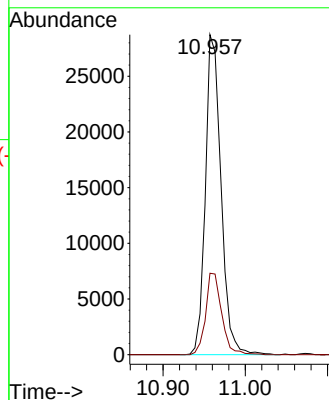
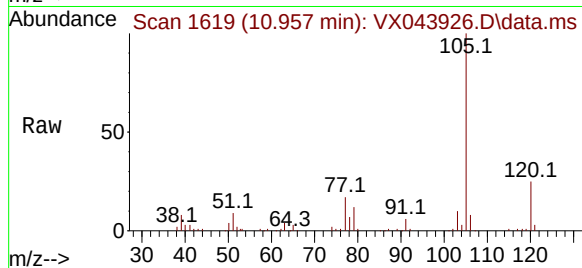
120 26.2 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 4.627 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928

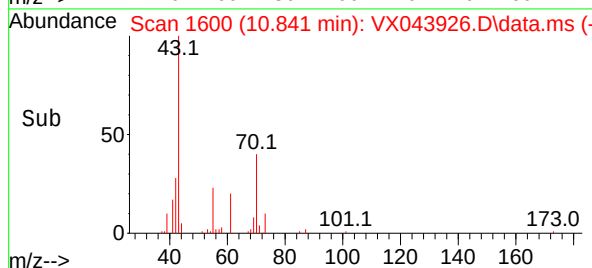
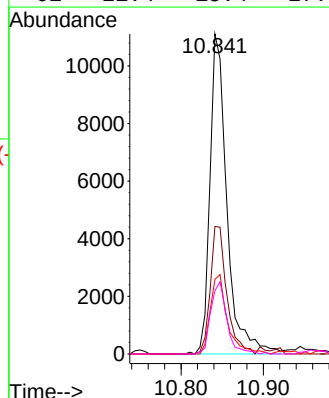
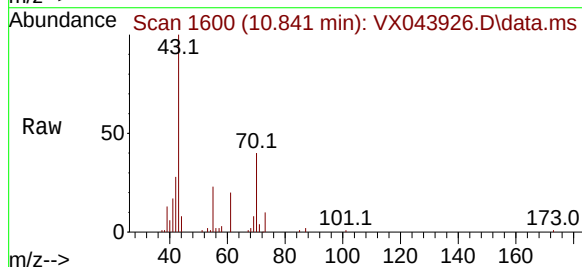
Ion Ratio Lower Upper

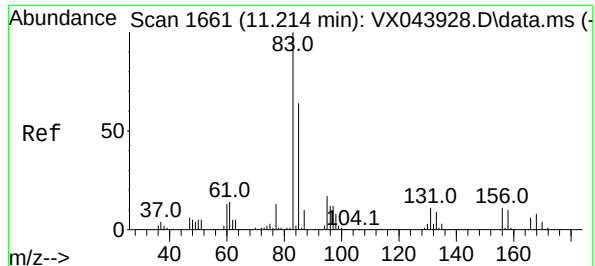
43 100

70 38.5 32.2 48.2

55 24.8 18.1 27.1

61 21.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.152 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

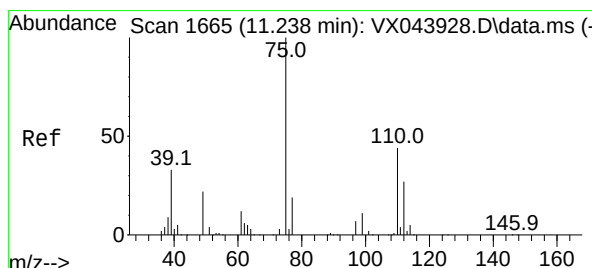
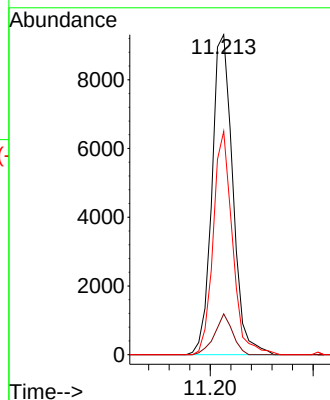
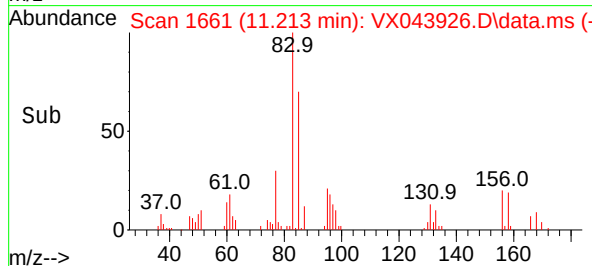
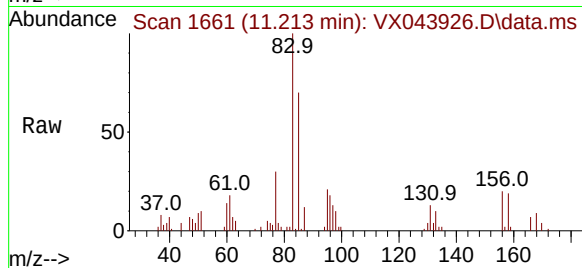
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 83    | Resp: | 1310 |
| Ion Ratio | Lower | Upper |      |
| 83        | 100   |       |      |
| 131       | 11.0  | 5.1   | 15.2 |
| 85        | 64.3  | 32.2  | 96.6 |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 5.776 ug/l m

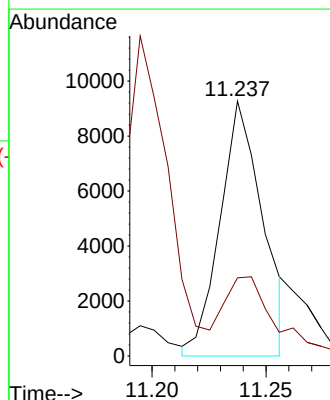
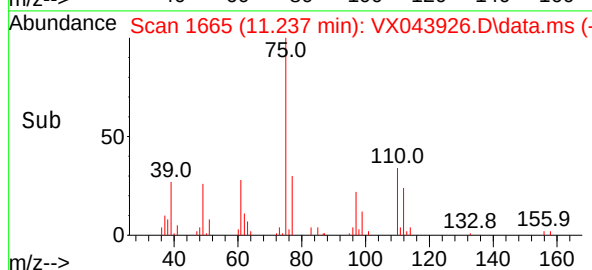
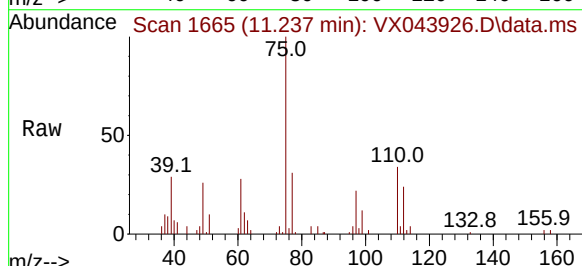
RT: 11.237 min Scan# 1665

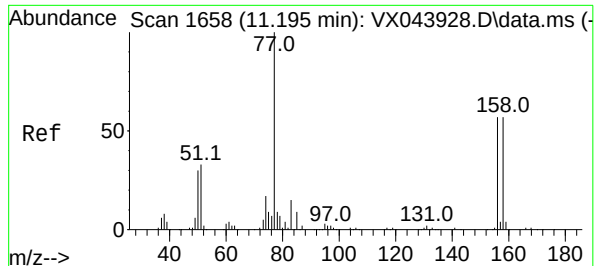
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 12040 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 77        | 37.4  | 21.8  | 65.3  |





#77

Bromobenzene

Concen: 5.224 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion:156 Resp: 925

Ion Ratio Lower Upper

156 100

77 169.5 83.4 250.1

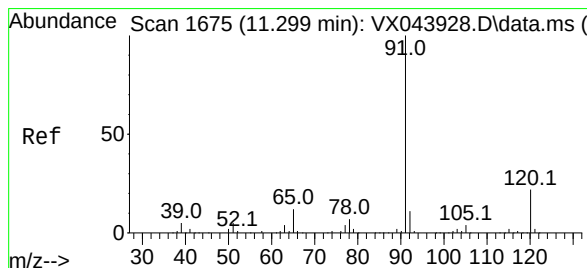
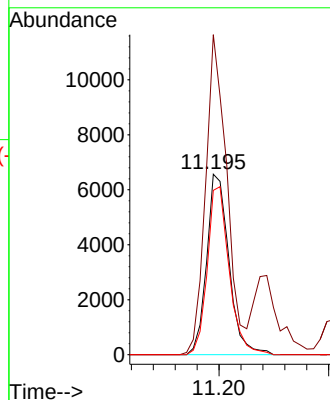
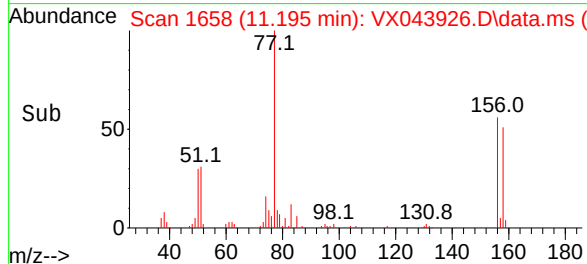
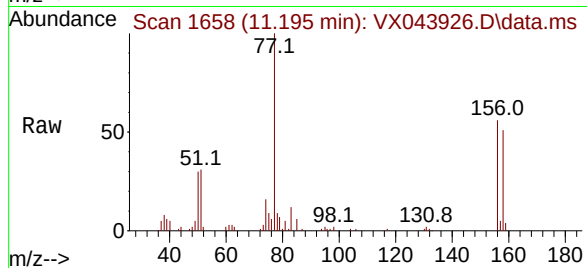
158 91.6 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 4.793 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043926.D

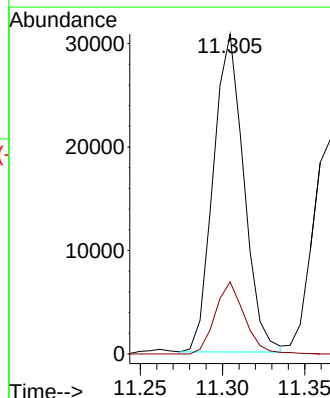
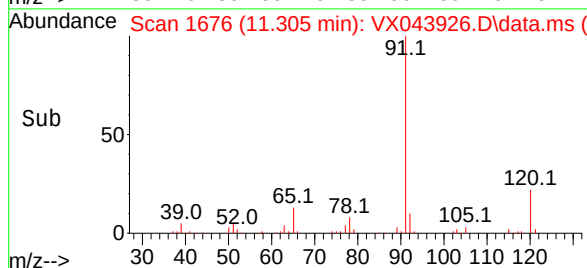
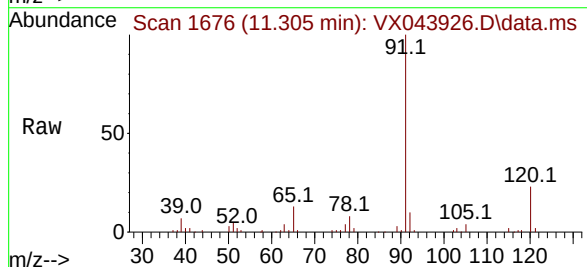
Acq: 21 Nov 2024 10:14

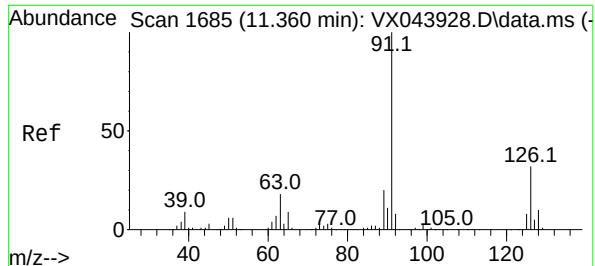
Tgt Ion: 91 Resp: 39774

Ion Ratio Lower Upper

91 100

120 21.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 5.096 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion: 91 Resp: 26740

Ion Ratio Lower Upper

91 100

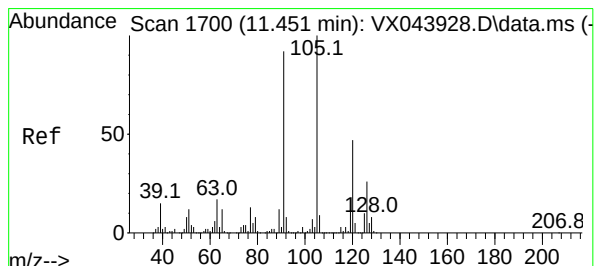
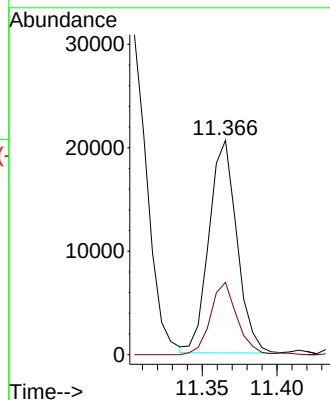
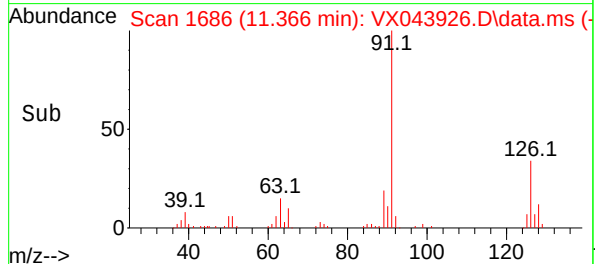
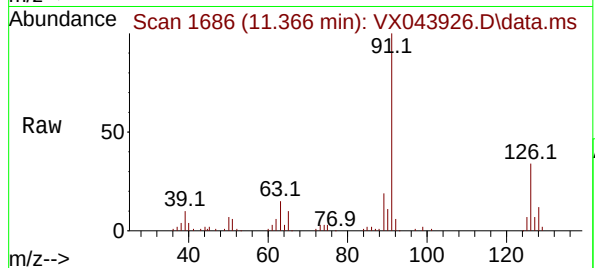
126 32.7 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 4.926 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043926.D

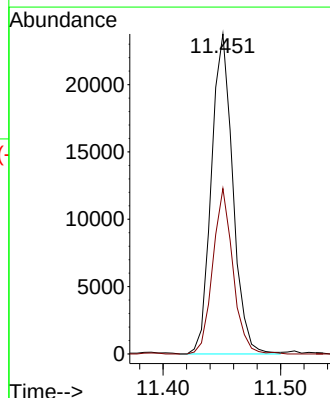
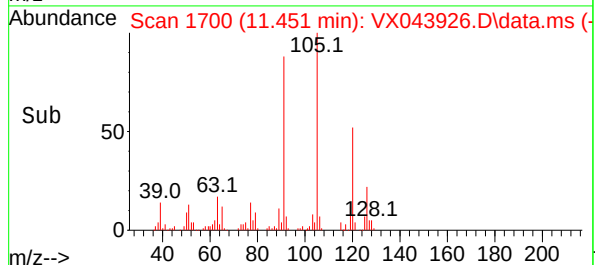
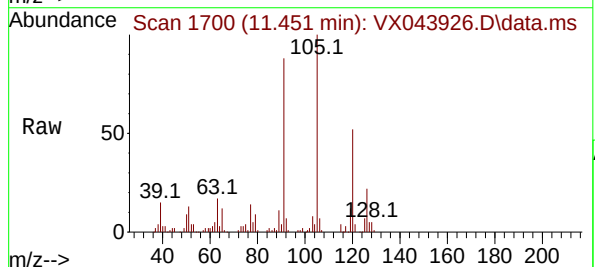
Acq: 21 Nov 2024 10:14

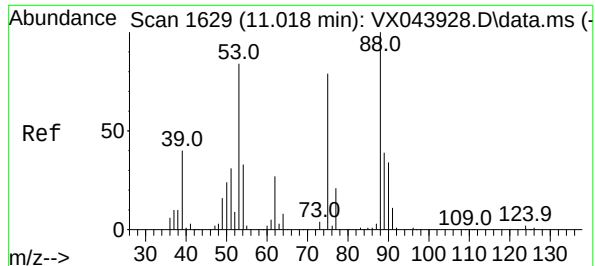
Tgt Ion:105 Resp: 30114

Ion Ratio Lower Upper

105 100

120 48.6 23.3 69.8





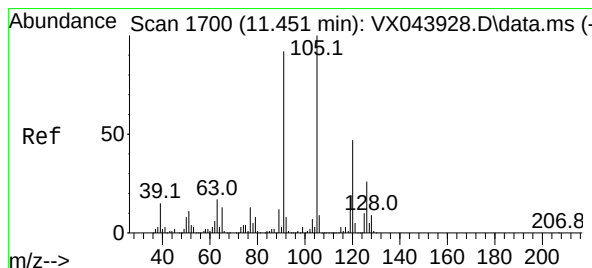
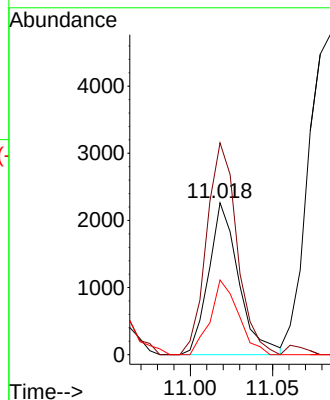
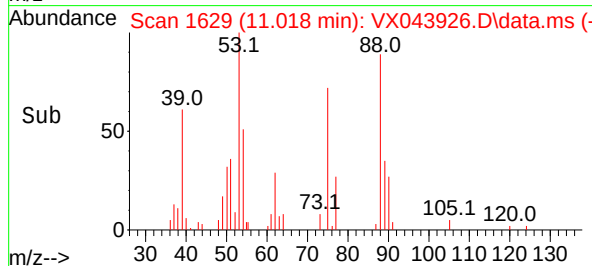
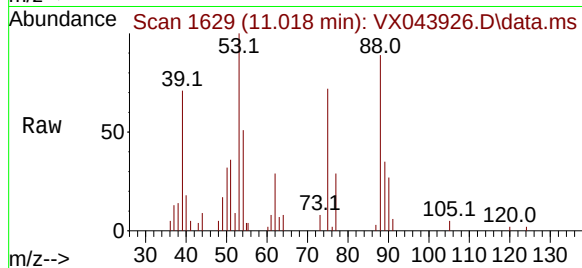
#81  
trans-1,4-Dichloro-2-butene  
Concen: 3.707 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 75 Resp: 2880  
Ion Ratio Lower Upper  
75 100  
53 141.1 86.7 130.1  
89 45.9 38.2 57.2

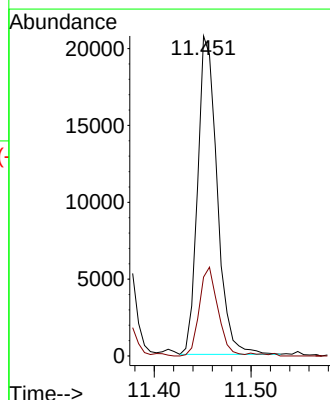
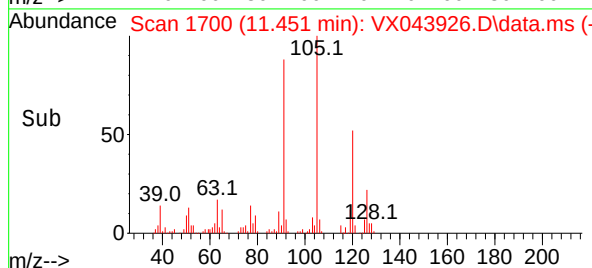
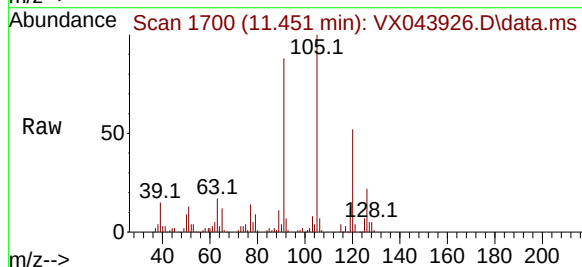
Manual Integrations  
APPROVED

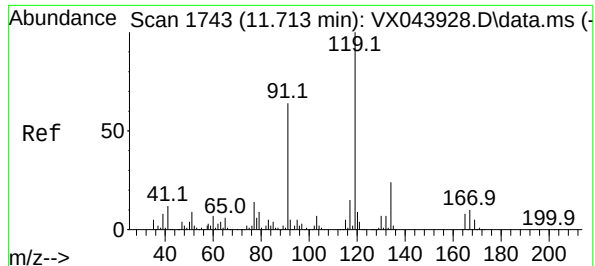
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#82  
4-Chlorotoluene  
Concen: 4.903 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049  
Ion Ratio Lower Upper  
91 100  
126 26.7 14.3 42.9





#83

tert-Butylbenzene

Concen: 4.940 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

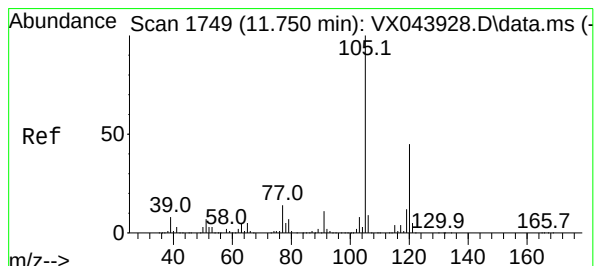
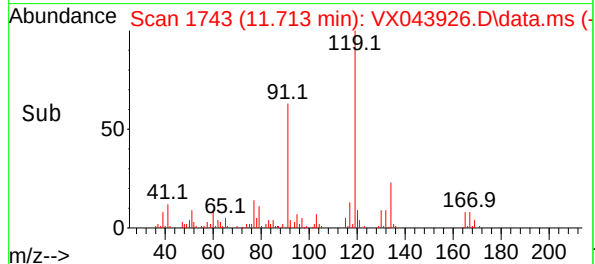
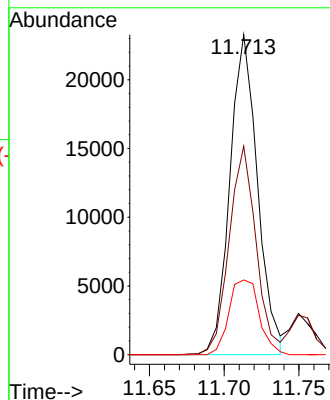
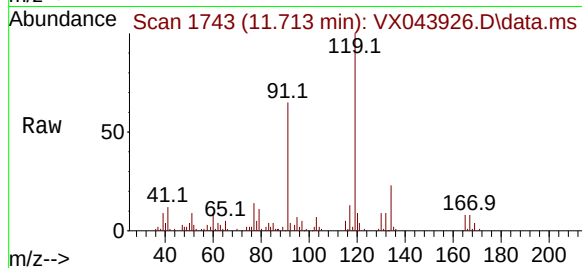
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 119   | Resp: | 29934 |
| Ion Ratio | Lower | Upper |       |
| 119       | 100   |       |       |
| 91        | 63.8  | 31.0  | 93.0  |
| 134       | 25.6  | 11.6  | 34.8  |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 5.040 ug/l

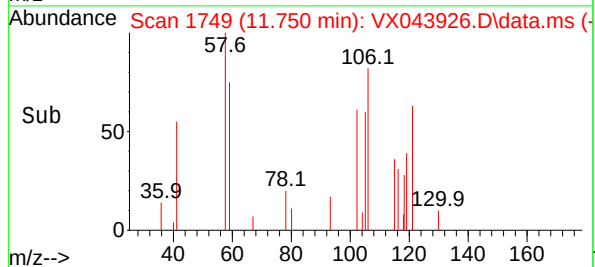
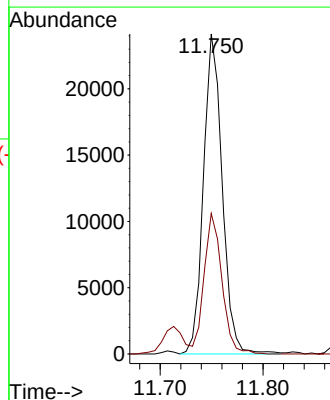
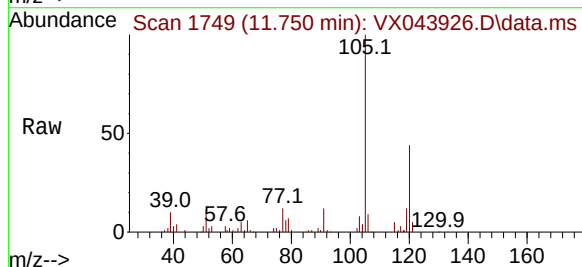
RT: 11.750 min Scan# 1749

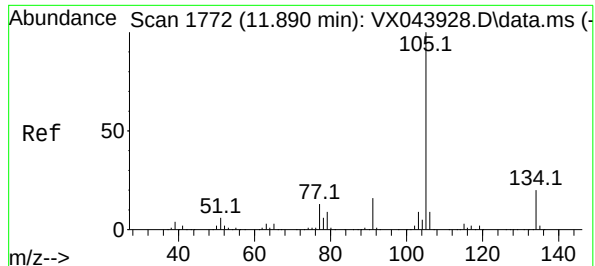
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 105   | Resp: | 30674 |
| Ion Ratio | Lower | Upper |       |
| 105       | 100   |       |       |
| 120       | 41.6  | 21.9  | 65.7  |





#85

sec-Butylbenzene

Concen: 5.105 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:105 Resp: 3789

Ion Ratio Lower Upper

105 100

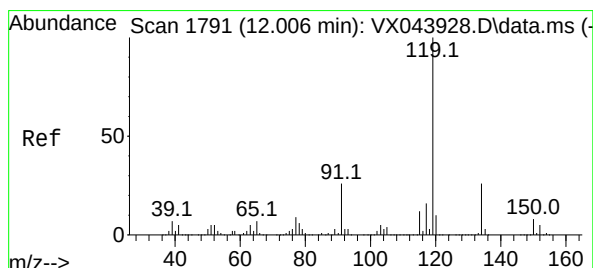
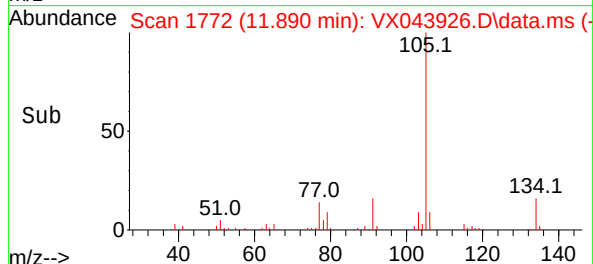
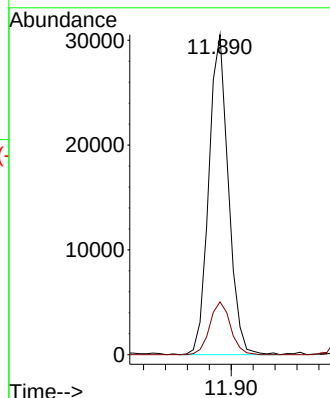
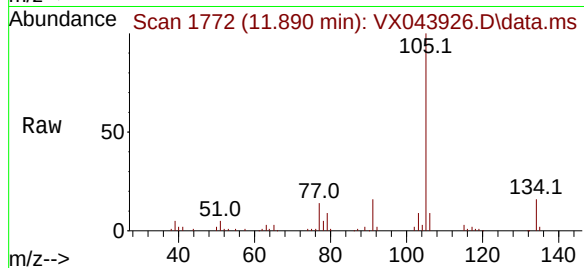
134 17.5 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 4.878 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

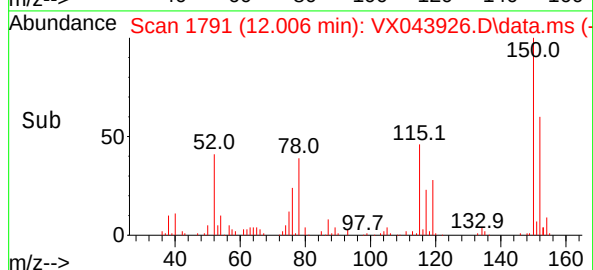
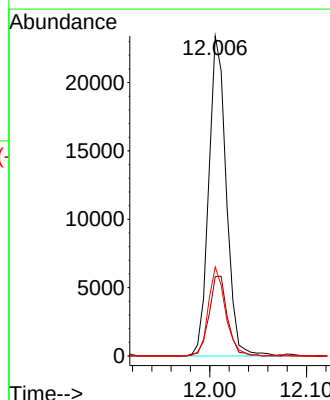
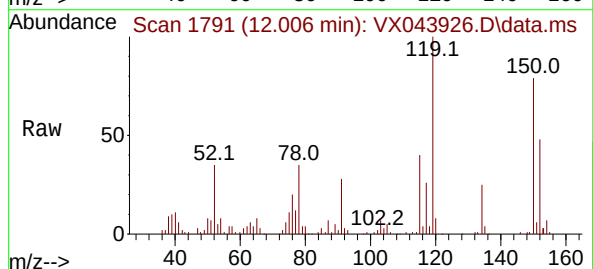
Tgt Ion:119 Resp: 29412

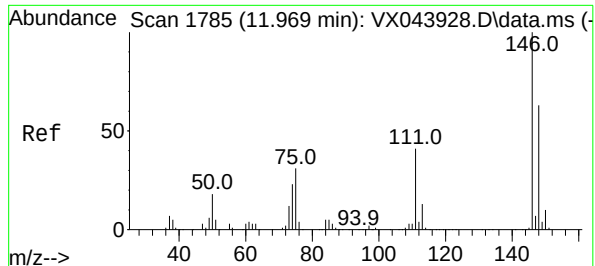
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 27.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 4.959 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 16008

Ion Ratio Lower Upper

146 100

111 41.4 21.1 63.3

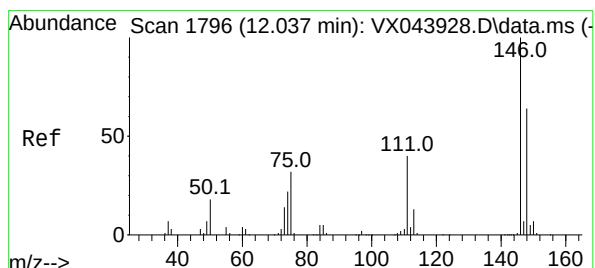
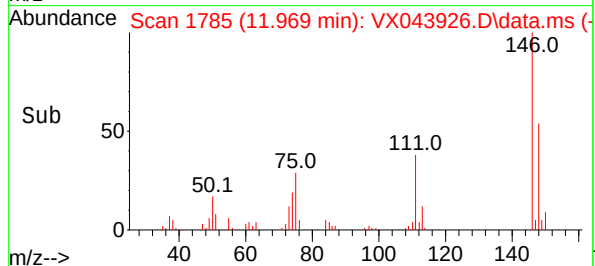
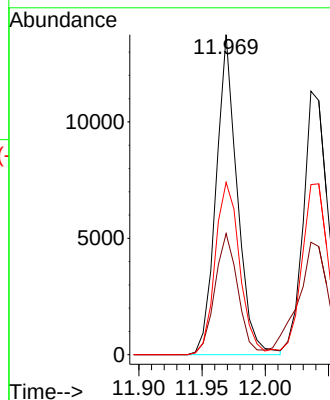
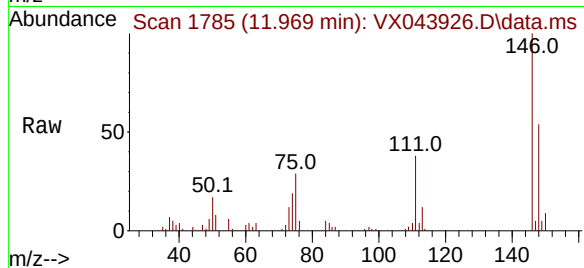
148 62.9 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 4.831 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

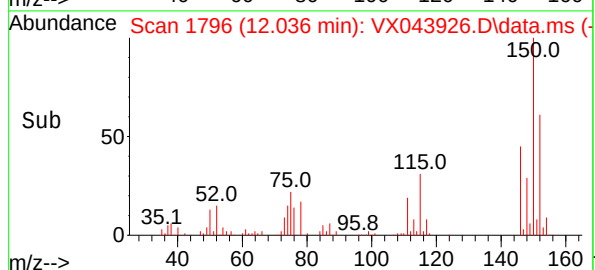
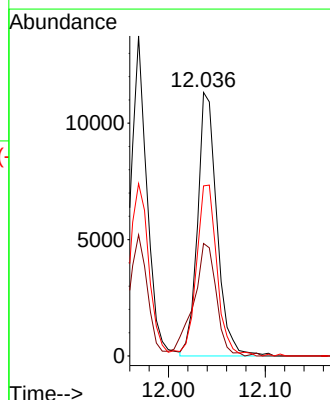
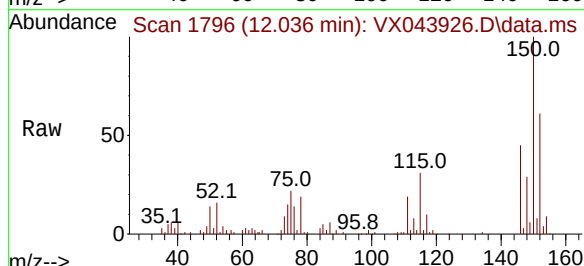
Tgt Ion:146 Resp: 15837

Ion Ratio Lower Upper

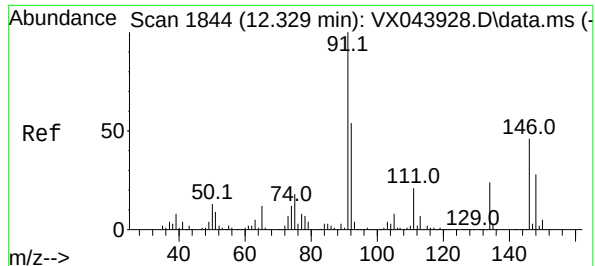
146 100

111 50.2 20.1 60.3

148 67.9 30.9 92.8







#89

n-Butylbenzene

Concen: 4.691 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

Tgt Ion: 91 Resp: 2493

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.8

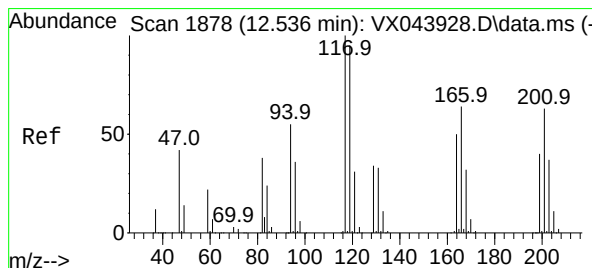
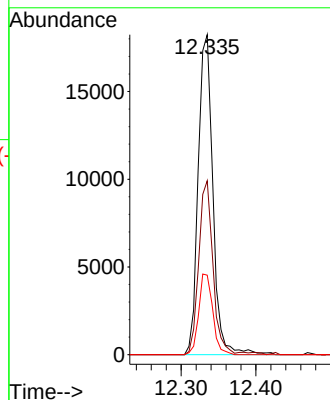
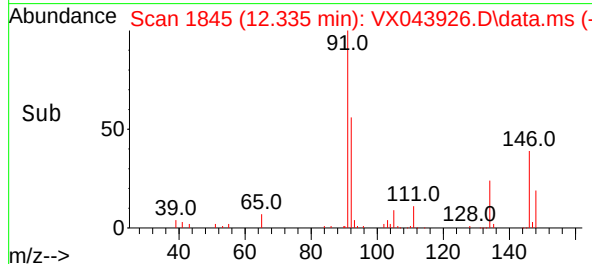
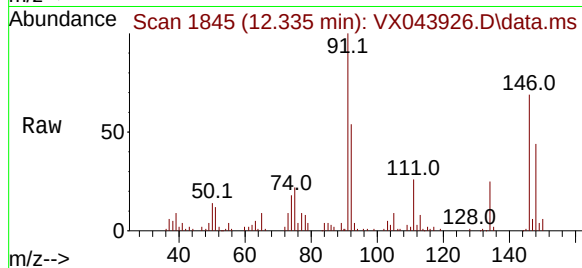
134 23.9 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 4.173 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043926.D

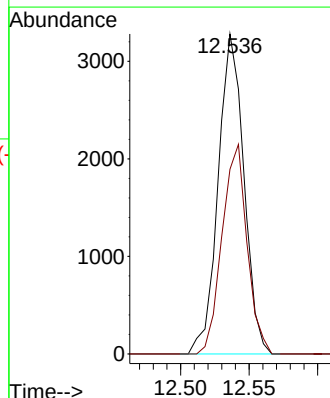
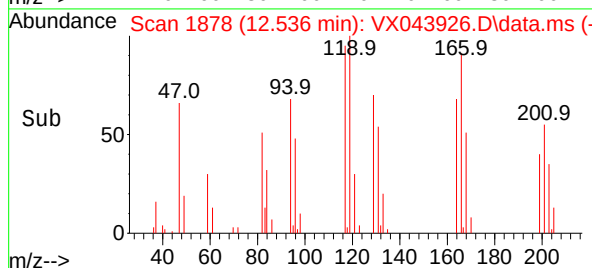
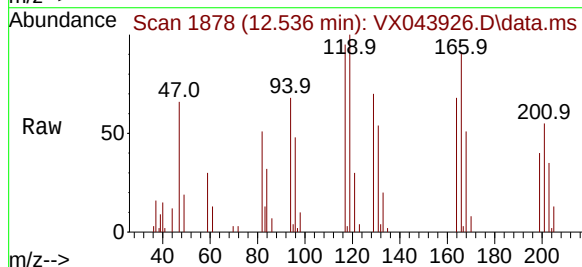
Acq: 21 Nov 2024 10:14

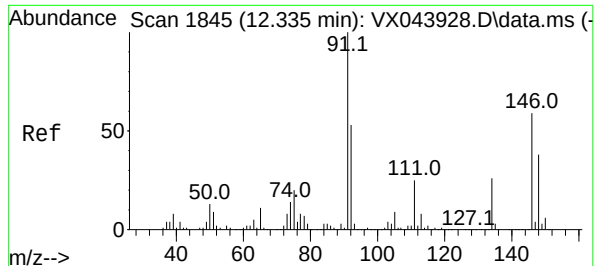
Tgt Ion:117 Resp: 4279

Ion Ratio Lower Upper

117 100

201 63.6 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 5.140 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

Tgt Ion:146 Resp: 1674

Ion Ratio Lower Upper

146 100

111 41.5 21.5 64.5

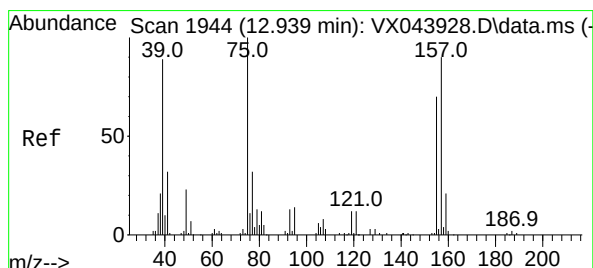
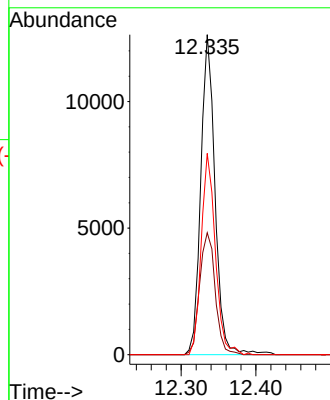
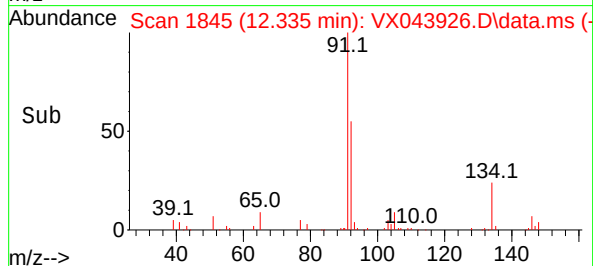
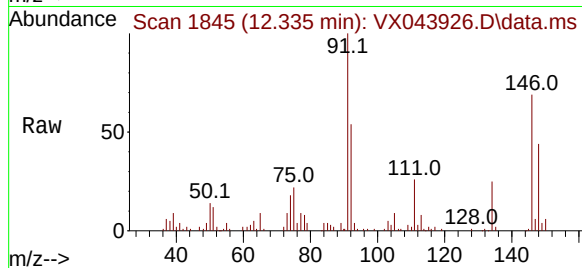
148 62.4 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.814 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

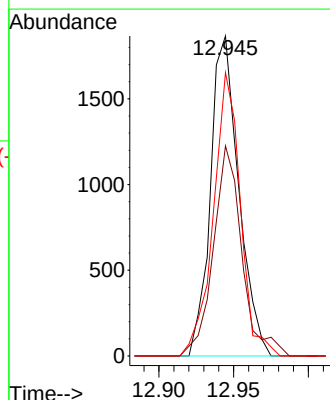
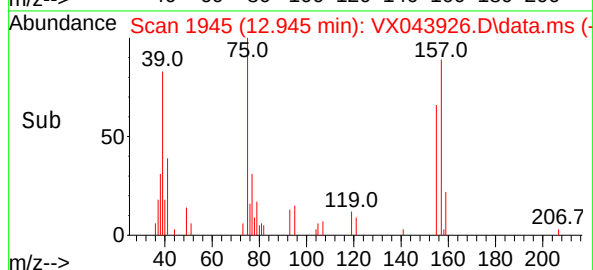
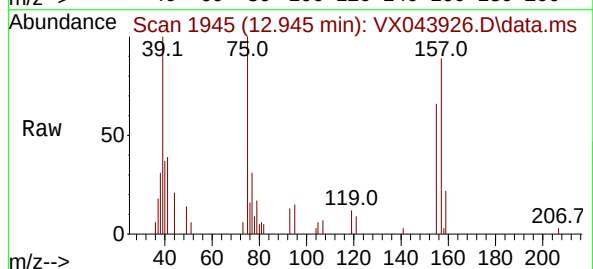
Tgt Ion: 75 Resp: 2454

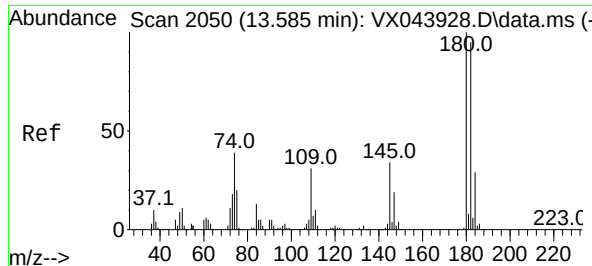
Ion Ratio Lower Upper

75 100

155 66.2 40.1 120.2

157 84.5 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 4.553 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

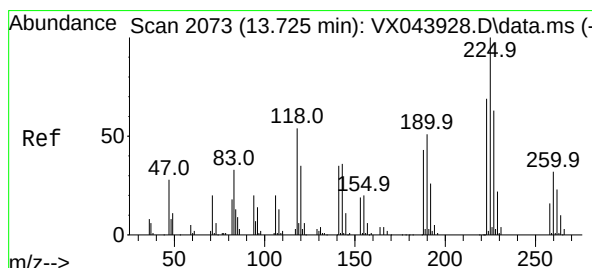
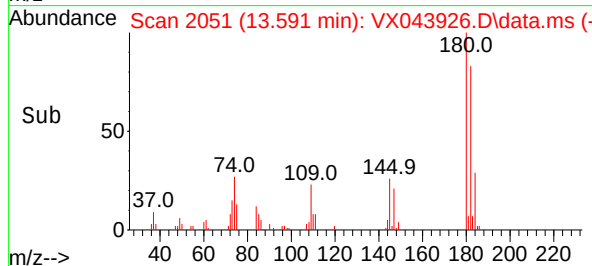
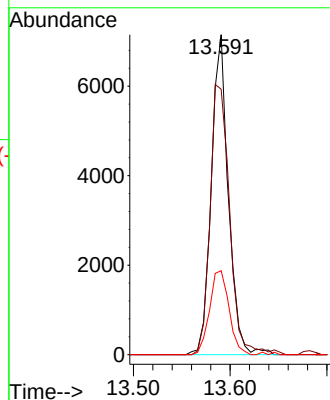
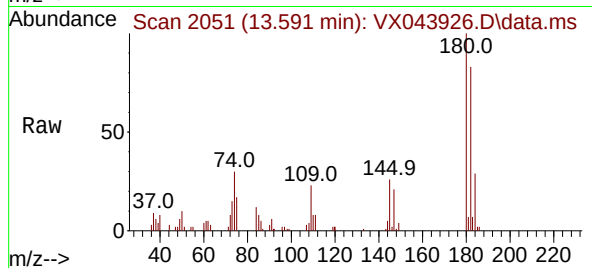
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 8740       |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 96.9  | 48.0 144.2 |
| 145         | 30.0  | 16.8 50.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 4.891 ug/l

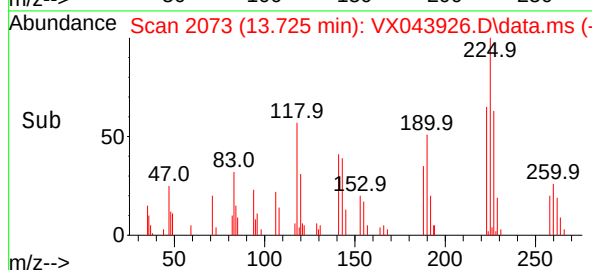
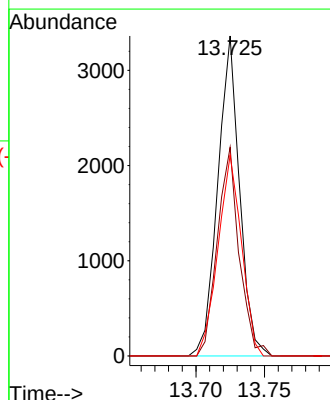
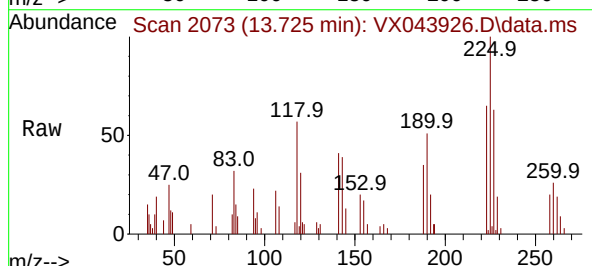
RT: 13.725 min Scan# 2073

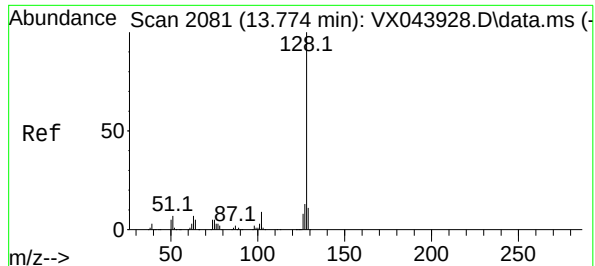
Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 3713      |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 65.4  | 32.9 98.6 |
| 227         | 67.5  | 31.6 94.8 |





#95

Naphthalene

Concen: 4.698 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

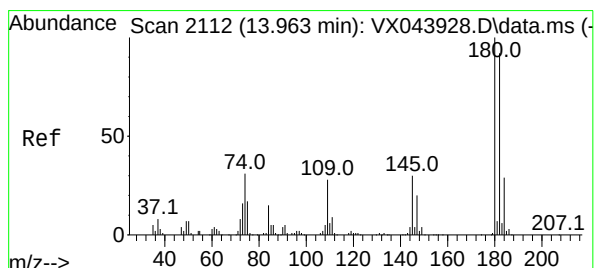
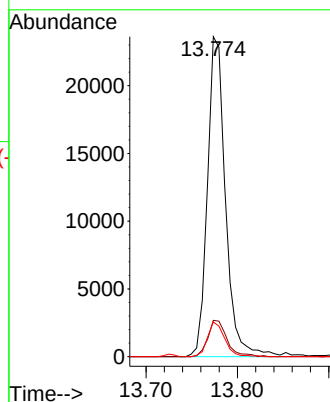
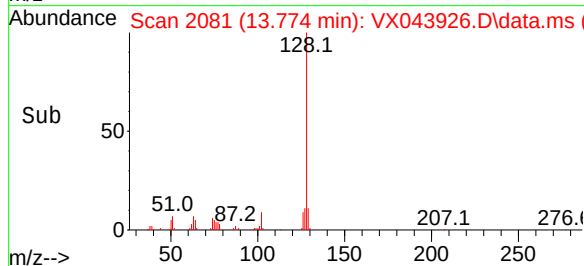
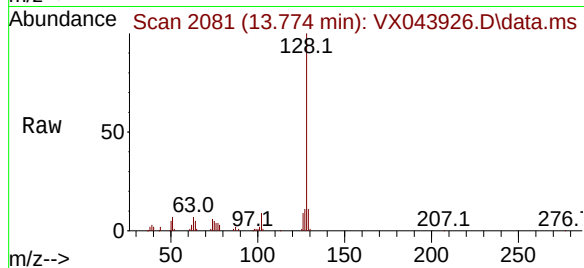
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 128   | Resp: | 3248 |
| Ion Ratio | Lower | Upper |      |
| 128       | 100   |       |      |
| 127       | 12.0  | 10.2  | 15.2 |
| 129       | 10.4  | 8.6   | 12.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 4.773 ug/l

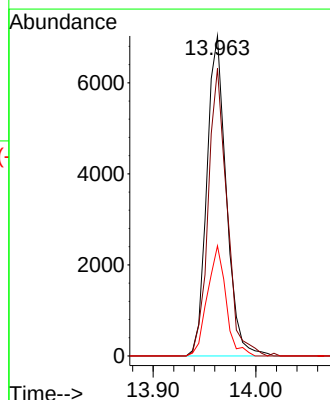
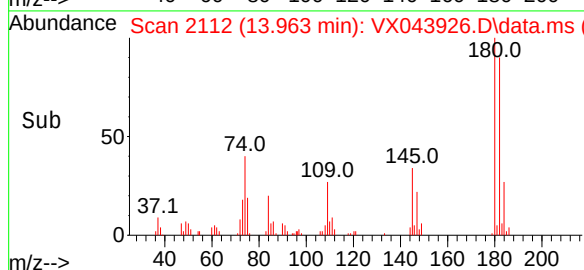
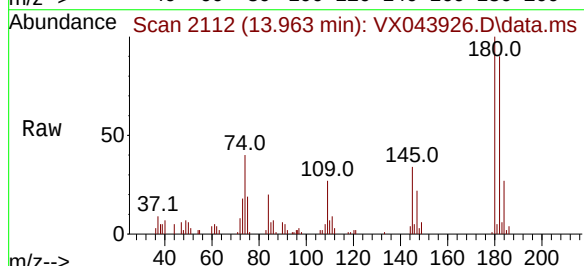
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 9280  |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 86.7  | 45.6  | 136.8 |
| 145       | 32.7  | 16.4  | 49.4  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043927.D  
 Acq On : 21 Nov 2024 10:37  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Quant Time: Nov 21 11:27:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 11:25:29 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 137617   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 247844   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 217871   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 98477    | 50.000 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 48239    | 22.821   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 45.640%# |
| 35) Dibromofluoromethane  | 5.385  | 113   | 35015    | 21.040   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 42.080%# |
| 50) Toluene-d8            | 8.647  | 98    | 122646   | 22.060   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 44.120%# |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 41087    | 22.365   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 44.720%# |

#### Target Compounds

|                              |       |     |        |         |        | Qvalue |
|------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 35268  | 25.327  | ug/l   | 98     |
| 3) Chloromethane             | 1.295 | 50  | 39622  | 22.767  | ug/l   | 93     |
| 4) Vinyl Chloride            | 1.374 | 62  | 40173  | 22.975  | ug/l   | 95     |
| 5) Bromomethane              | 1.593 | 94  | 24112  | 30.357  | ug/l   | 98     |
| 6) Chloroethane              | 1.666 | 64  | 22213  | 26.595  | ug/l   | 97     |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 73464  | 29.469  | ug/l   | 99     |
| 8) Diethyl Ether             | 2.136 | 74  | 25875  | 27.531  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 33284  | 22.561  | ug/l   | 96     |
| 10) Methyl Iodide            | 2.441 | 142 | 43047  | 20.733  | ug/l   | 94     |
| 11) Tert butyl alcohol       | 3.002 | 59  | 36554  | 108.748 | ug/l   | 100    |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 32180  | 22.474  | ug/l   | 96     |
| 13) Acrolein                 | 2.240 | 56  | 35249  | 93.505  | ug/l   | 99     |
| 14) Allyl chloride           | 2.660 | 41  | 53053  | 22.853  | ug/l # | 88     |
| 15) Acrylonitrile            | 3.069 | 53  | 94417  | 109.118 | ug/l   | 99     |
| 16) Acetone                  | 2.386 | 43  | 110373 | 130.004 | ug/l   | 89     |
| 17) Carbon Disulfide         | 2.502 | 76  | 59349  | 18.983  | ug/l   | 98     |
| 18) Methyl Acetate           | 2.709 | 43  | 50136  | 21.564  | ug/l   | 99     |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 121776 | 23.009  | ug/l   | 100    |
| 20) Methylene Chloride       | 2.788 | 84  | 37633  | 21.177  | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 33545  | 21.489  | ug/l   | 100    |
| 22) Diisopropyl ether        | 3.764 | 45  | 119475 | 23.557  | ug/l   | 91     |
| 23) Vinyl Acetate            | 3.721 | 43  | 504408 | 122.699 | ug/l   | 98     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 67233  | 22.540  | ug/l   | 99     |
| 25) 2-Butanone               | 4.568 | 43  | 148152 | 124.741 | ug/l   | 97     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 58444  | 23.843  | ug/l   | 96     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 41866  | 21.551  | ug/l   | 94     |
| 28) Bromochloromethane       | 4.891 | 49  | 26507  | 21.119  | ug/l   | 90     |
| 29) Tetrahydrofuran          | 5.013 | 42  | 87736  | 114.321 | ug/l   | 98     |
| 30) Chloroform               | 5.087 | 83  | 72049  | 23.172  | ug/l   | 97     |
| 31) Cyclohexane              | 5.458 | 56  | 53731  | 22.225  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 62394  | 23.474  | ug/l   | 98     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 44465  | 21.438  | ug/l   | 99     |
| 37) Ethyl Acetate            | 4.715 | 43  | 54426  | 23.316  | ug/l   | 97     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 48701  | 22.179  | ug/l   | 99     |
| 39) Methylcyclohexane        | 7.379 | 83  | 55958  | 21.551  | ug/l   | 99     |
| 40) Benzene                  | 6.025 | 78  | 144401 | 22.144  | ug/l   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043927.D  
 Acq On : 21 Nov 2024 10:37  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

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

Quant Time: Nov 21 11:27:10 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 11:25:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 28938    | 23.789  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 57981    | 24.487  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.349  | 43   | 88577    | 24.054  | ug/l   | 94       |
| 44) Trichloroethene           | 7.117  | 130  | 36440    | 20.270  | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 35791    | 22.394  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 27799    | 23.082  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 49665    | 23.471  | ug/l # | 94       |
| 48) Methyl methacrylate       | 7.690  | 41   | 41962    | 22.991  | ug/l # | 87       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 12071    | 310.503 | ug/l # | 62       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 278479   | 121.285 | ug/l   | 95       |
| 52) Toluene                   | 8.714  | 92   | 87569    | 23.277  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 50294    | 23.425  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 56407    | 23.184  | ug/l # | 91       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 37148    | 25.308  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 56585    | 24.347  | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 61420    | 24.976  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 136842   | 112.277 | ug/l   | 96       |
| 59) 2-Hexanone                | 9.433  | 43   | 213629   | 131.869 | ug/l   | 93       |
| 60) Dibromochloromethane      | 9.519  | 129  | 34133    | 23.864  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 36985    | 24.156  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 29274    | 20.948  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 96469    | 21.197  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 32353    | 21.360  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 166435   | 21.731  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 122658   | 42.997  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 60254    | 21.648  | ug/l   | 94       |
| 70) Styrene                   | 10.653 | 104  | 102329   | 22.308  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 19329    | 19.555  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.964 | 105  | 157405   | 22.393  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 73525    | 23.459  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 54158    | 22.787  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 45423m   | 22.601  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 37631    | 21.843  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 176034   | 22.696  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 112986   | 22.894  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 132041   | 22.662  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 14743    | 20.654  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 125521   | 22.085  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 128636   | 21.582  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 132595   | 22.408  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 156312   | 21.962  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 130605   | 21.854  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 67003    | 20.986  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 67195    | 20.527  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 110491   | 21.698  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 19547    | 19.432  | ug/l   | 95       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 67852    | 20.298  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 9939     | 20.259  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 38866    | 19.894  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 14818    | 18.508  | ug/l   | 91       |
| 95) Naphthalene               | 13.774 | 128  | 145678   | 19.999  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 41554    | 20.415  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043927.D  
Acq On : 21 Nov 2024 10:37  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

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

Quant Time: Nov 21 11:27:10 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 11:25:29 2024  
Response via : Initial Calibration

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

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

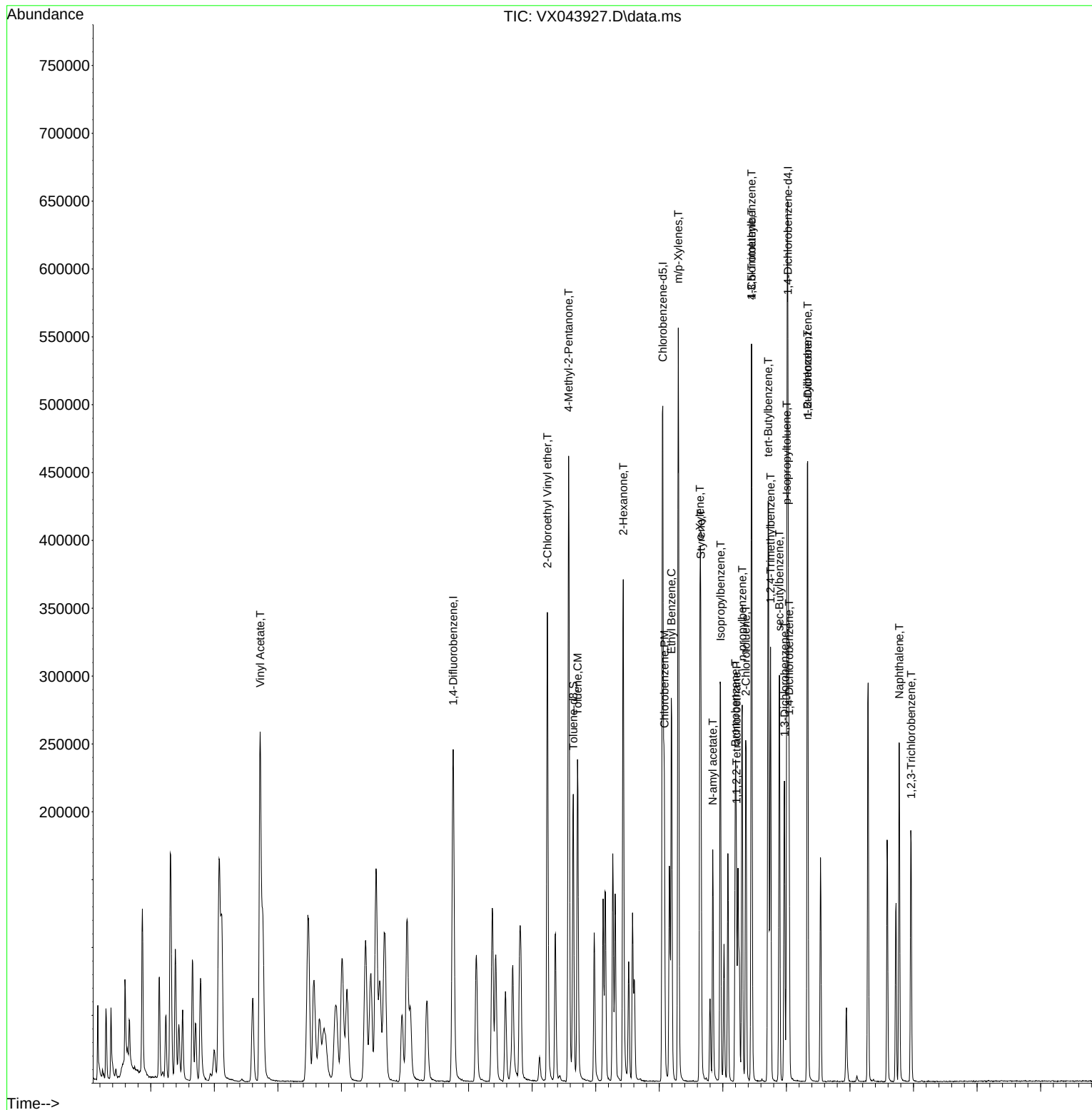
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Data File : VX043927.D  
Acq On : 21 Nov 2024 10:37  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

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

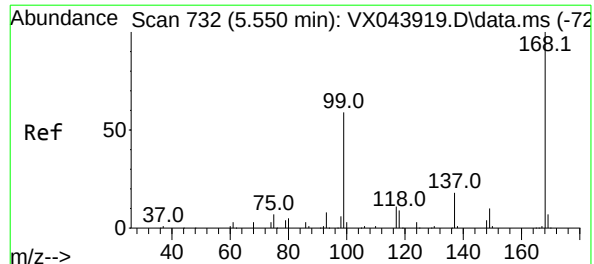
## Manual Integrations APPROVED

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

Quant Time: Nov 21 11:27:10 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 11:25:29 2024  
Response via : Initial Calibration

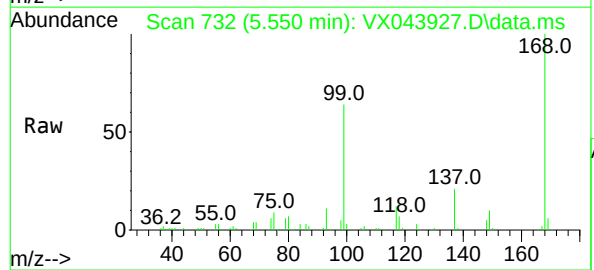






#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

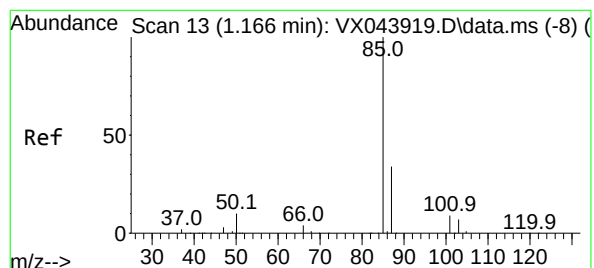
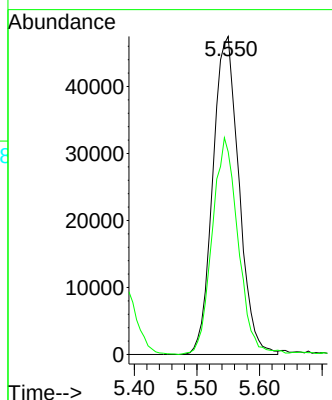
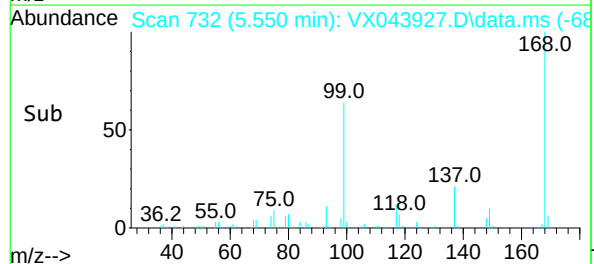
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020



Tgt Ion: 168 Resp: 137617  
Ion Ratio Lower Upper  
168 100  
99 63.7 46.9 70.3

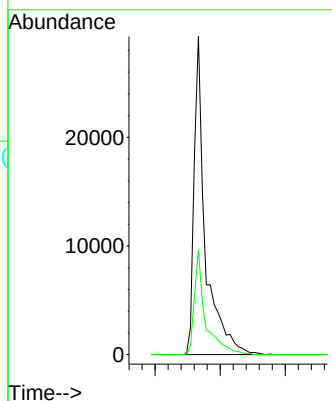
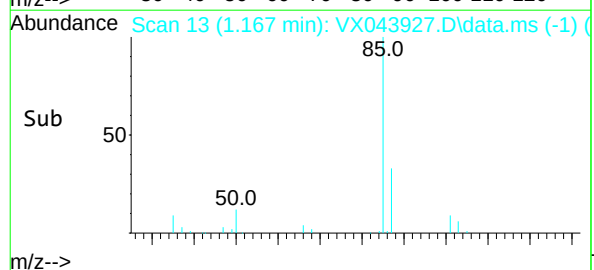
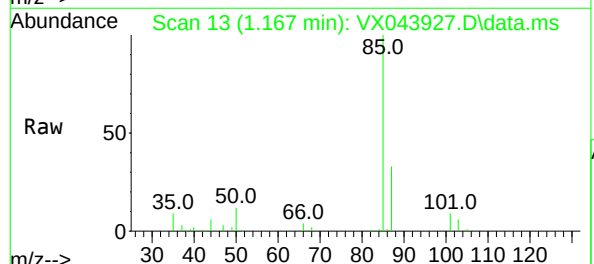
Manual Integrations  
APPROVED

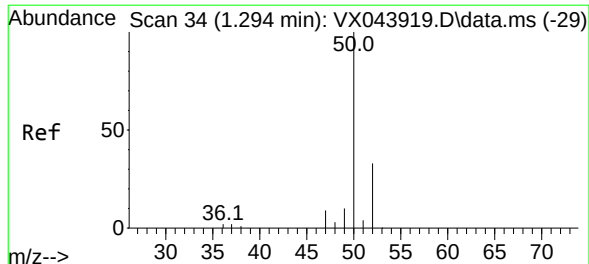
Reviewed By : John Carlone 11/22/2024  
Supervised By : Mahesh Dadoda 11/22/2024



#2  
Dichlorodifluoromethane  
Concen: 25.327 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268  
Ion Ratio Lower Upper  
85 100  
87 32.8 17.1 51.2





#3

Chloromethane

Concen: 22.767 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 50 Resp: 39622

Ion Ratio Lower Upper

50 100

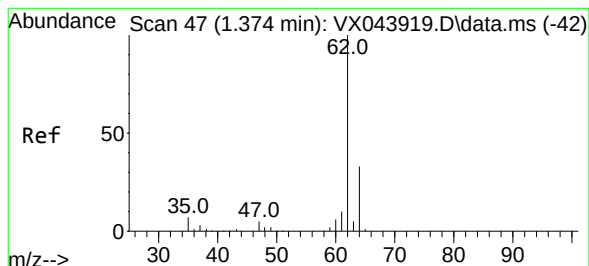
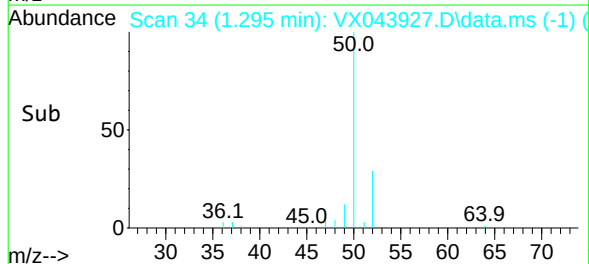
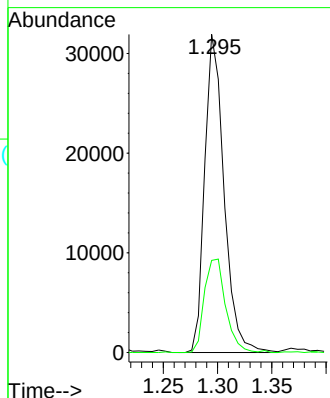
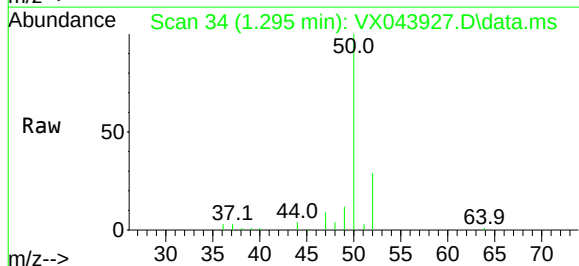
52 28.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 22.975 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043927.D

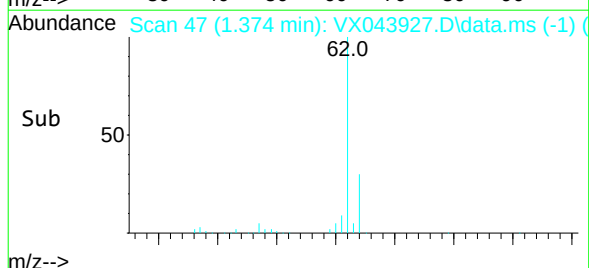
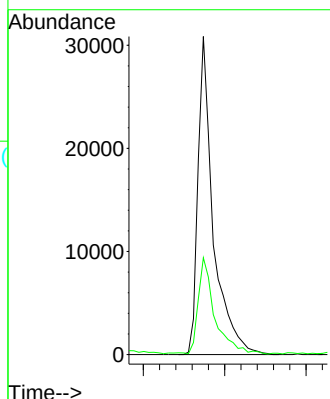
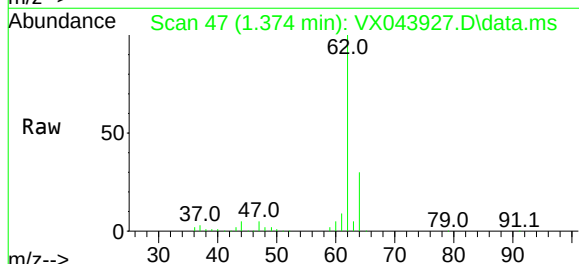
Acq: 21 Nov 2024 10:37

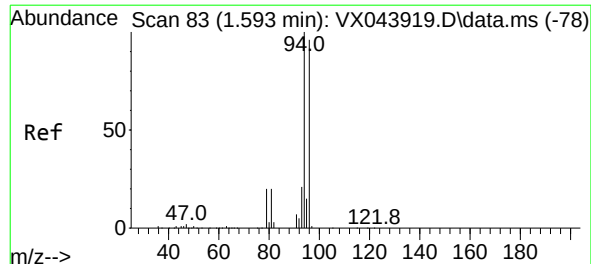
Tgt Ion: 62 Resp: 40173

Ion Ratio Lower Upper

62 100

64 30.0 26.1 39.1





#5

Bromomethane

Concen: 30.357 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 94 Resp: 24112

Ion Ratio Lower Upper

94 100

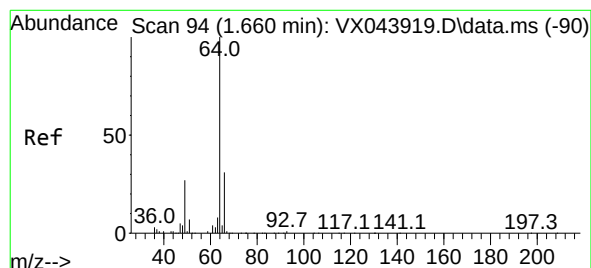
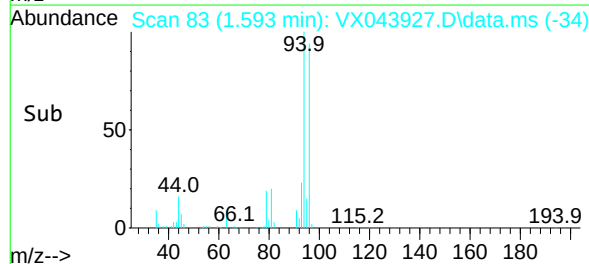
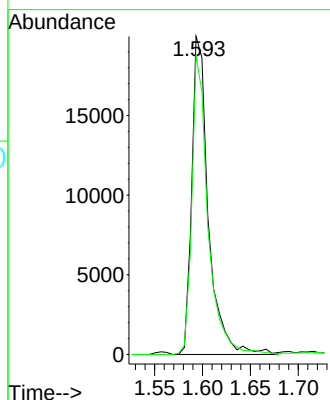
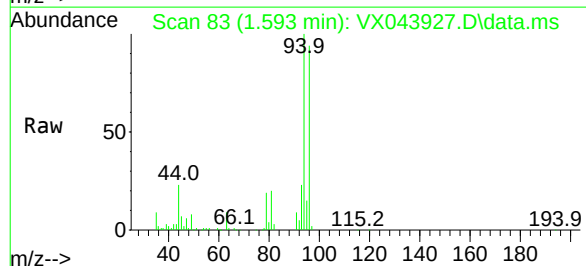
96 94.1 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 26.595 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043927.D

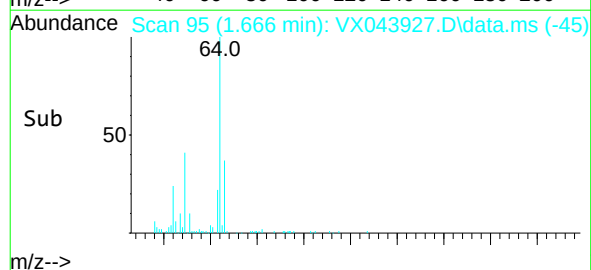
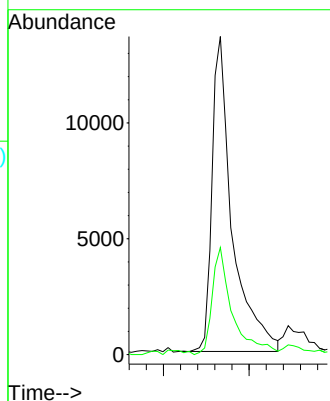
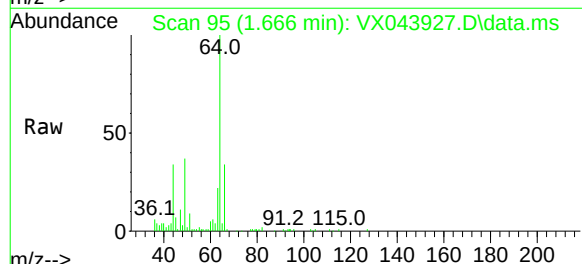
Acq: 21 Nov 2024 10:37

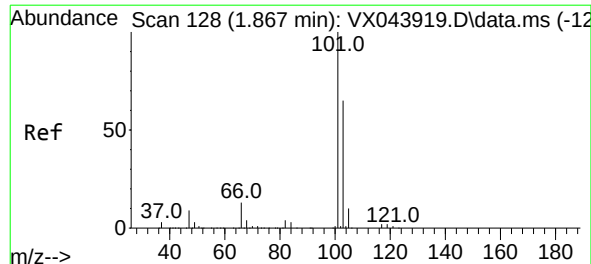
Tgt Ion: 64 Resp: 22213

Ion Ratio Lower Upper

64 100

66 32.9 24.9 37.3





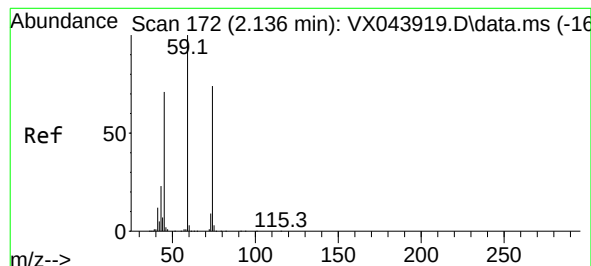
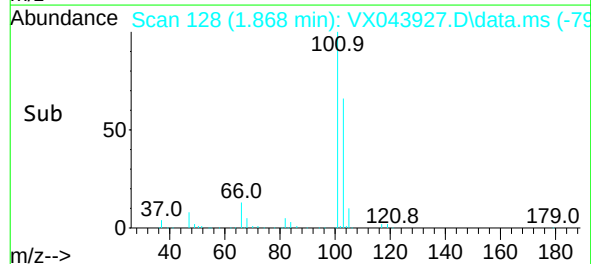
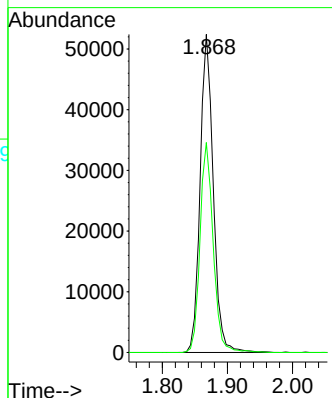
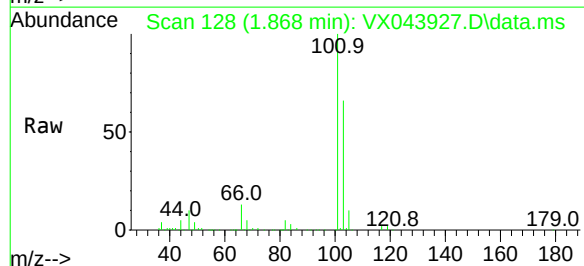
#7  
Trichlorofluoromethane  
Concen: 29.469 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. 0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 101 Resp: 73464  
Ion Ratio Lower Upper  
101 100  
103 66.0 52.2 78.4

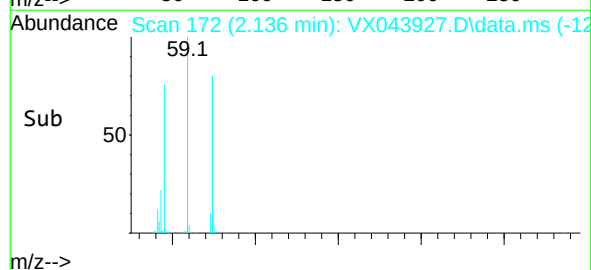
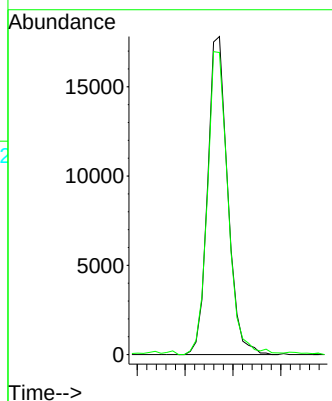
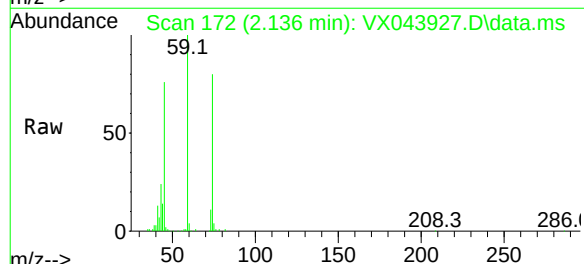
Manual Integrations  
APPROVED

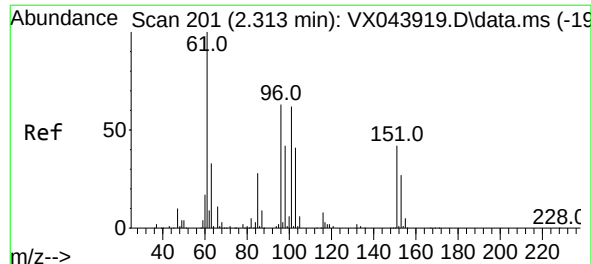
Reviewed By : John Carlone 11/22/2024  
Supervised By : Mahesh Dadoda 11/22/2024



#8  
Diethyl Ether  
Concen: 27.531 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875  
Ion Ratio Lower Upper  
74 100  
45 98.4 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.561 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

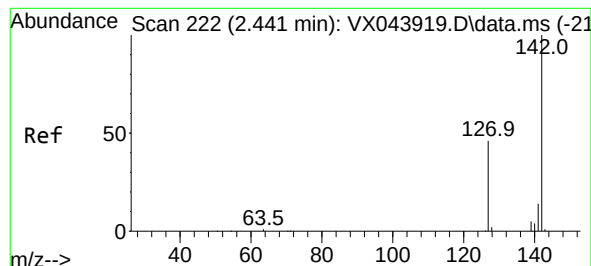
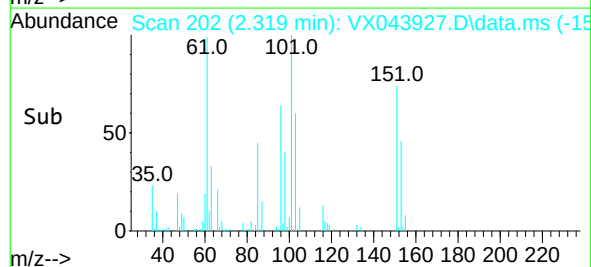
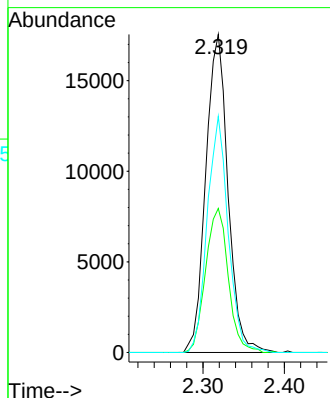
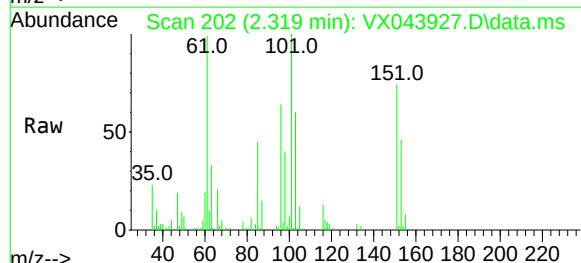
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|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 33284 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 46.3  | 36.6  | 54.8  |
| 151      | 70.1  | 59.8  | 89.6  |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#10

Methyl Iodide

Concen: 20.733 ug/l

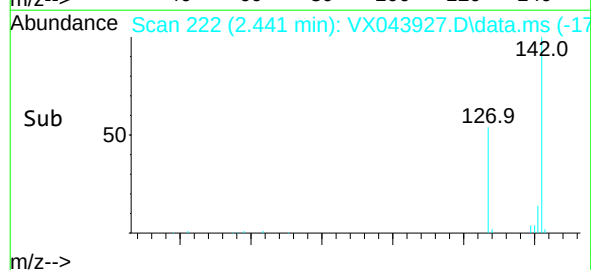
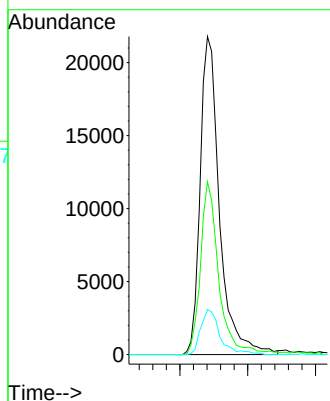
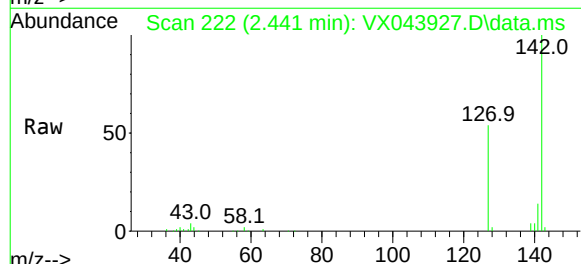
RT: 2.441 min Scan# 222

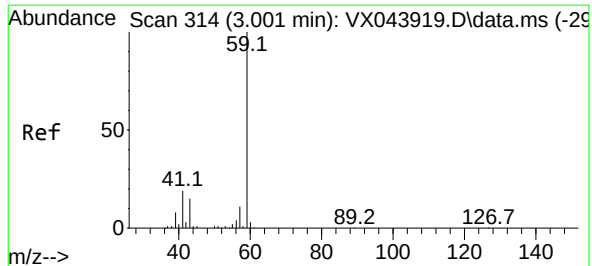
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 142   | Resp: | 43047 |
| Ion      | Ratio | Lower | Upper |
| 142      | 100   |       |       |
| 127      | 51.8  | 37.3  | 55.9  |
| 141      | 14.2  | 11.4  | 17.2  |





#11

Tert butyl alcohol

Concen: 108.748 ug/l

RT: 3.002 min Scan# 314

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 59 Resp: 36554

Ion Ratio Lower Upper

59 100

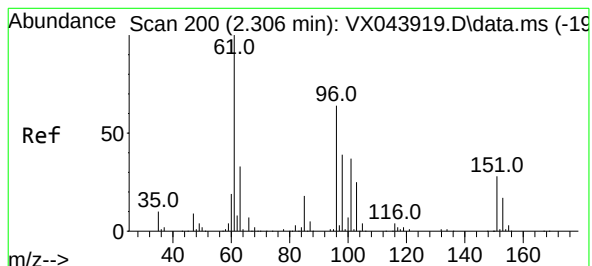
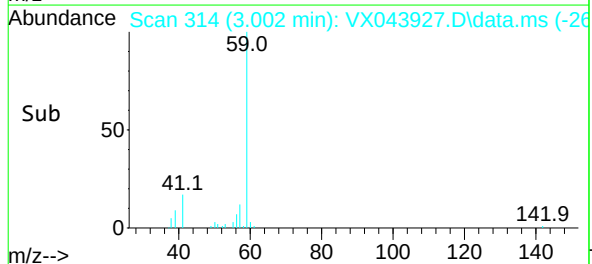
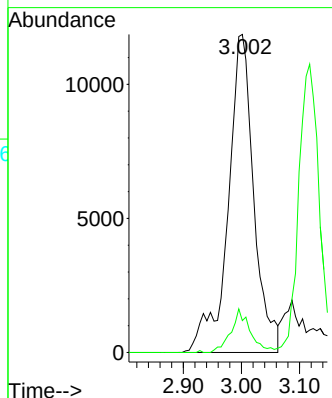
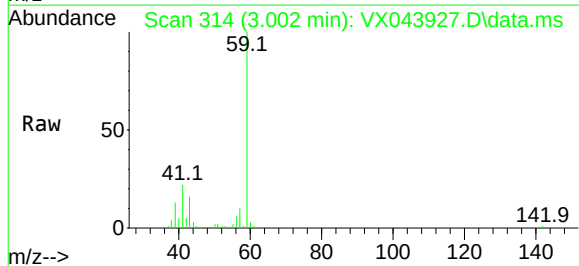
57 10.3 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 22.474 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

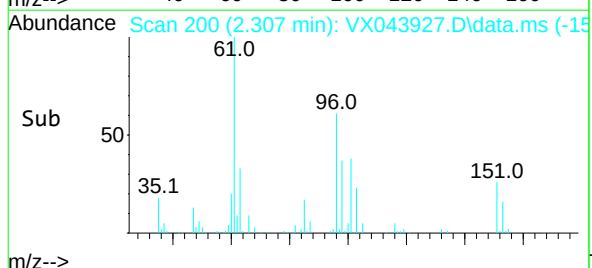
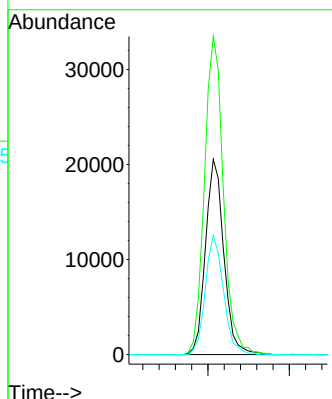
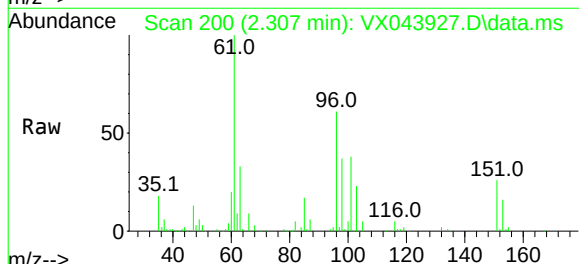
Tgt Ion: 96 Resp: 32180

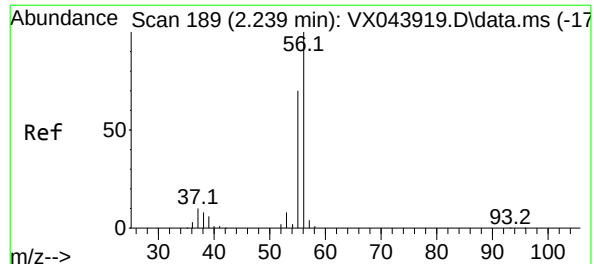
Ion Ratio Lower Upper

96 100

61 162.9 124.6 187.0

98 61.0 49.0 73.6





#13

Acrolein

Concen: 93.505 ug/l

RT: 2.240 min Scan# 18

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 56 Resp: 35249

Ion Ratio Lower Upper

56 100

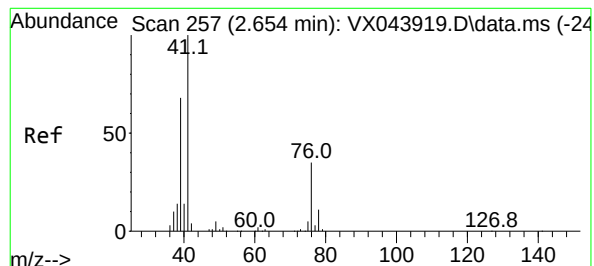
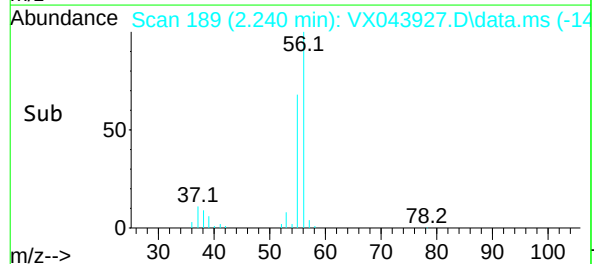
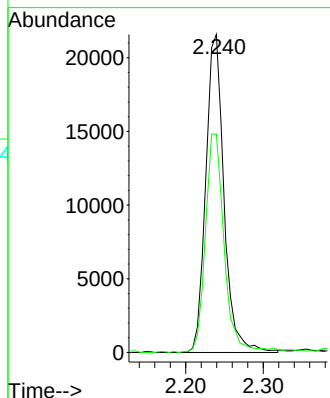
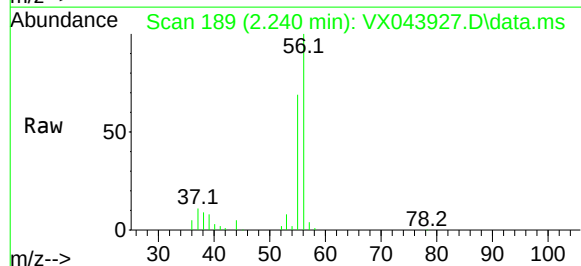
55 71.2 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 22.853 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

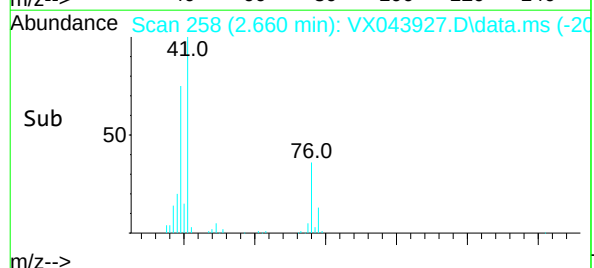
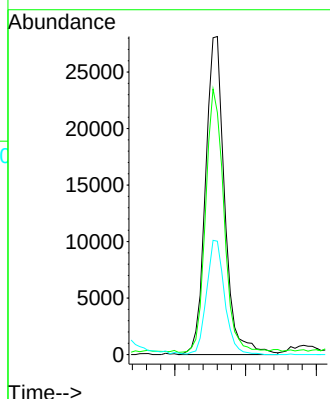
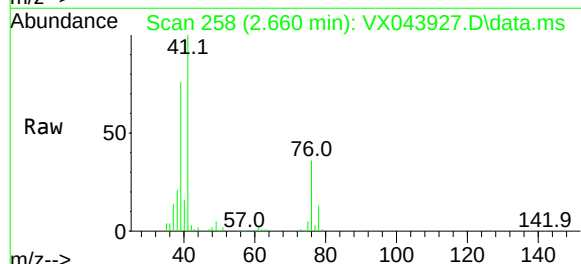
Tgt Ion: 41 Resp: 53053

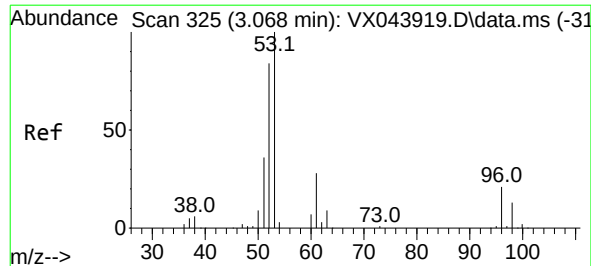
Ion Ratio Lower Upper

41 100

39 78.7 51.7 77.5#

76 33.9 28.2 42.2





#15

Acrylonitrile

Concen: 109.118 ug/l

RT: 3.069 min Scan# 32

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

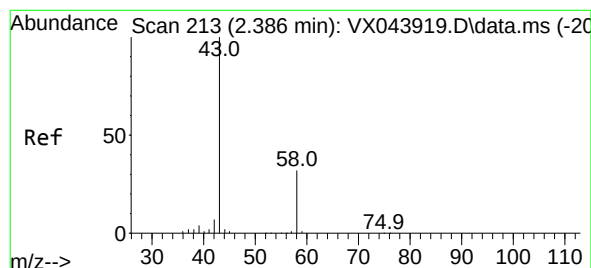
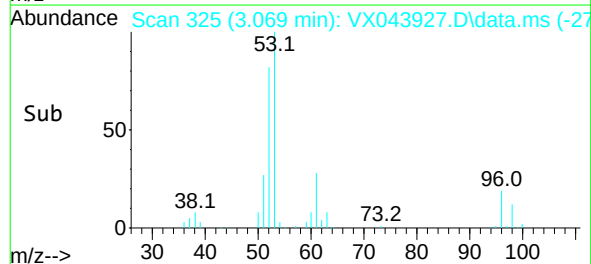
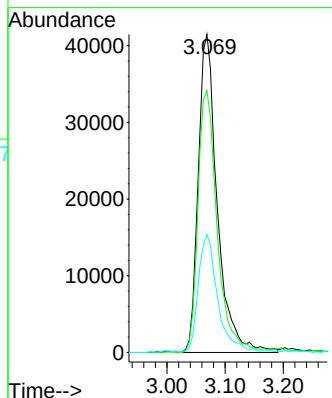
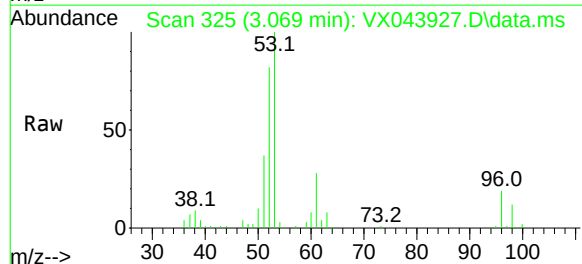
ClientSampleId :

VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 94417 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.1  | 65.8  | 98.8  |
| 51       | 37.1  | 28.6  | 42.8  |

Manual Integrations  
APPROVED

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



#16

Acetone

Concen: 130.004 ug/l

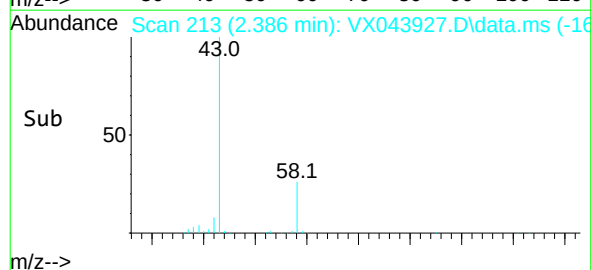
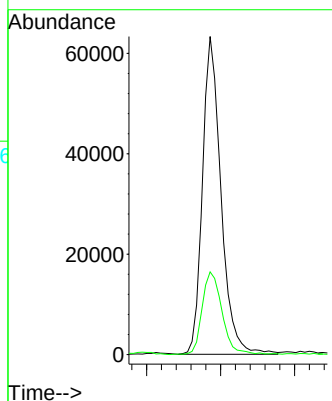
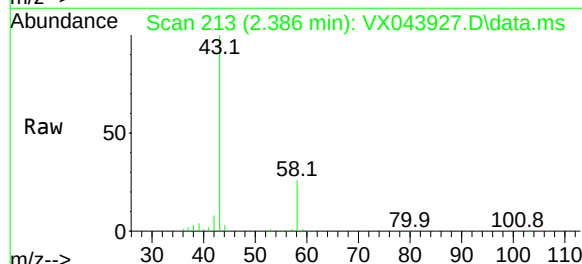
RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

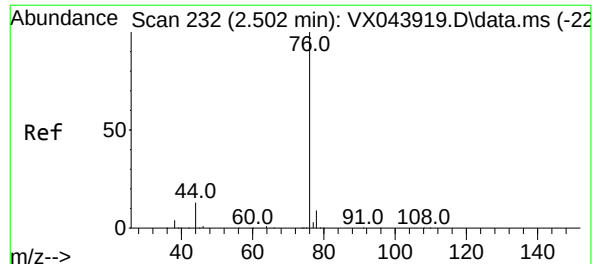
Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 110373 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 25.9  | 25.8  | 38.6   |







#17

Carbon Disulfide

Concen: 18.983 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 76 Resp: 59349

Ion Ratio Lower Upper

76 100

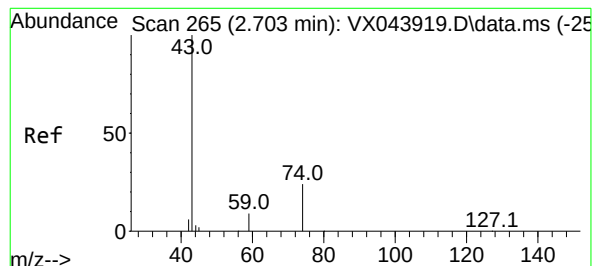
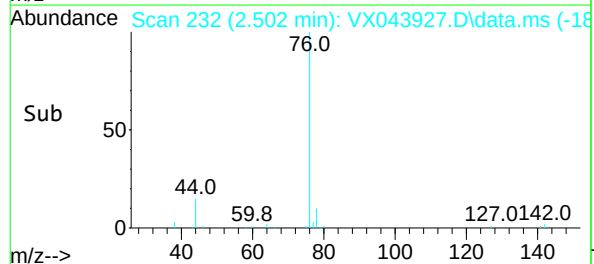
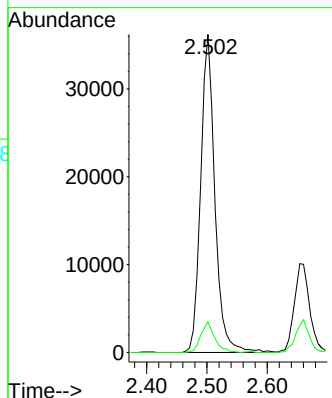
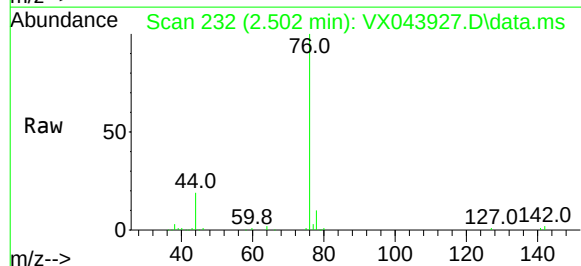
78 9.7 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 21.564 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX043927.D

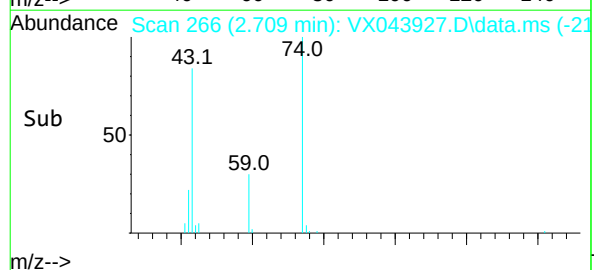
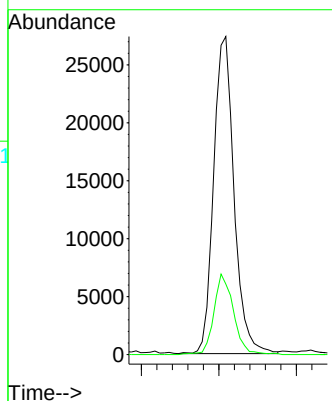
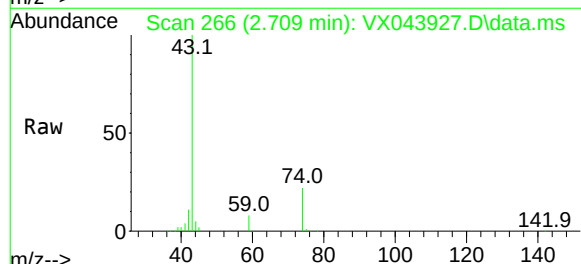
Acq: 21 Nov 2024 10:37

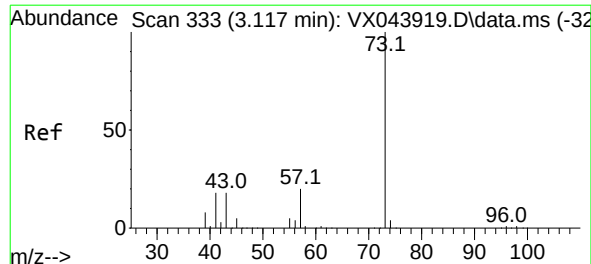
Tgt Ion: 43 Resp: 50136

Ion Ratio Lower Upper

43 100

74 24.4 20.1 30.1





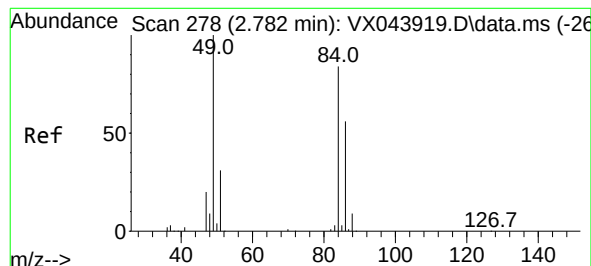
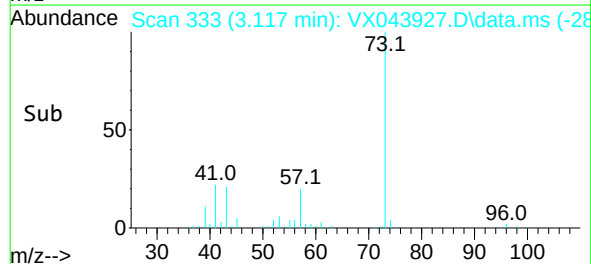
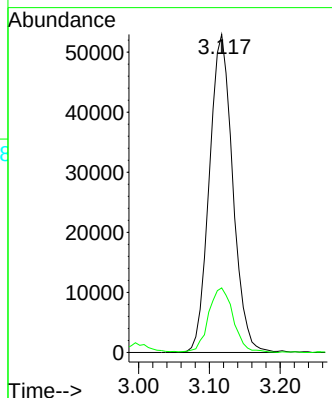
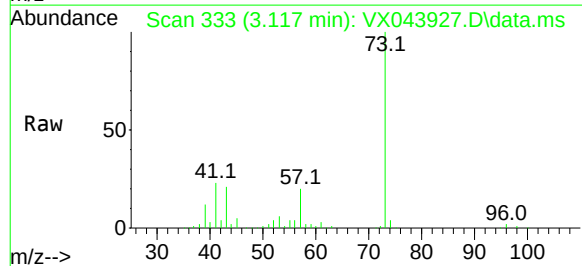
#19  
Methyl tert-butyl Ether  
Concen: 23.009 ug/l  
RT: 3.117 min Scan# 333  
Delta R.T. 0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 73 Resp: 121776  
Ion Ratio Lower Upper  
73 100  
57 20.3 16.4 24.6

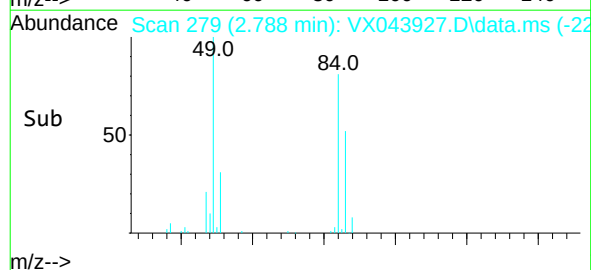
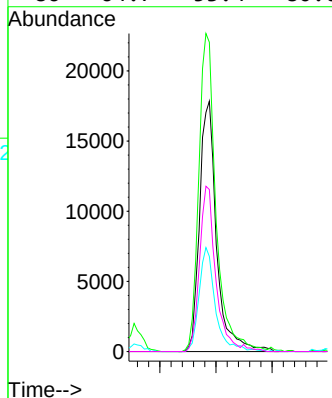
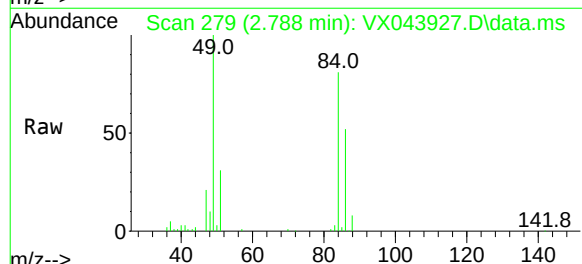
Manual Integrations  
APPROVED

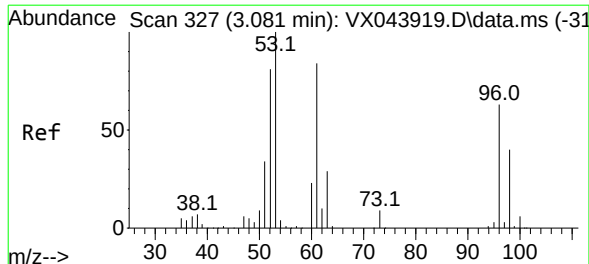
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#20  
Methylene Chloride  
Concen: 21.177 ug/l  
RT: 2.788 min Scan# 279  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633  
Ion Ratio Lower Upper  
84 100  
49 123.5 95.1 142.7  
51 38.0 29.2 43.8  
86 64.7 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 21.489 ug/l

RT: 3.087 min Scan# 32

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 96 Resp: 33545

Ion Ratio Lower Upper

96 100

61 133.4 106.4 159.6

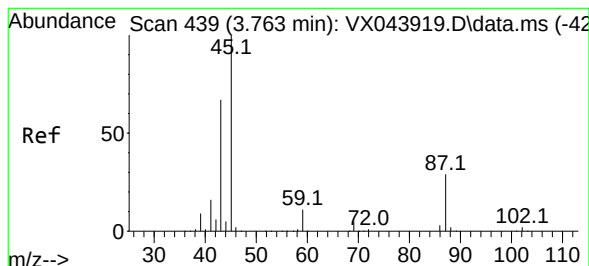
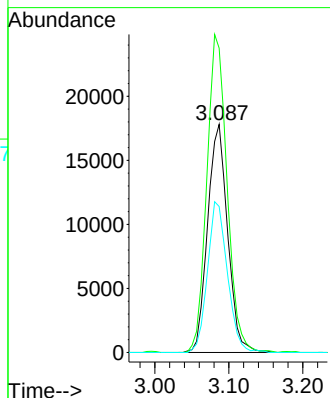
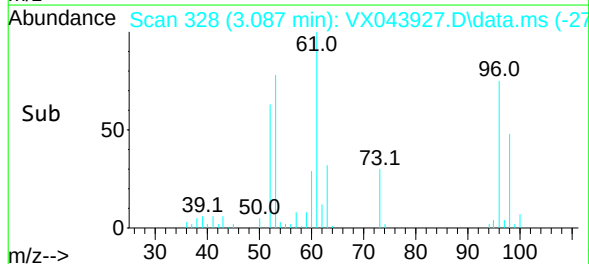
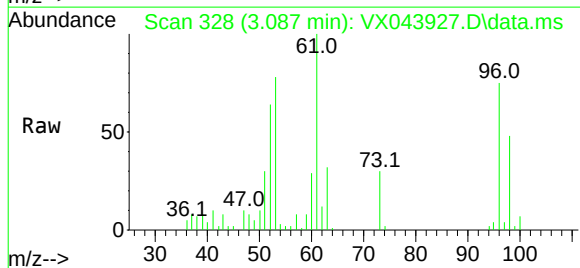
98 64.0 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 23.557 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475

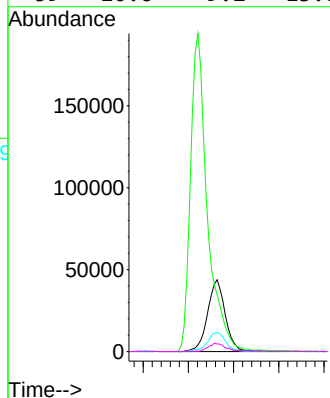
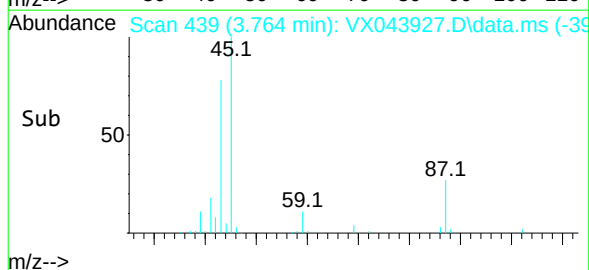
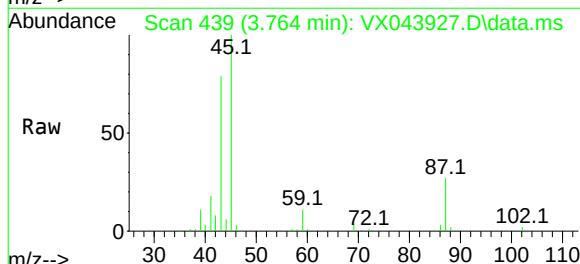
Ion Ratio Lower Upper

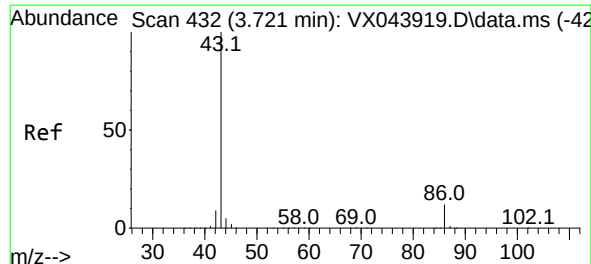
45 100

43 77.4 53.8 80.6

87 26.6 23.4 35.2

59 10.6 9.2 13.8





#23

Vinyl Acetate

Concen: 122.699 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 504408

Ion Ratio Lower Upper

43 100

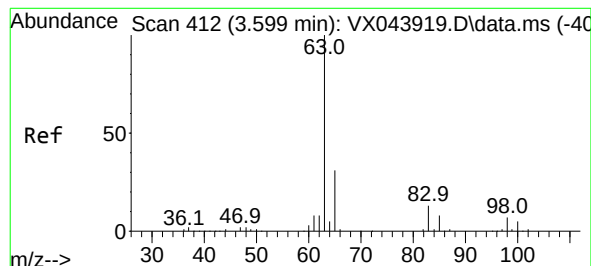
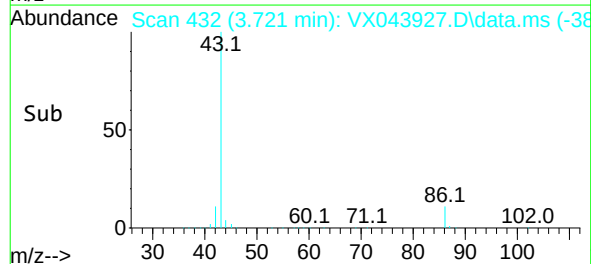
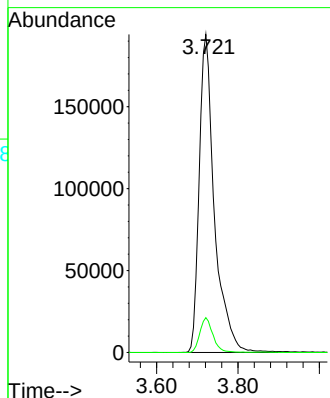
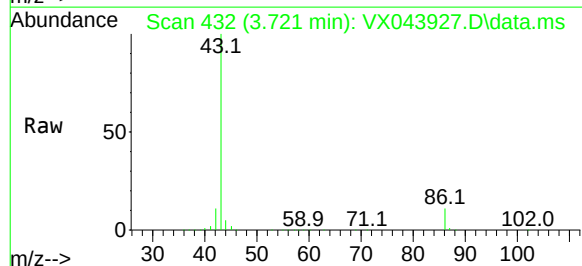
86 11.0 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 22.540 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

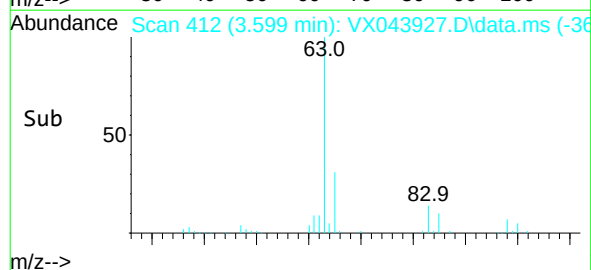
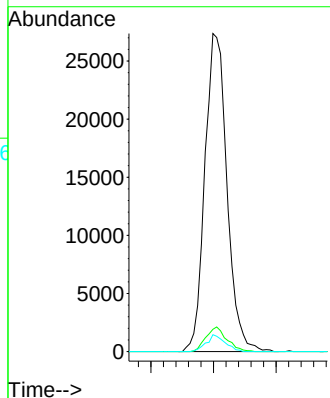
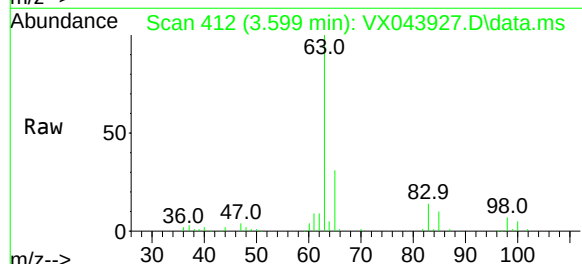
Tgt Ion: 63 Resp: 67233

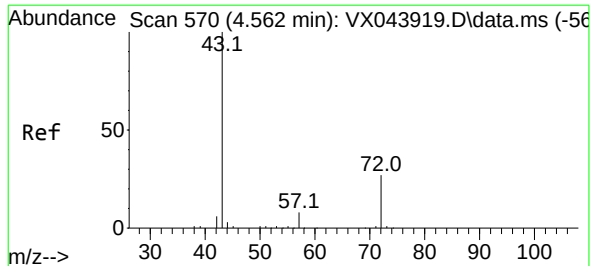
Ion Ratio Lower Upper

63 100

98 7.0 3.7 11.1

100 5.3 2.4 7.2





#25

2-Butanone

Concen: 124.741 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 43 Resp: 148152

Ion Ratio Lower Upper

43 100

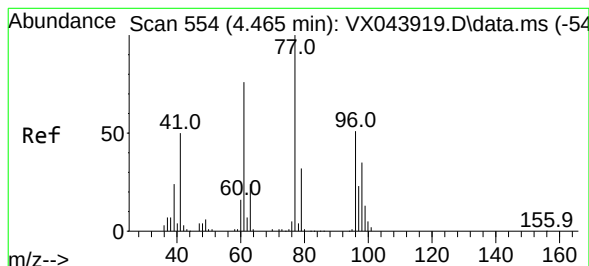
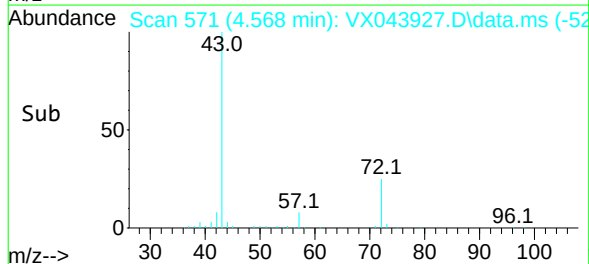
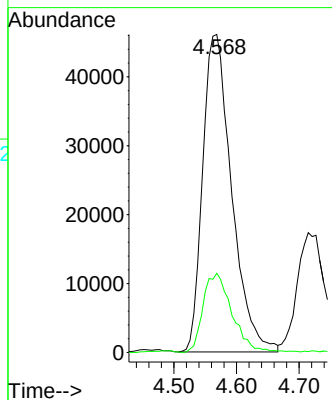
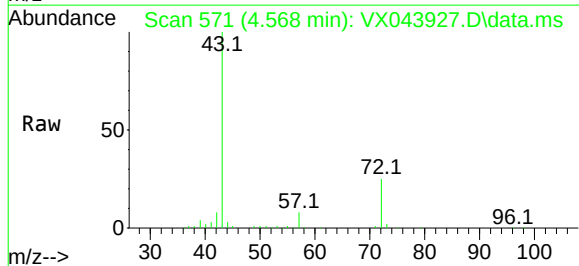
72 24.8 21.3 31.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 23.843 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043927.D

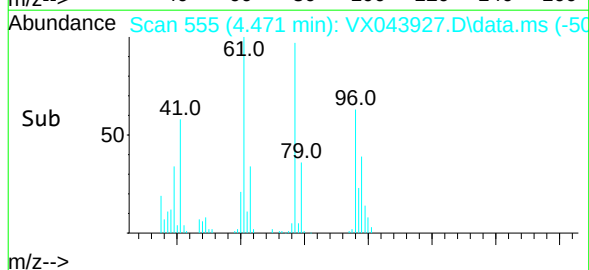
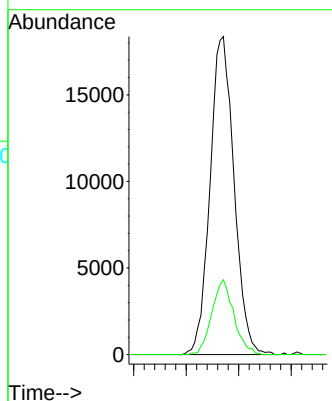
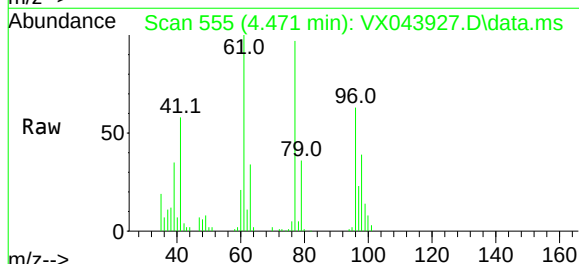
Acq: 21 Nov 2024 10:37

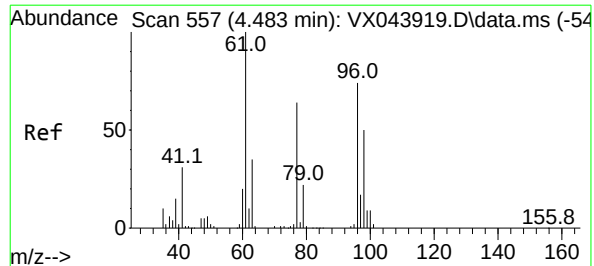
Tgt Ion: 77 Resp: 58444

Ion Ratio Lower Upper

77 100

97 21.5 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 21.551 ug/l

RT: 4.483 min Scan# 557

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 96 Resp: 41866

Ion Ratio Lower Upper

96 100

61 149.9 0.0 279.4

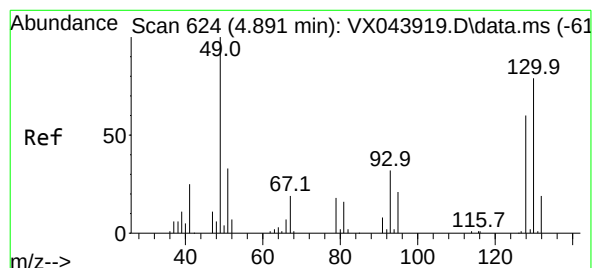
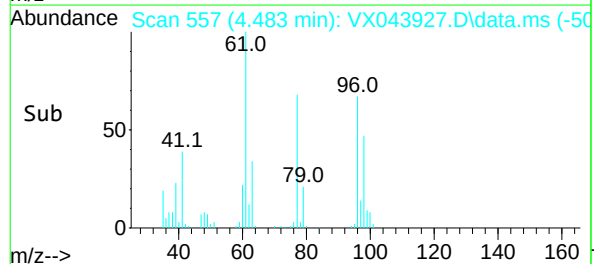
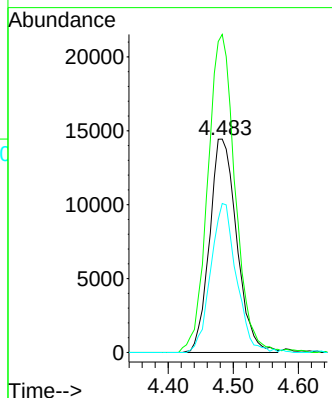
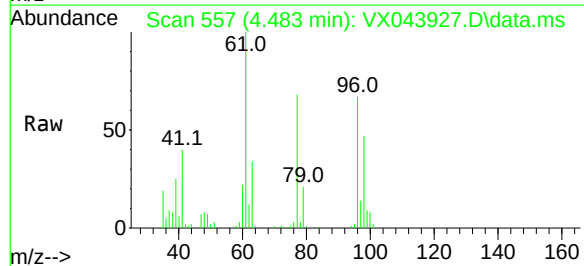
98 66.3 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 21.119 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

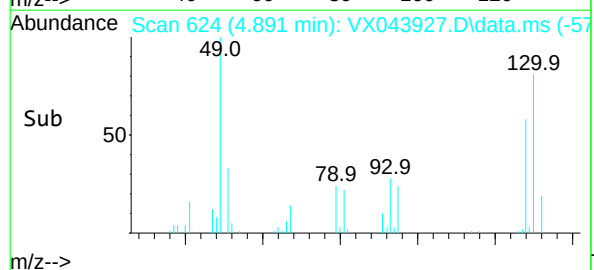
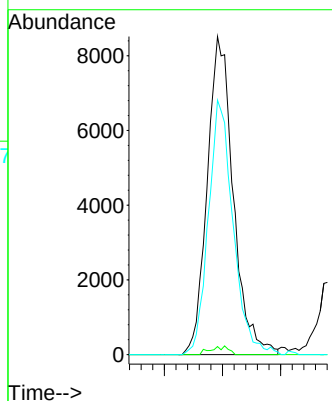
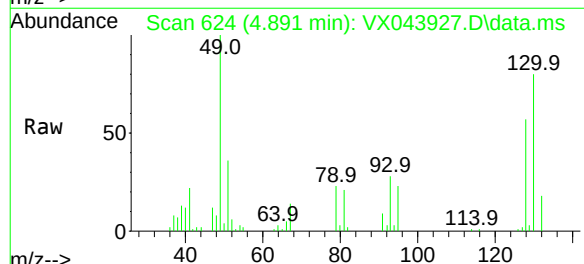
Tgt Ion: 49 Resp: 26507

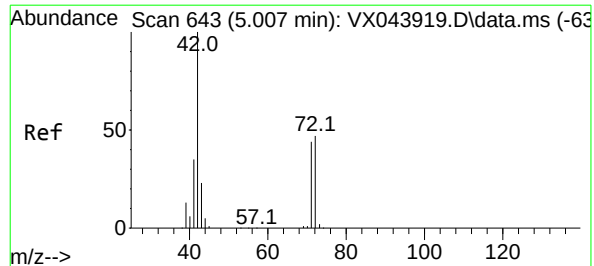
Ion Ratio Lower Upper

49 100

129 1.8 0.0 4.4

130 75.8 68.2 102.2





#29

Tetrahydrofuran

Concen: 114.321 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 42 Resp: 87736

Ion Ratio Lower Upper

42 100

72 45.8 37.9 56.9

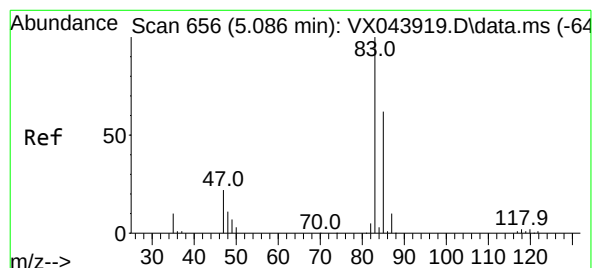
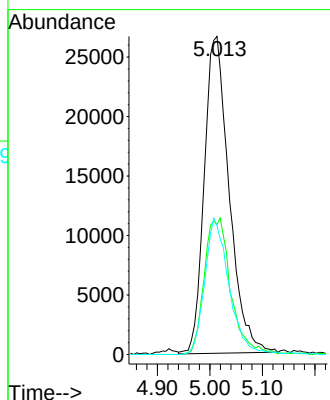
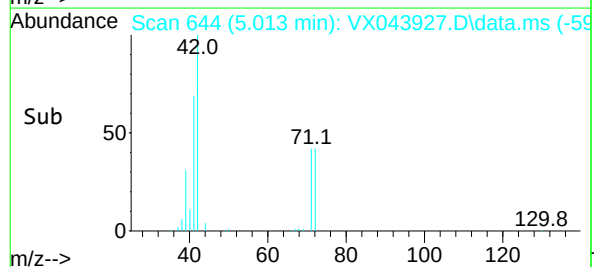
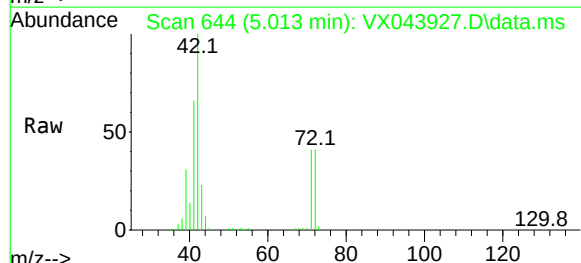
71 42.0 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 23.172 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX043927.D

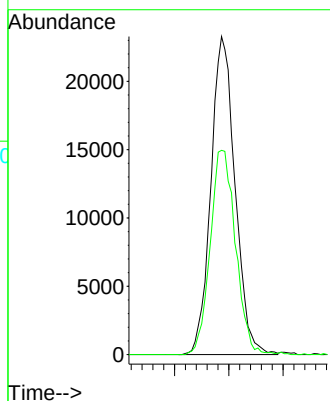
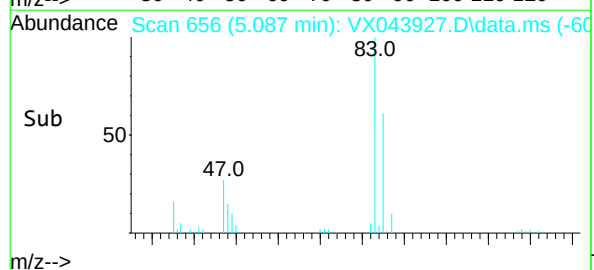
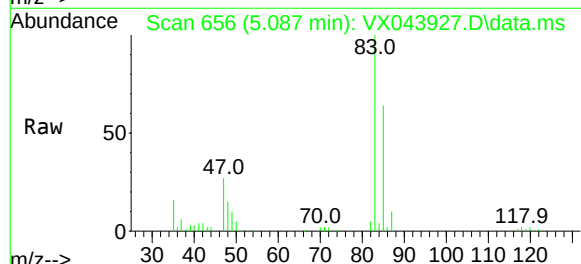
Acq: 21 Nov 2024 10:37

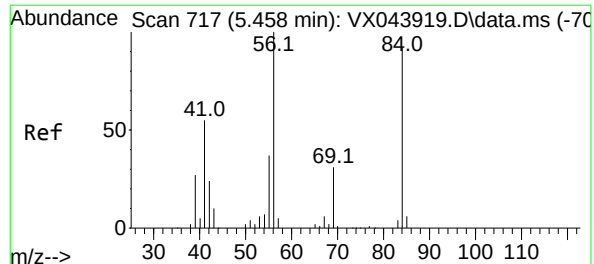
Tgt Ion: 83 Resp: 72049

Ion Ratio Lower Upper

83 100

85 64.2 49.7 74.5





#31

Cyclohexane

Concen: 22.225 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 56 Resp: 53731

Ion Ratio Lower Upper

56 100

69 28.4 24.9 37.3

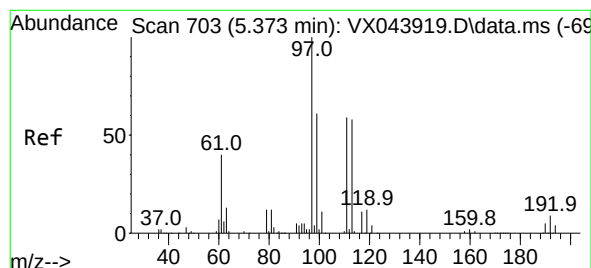
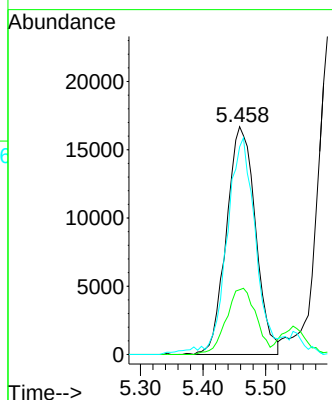
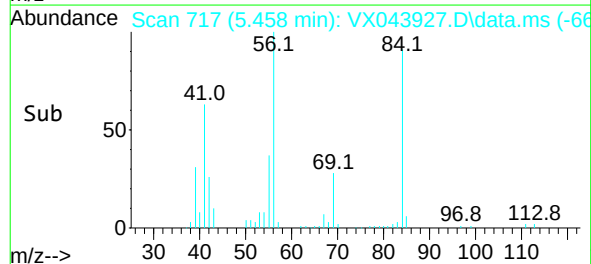
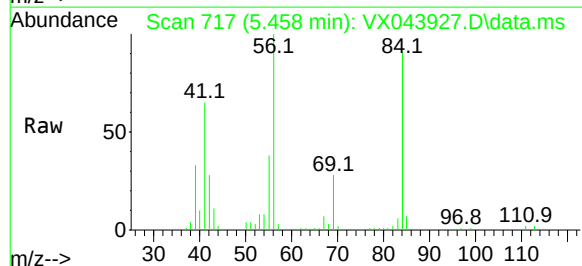
84 89.6 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 23.474 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

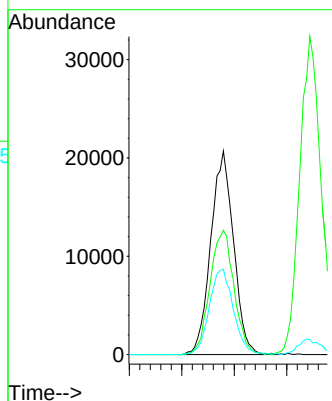
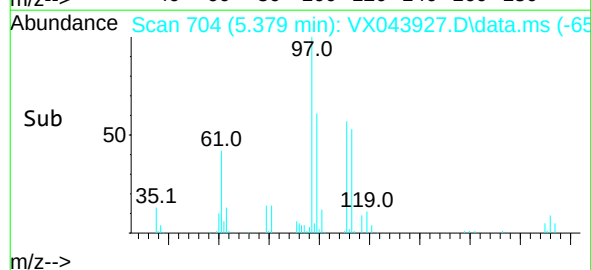
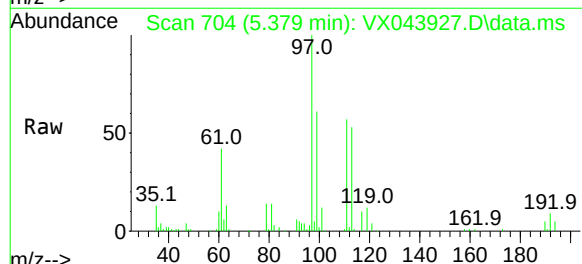
Tgt Ion: 97 Resp: 62394

Ion Ratio Lower Upper

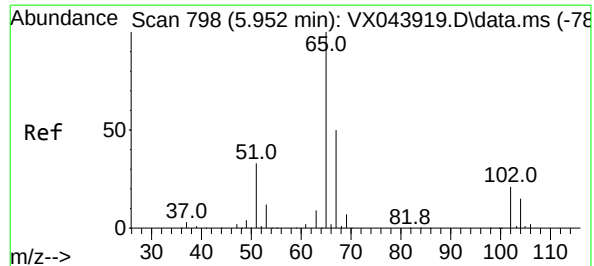
97 100

99 64.5 51.2 76.8

61 44.1 32.9 49.3







#33

1,2-Dichloroethane-d4

Concen: 22.821 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 65 Resp: 48239

Ion Ratio Lower Upper

65 100

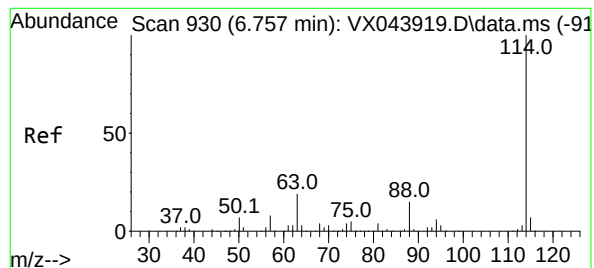
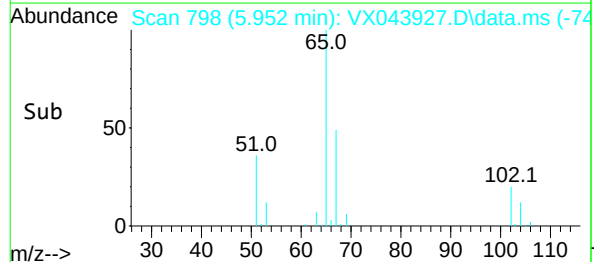
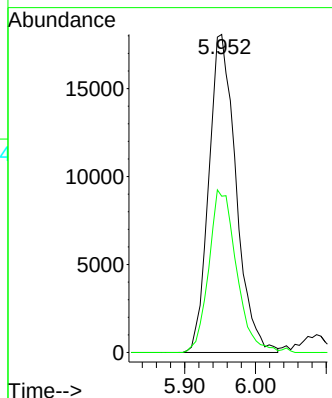
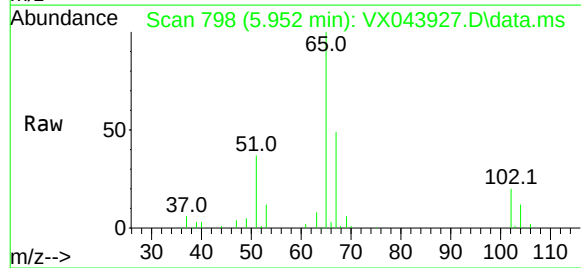
67 51.9 0.0 103.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

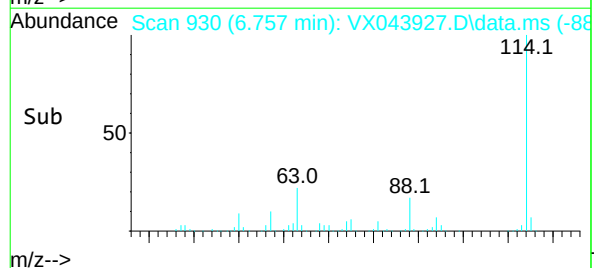
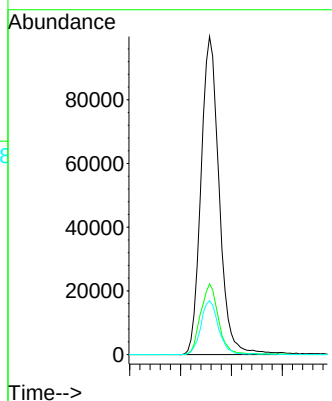
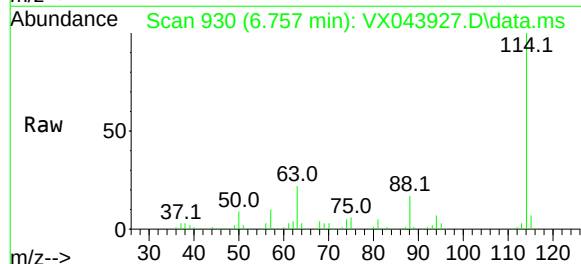
Tgt Ion:114 Resp: 247844

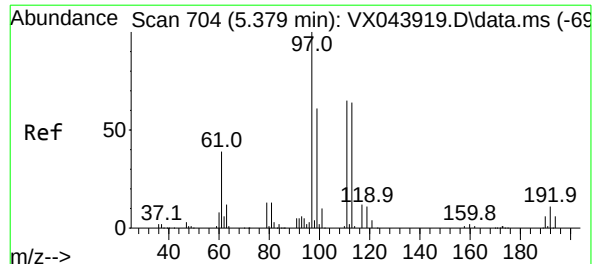
Ion Ratio Lower Upper

114 100

63 22.2 0.0 39.0

88 16.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 21.040 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

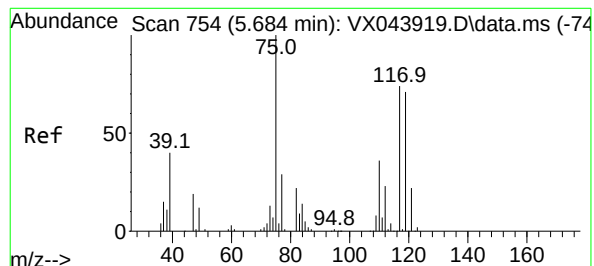
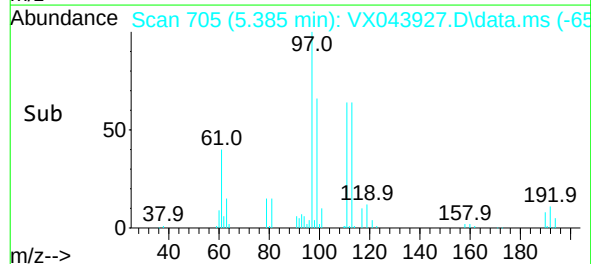
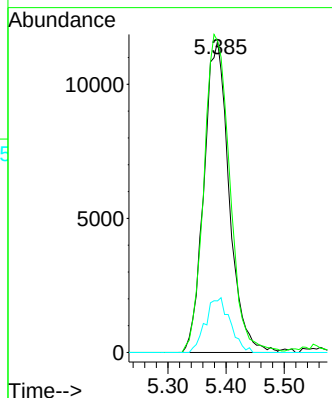
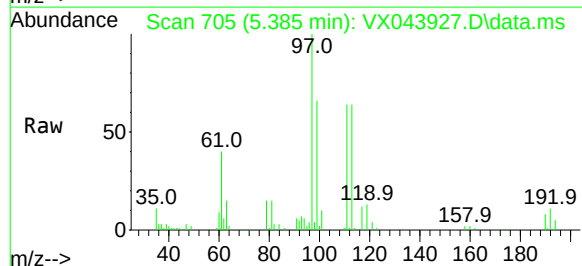
VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 35015 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 105.0 | 81.0  | 121.6 |
| 192      | 17.1  | 14.2  | 21.2  |

## Manual Integrations

APPROVED

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



#36

1,1-Dichloropropene

Concen: 21.438 ug/l

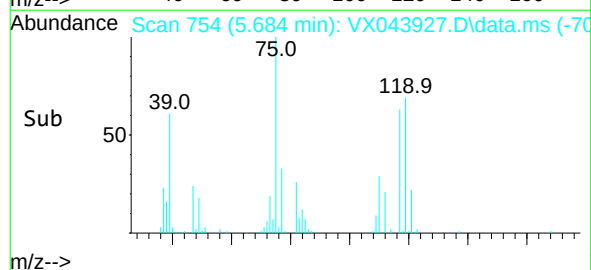
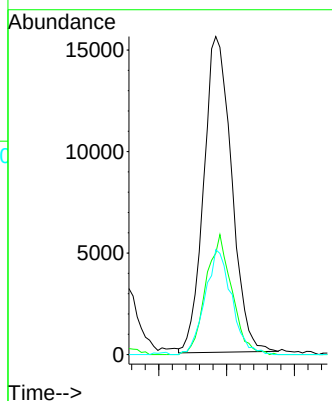
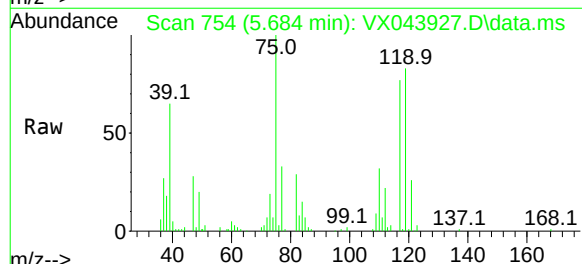
RT: 5.684 min Scan# 754

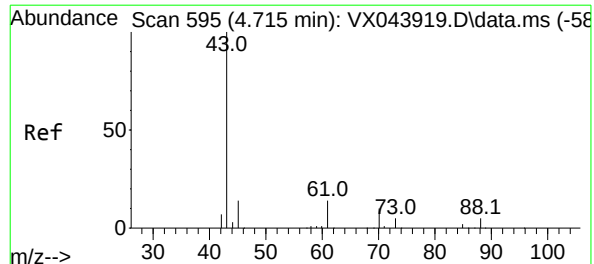
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 44465 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 35.4  | 17.5  | 52.5  |
| 77       | 31.8  | 24.9  | 37.3  |





#37

Ethyl Acetate

Concen: 23.316 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

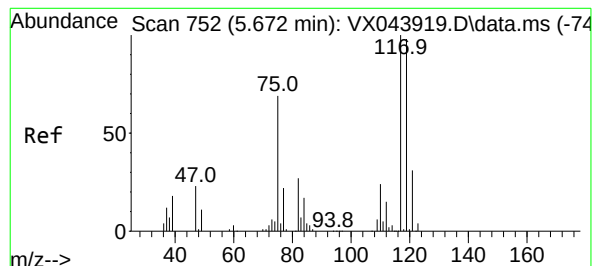
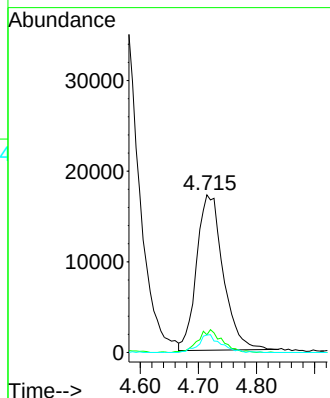
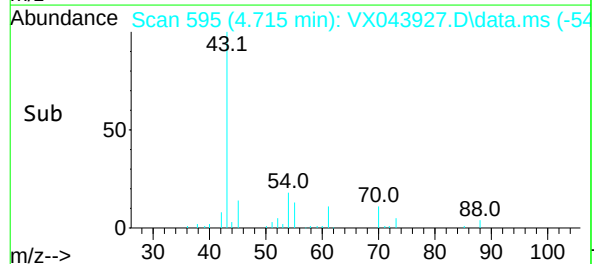
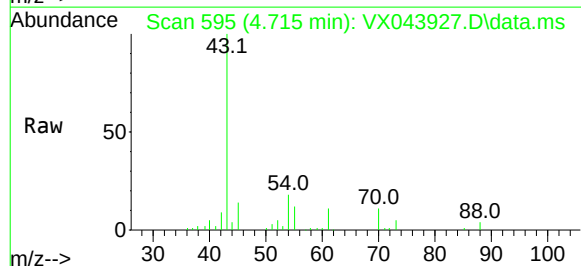
ClientSampleId :

VSTDICC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 54426 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 13.4  | 11.5  | 17.3  |
| 70       | 9.5   | 8.7   | 13.1  |

Manual Integrations  
APPROVED

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



#38

Carbon Tetrachloride

Concen: 22.179 ug/l

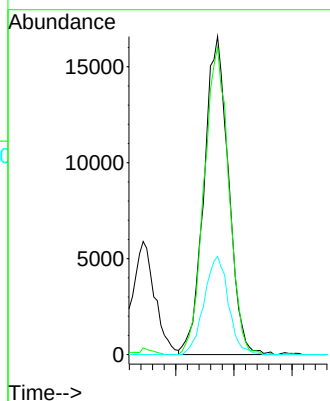
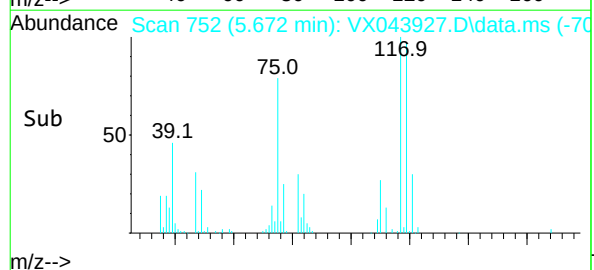
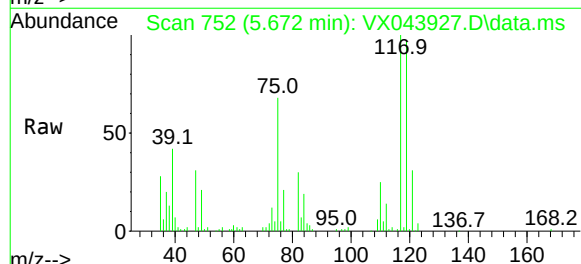
RT: 5.672 min Scan# 752

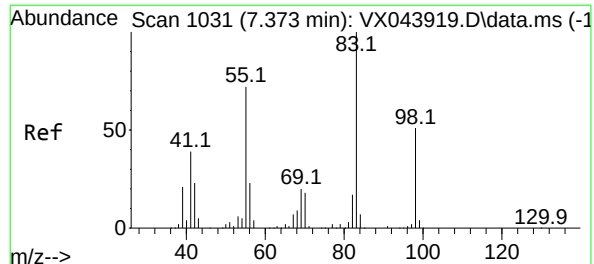
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 48701 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 96.6  | 78.3  | 117.5 |
| 121      | 30.8  | 25.1  | 37.7  |





#39

Methylcyclohexane

Concen: 21.551 ug/l

RT: 7.379 min Scan# 10

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 55958

Ion Ratio Lower Upper

83 100

55 72.7 57.9 86.9

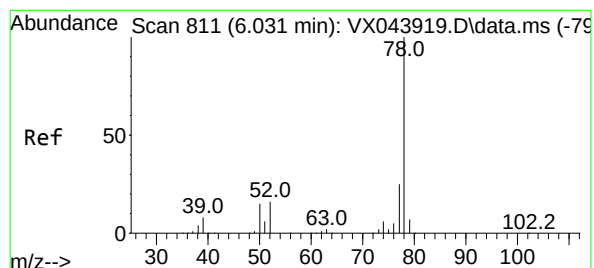
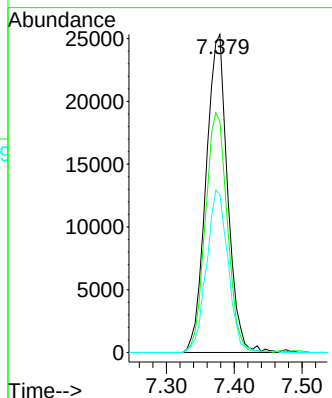
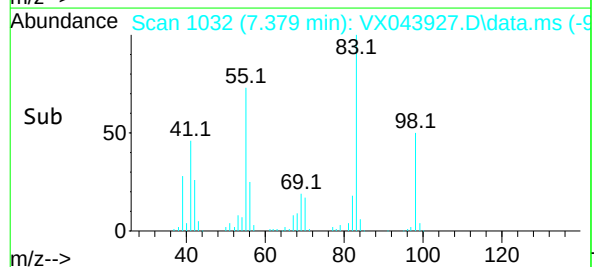
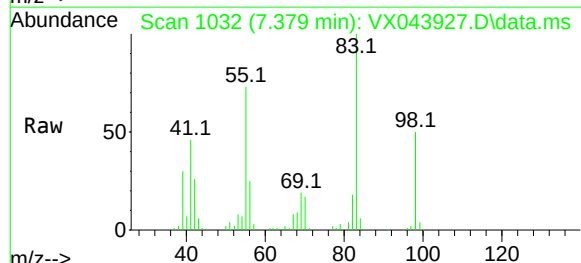
98 49.5 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 22.144 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX043927.D

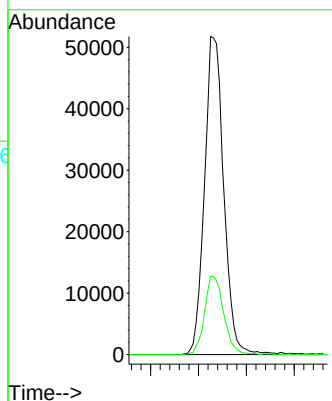
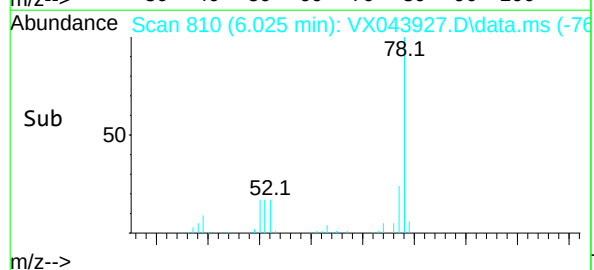
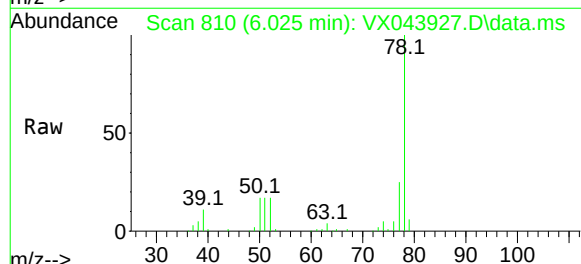
Acq: 21 Nov 2024 10:37

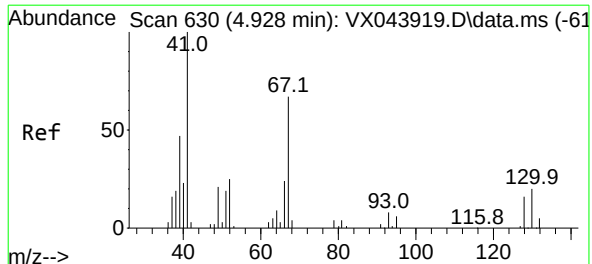
Tgt Ion: 78 Resp: 144401

Ion Ratio Lower Upper

78 100

77 24.7 19.8 29.8





#41

Methacrylonitrile

Concen: 23.789 ug/l

RT: 4.922 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 41 Resp: 28938

Ion Ratio Lower Upper

41 100

39 55.1 41.2 61.8

67 72.7 60.3 90.5

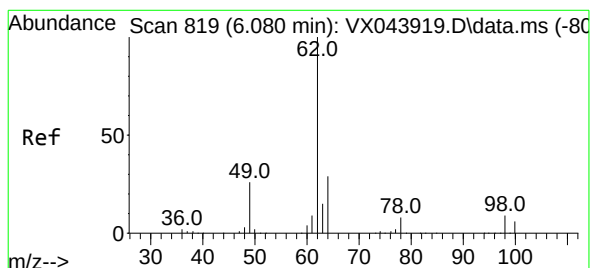
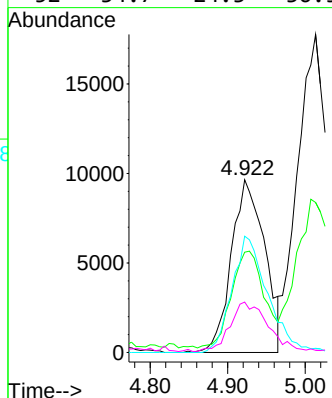
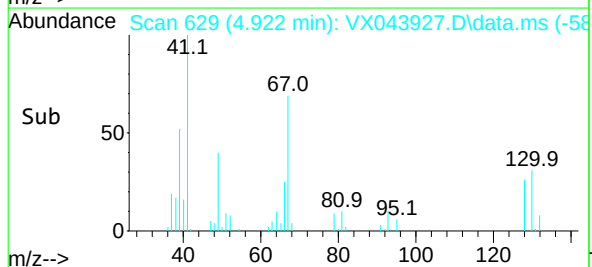
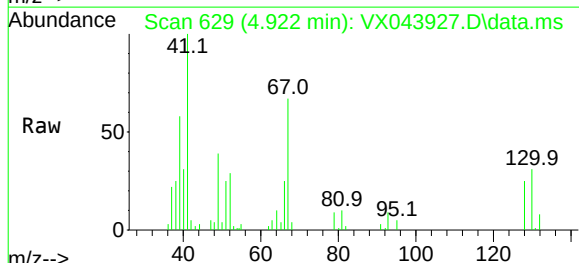
52 34.7 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 24.487 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX043927.D

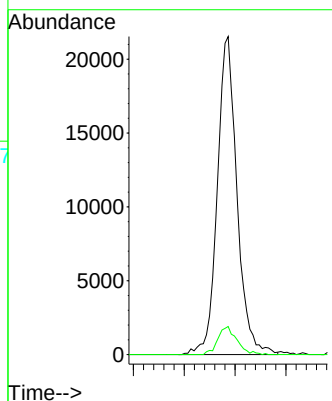
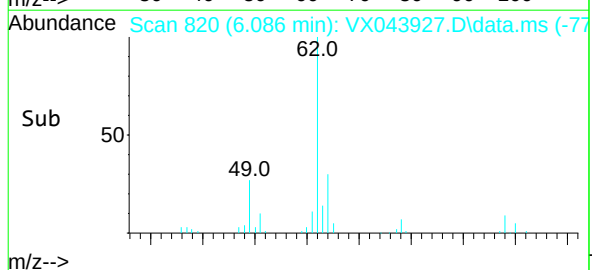
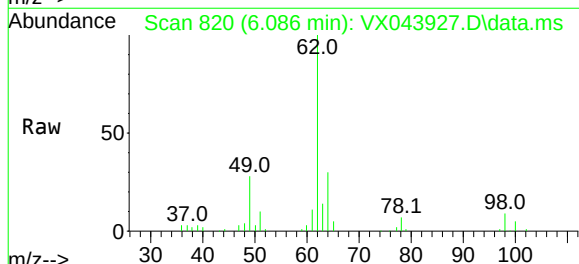
Acq: 21 Nov 2024 10:37

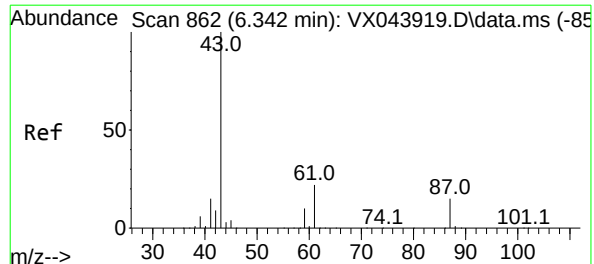
Tgt Ion: 62 Resp: 57981

Ion Ratio Lower Upper

62 100

98 8.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 24.054 ug/l

RT: 6.349 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

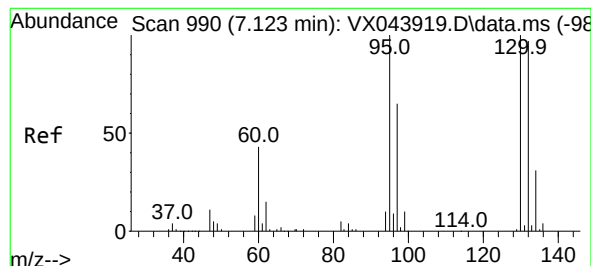
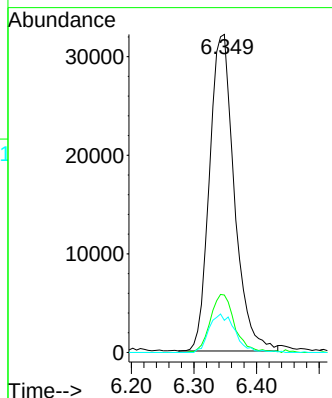
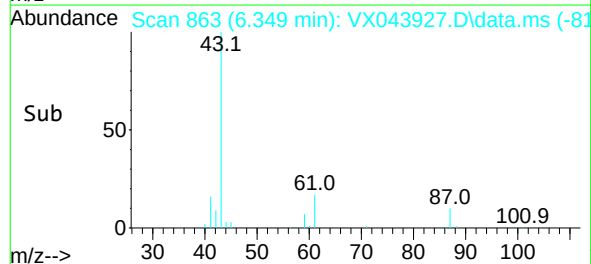
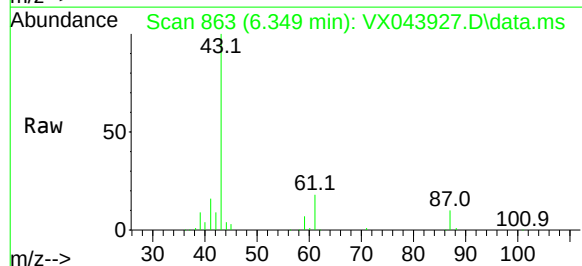
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 88577 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 17.9  | 16.9  | 25.3  |
| 87       | 12.6  | 11.9  | 17.9  |

Manual Integrations  
APPROVED

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



#44

Trichloroethene

Concen: 20.270 ug/l

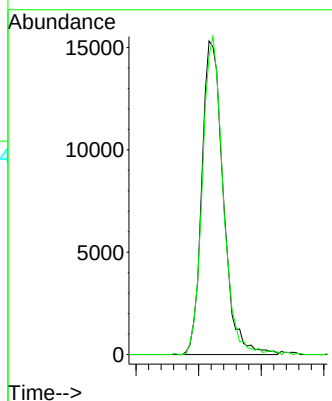
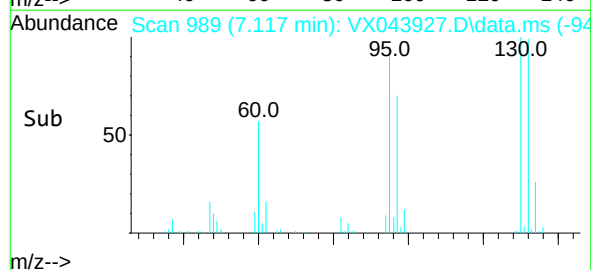
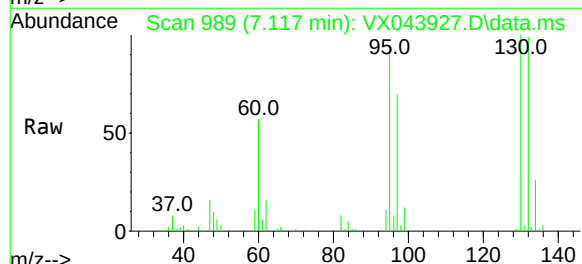
RT: 7.117 min Scan# 989

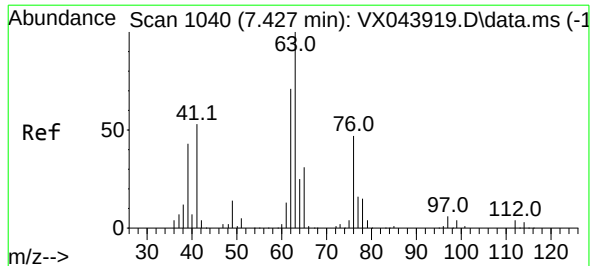
Delta R.T. -0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 36440 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 95.2  | 0.0   | 200.8 |





#45

1,2-Dichloropropane

Concen: 22.394 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 63 Resp: 35791

Ion Ratio Lower Upper

63 100

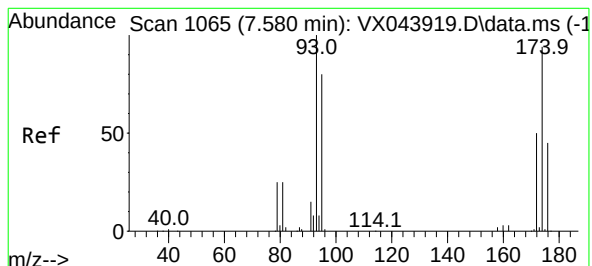
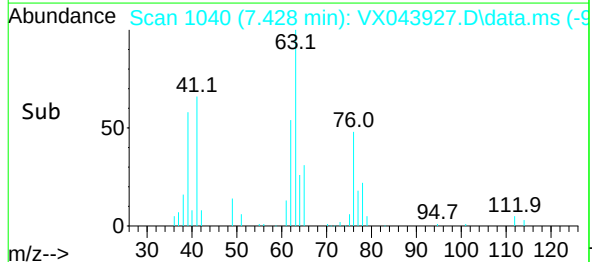
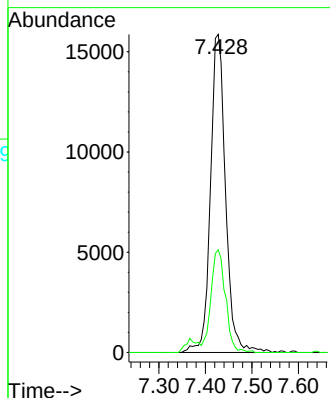
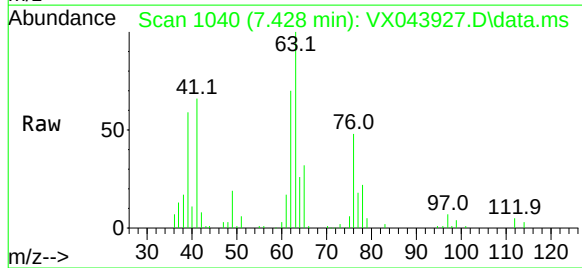
65 32.2 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 23.082 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

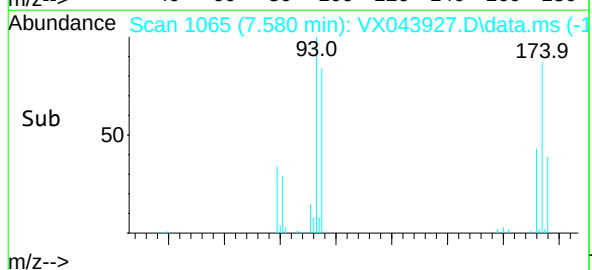
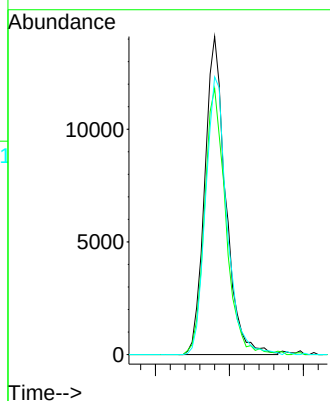
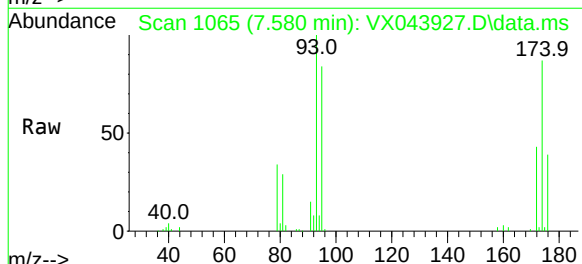
Tgt Ion: 93 Resp: 27799

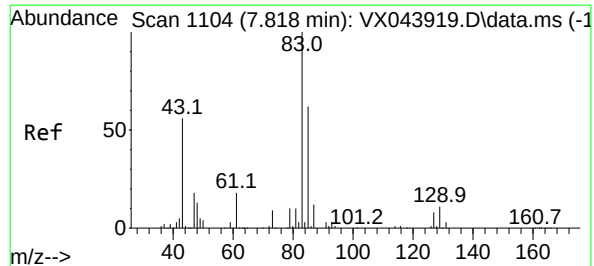
Ion Ratio Lower Upper

93 100

95 84.4 66.1 99.1

174 89.0 75.2 112.8





#47

Bromodichloromethane

Concen: 23.471 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 83 Resp: 49665

Ion Ratio Lower Upper

83 100

85 66.3 49.4 74.0

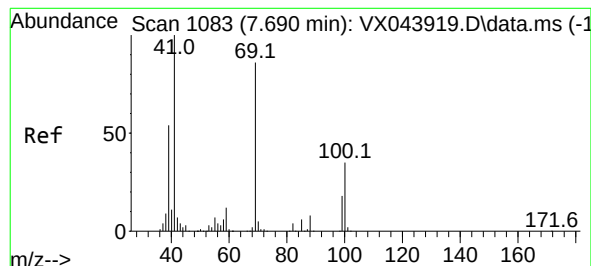
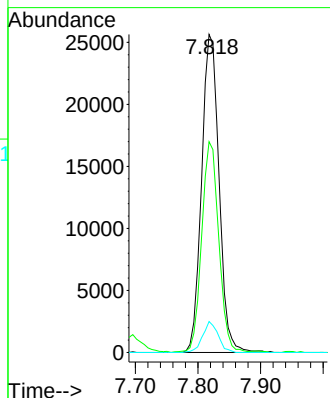
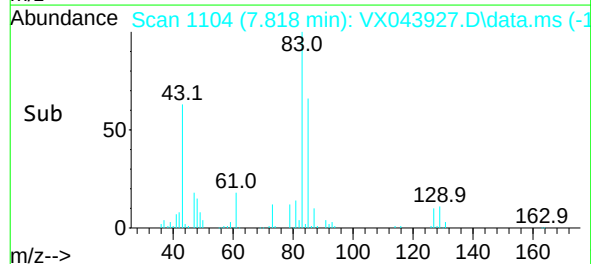
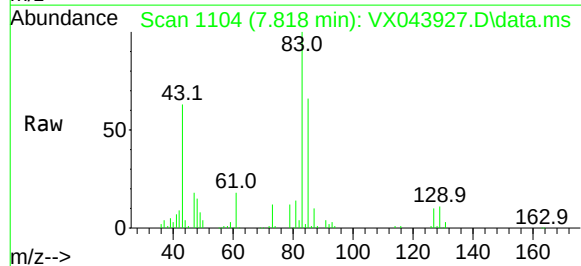
127 9.7 6.2 9.4#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 22.991 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

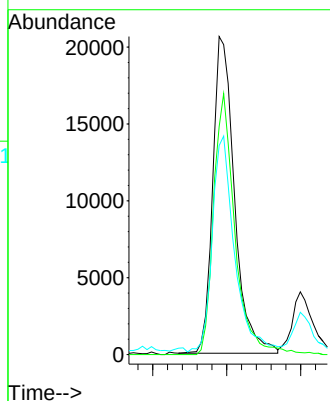
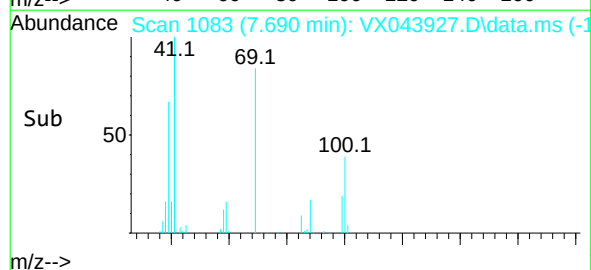
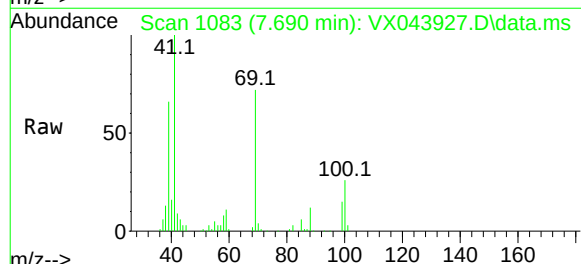
Tgt Ion: 41 Resp: 41962

Ion Ratio Lower Upper

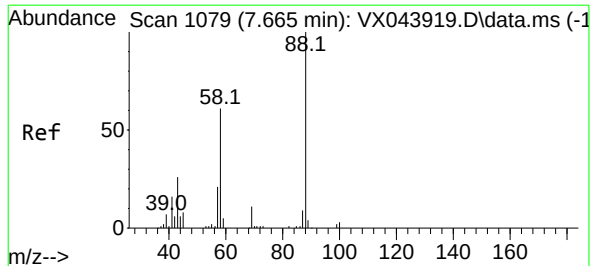
41 100

69 81.5 72.1 108.1

39 69.6 43.8 65.8#







#49

1,4-Dioxane

Concen: 310.503 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

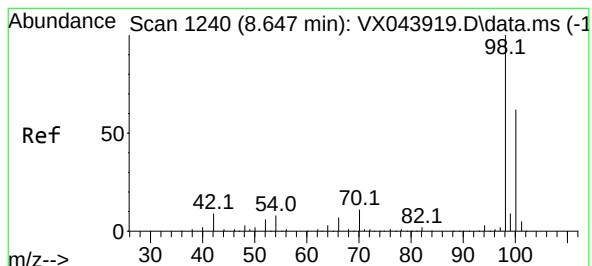
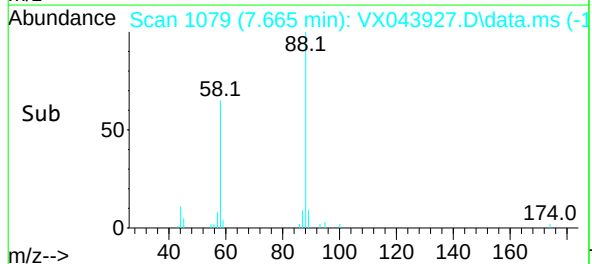
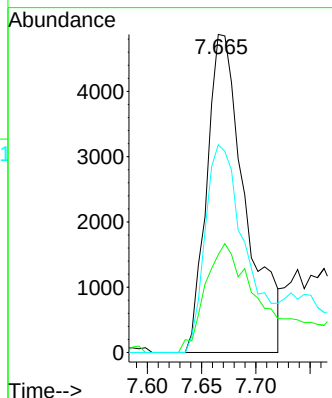
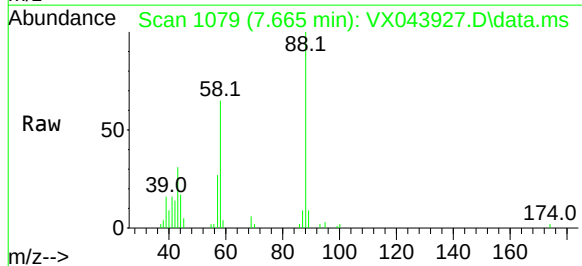
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 88    | Resp: | 12071 |
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 52.5  | 17.4  | 26.0  |
| 58       | 69.7  | 41.0  | 61.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 22.060 ug/l

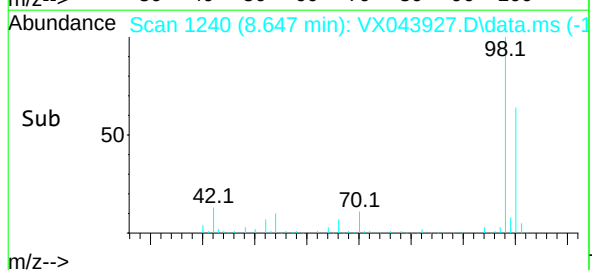
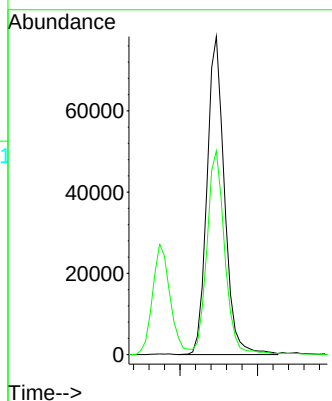
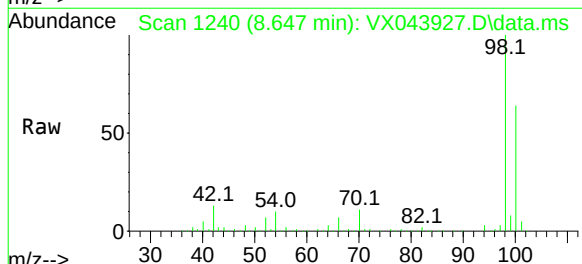
RT: 8.647 min Scan# 1240

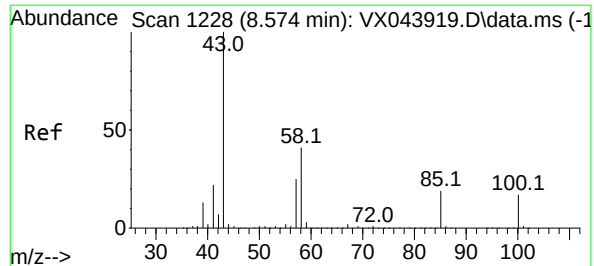
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 122646 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 63.8  | 53.0  | 79.6   |





#51

4-Methyl-2-Pentanone

Concen: 121.285 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 43 Resp: 278479

Ion Ratio Lower Upper

43 100

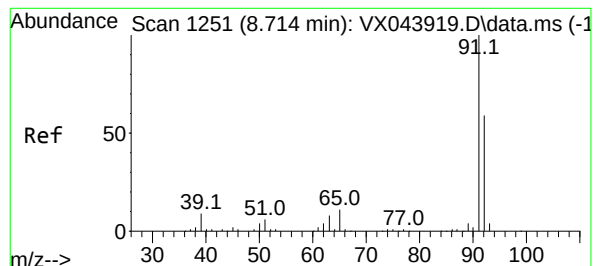
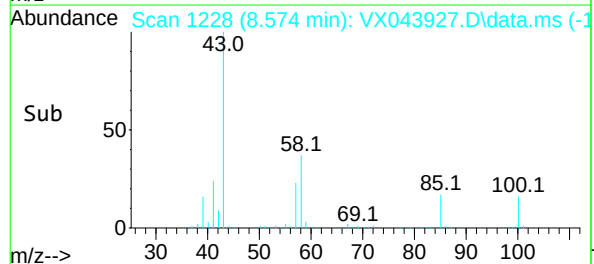
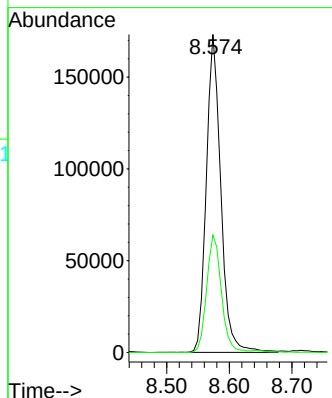
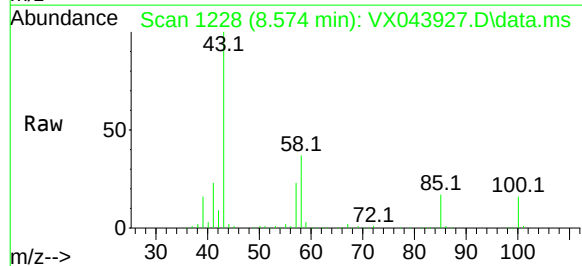
58 37.6 32.4 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 23.277 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043927.D

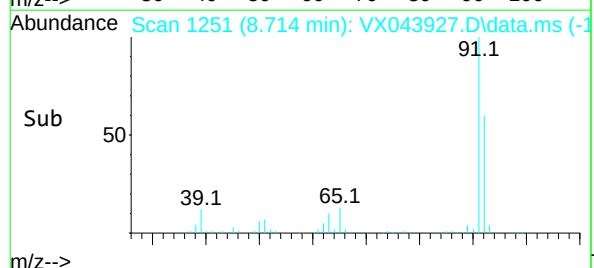
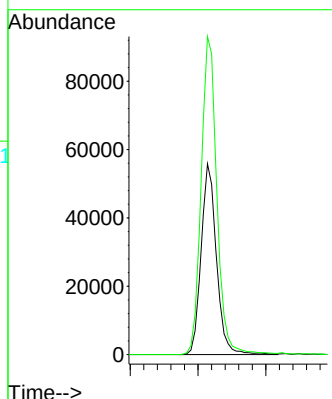
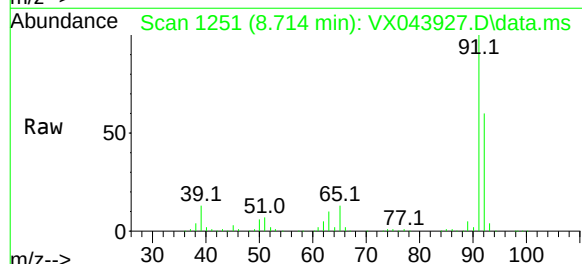
Acq: 21 Nov 2024 10:37

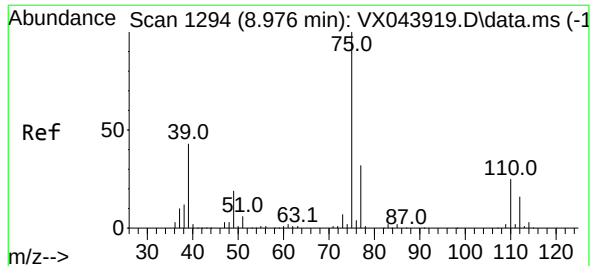
Tgt Ion: 92 Resp: 87569

Ion Ratio Lower Upper

92 100

91 171.0 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 23.425 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 75 Resp: 50294

Ion Ratio Lower Upper

75 100

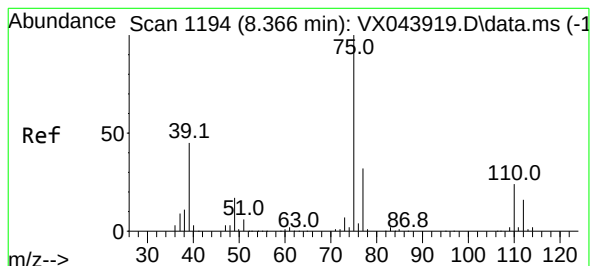
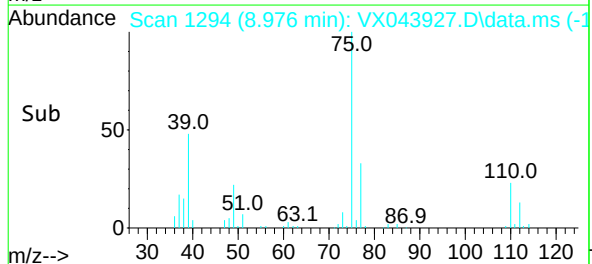
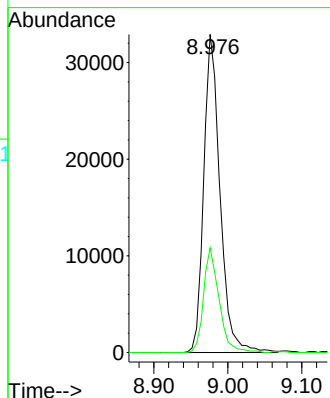
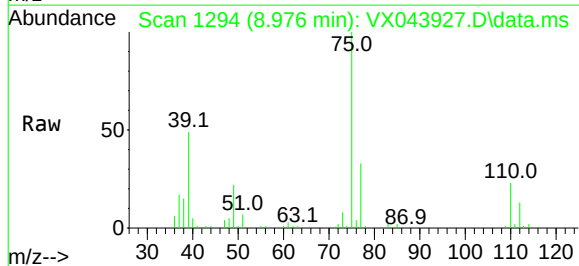
77 32.9 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 23.184 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

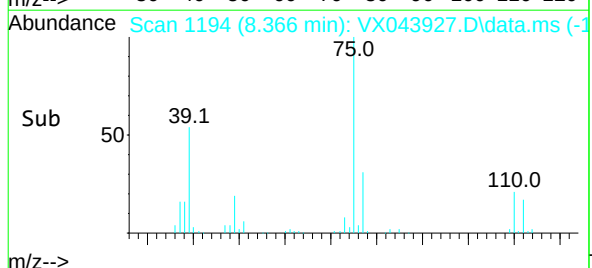
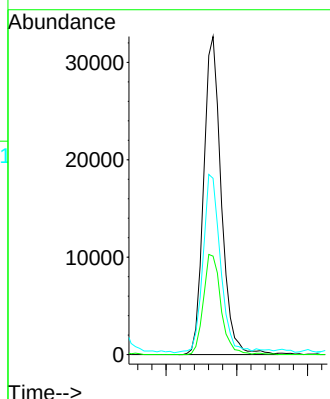
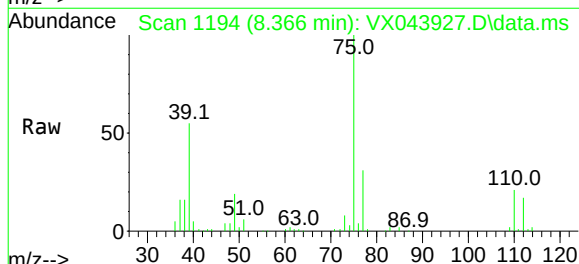
Tgt Ion: 75 Resp: 56407

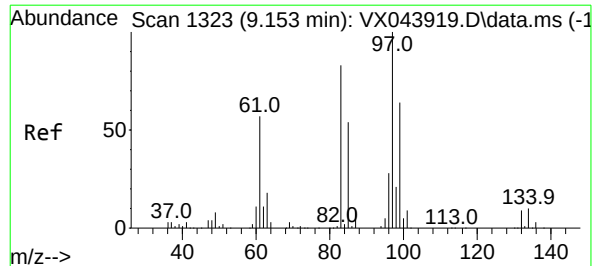
Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2

39 54.6 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 25.308 ug/l

RT: 9.153 min Scan# 13

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 97 Resp: 37148

Ion Ratio Lower Upper

97 100

83 81.0 66.5 99.7

85 52.7 43.4 65.2

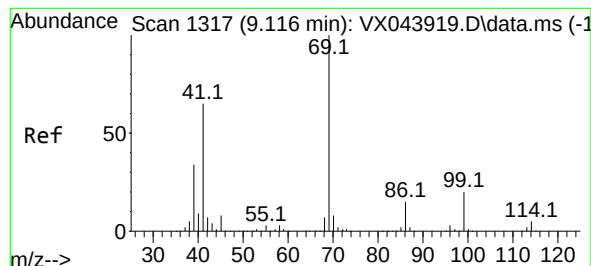
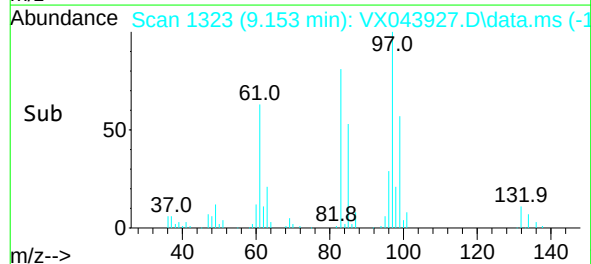
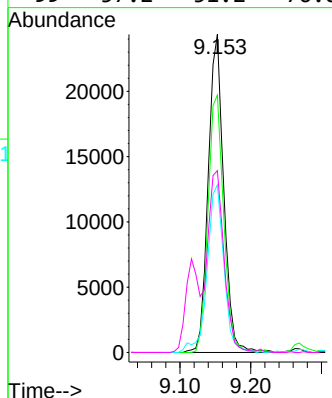
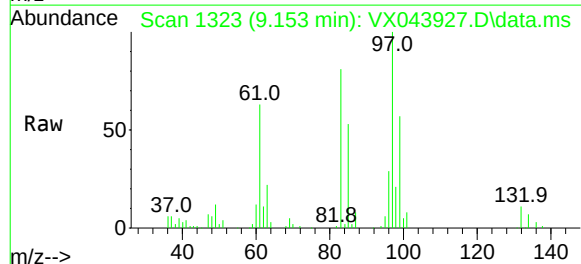
99 57.2 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 24.347 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

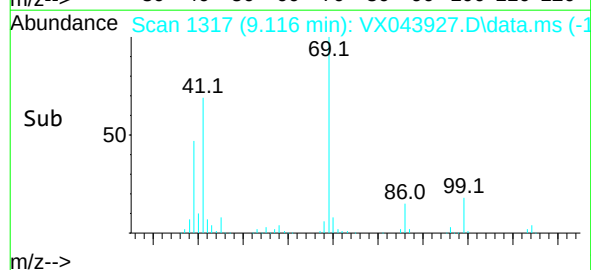
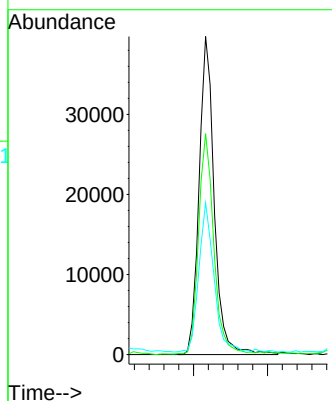
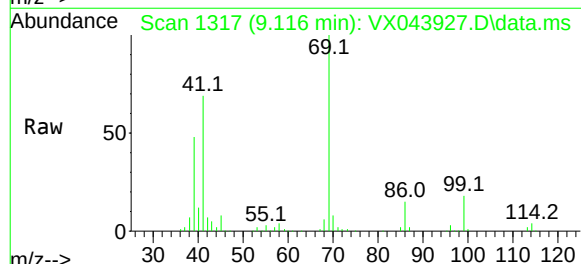
Tgt Ion: 69 Resp: 56585

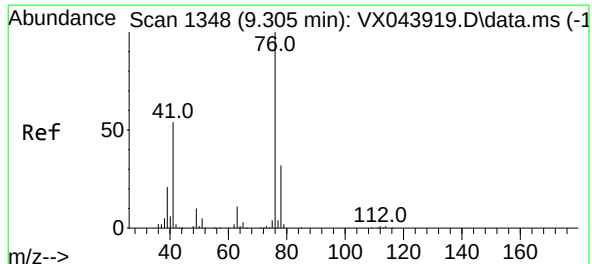
Ion Ratio Lower Upper

69 100

41 70.0 51.7 77.5

39 46.7 26.8 40.2#





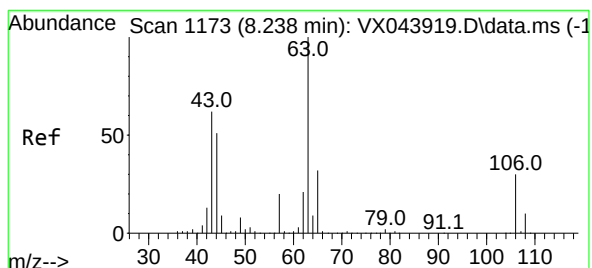
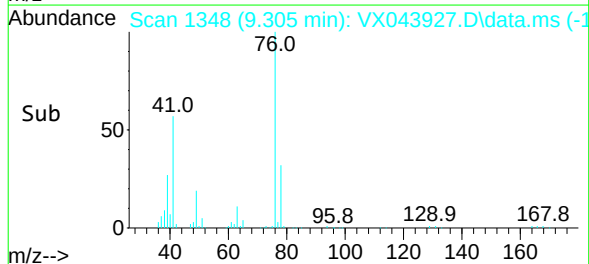
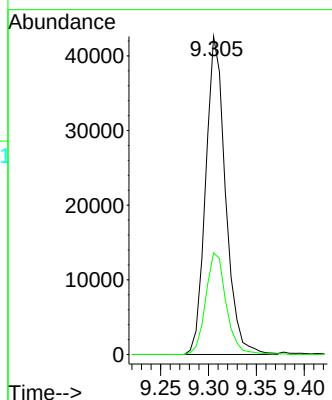
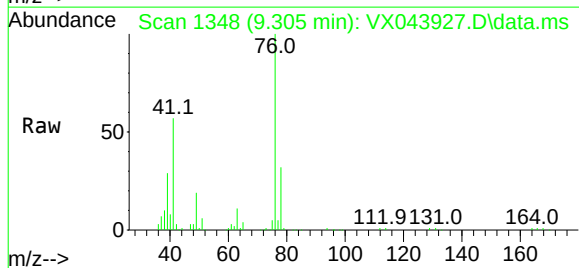
#57  
1,3-Dichloropropane  
Concen: 24.976 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 76 Resp: 61420  
Ion Ratio Lower Upper  
76 100  
78 33.0 25.9 38.9

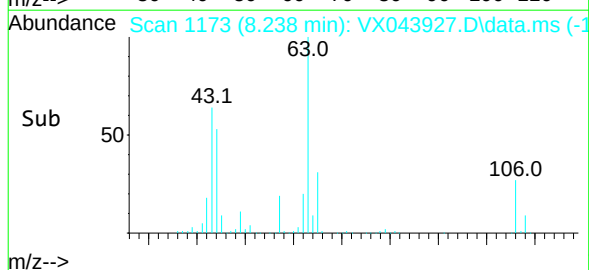
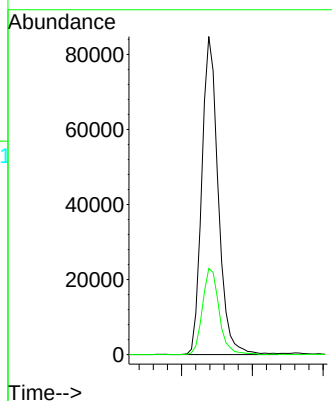
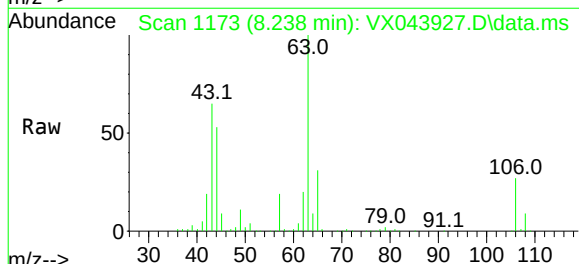
Manual Integrations  
APPROVED

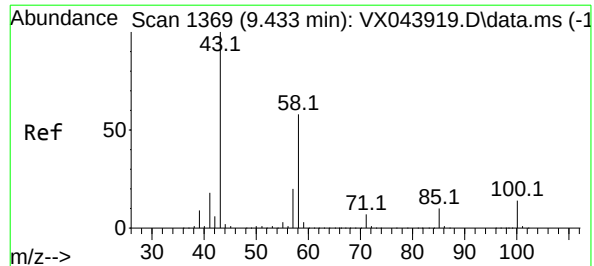
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#58  
2-Chloroethyl Vinyl ether  
Concen: 112.277 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842  
Ion Ratio Lower Upper  
63 100  
106 27.4 23.8 35.6





#59

2-Hexanone

Concen: 131.869 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.000 min

Lab File: VX043927.D

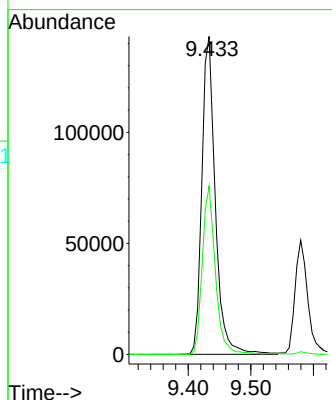
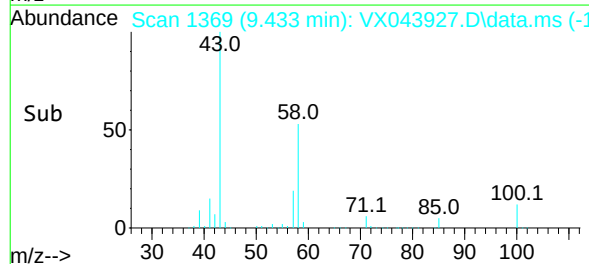
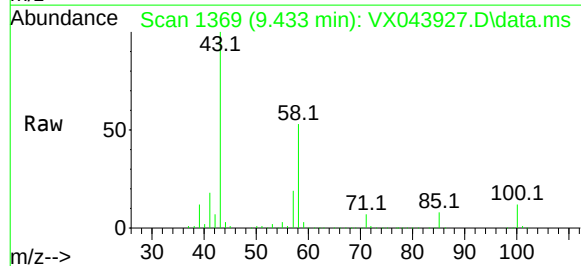
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 213629

Ion Ratio Lower Upper

43 100

58 51.6 28.3 84.9



Instrument :

MSVOA\_X

ClientSampleId :

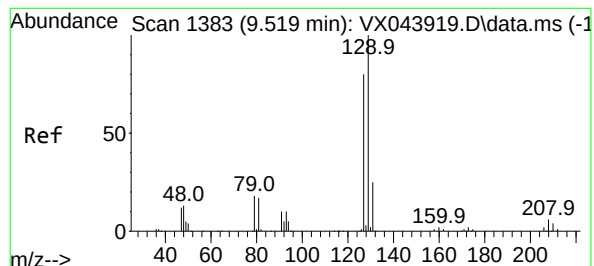
VSTDICC020

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 23.864 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043927.D

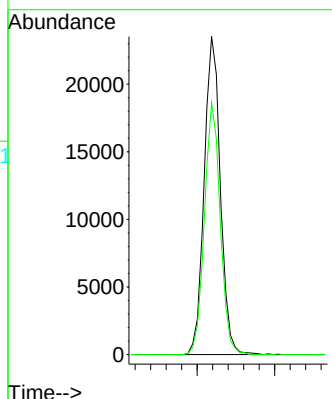
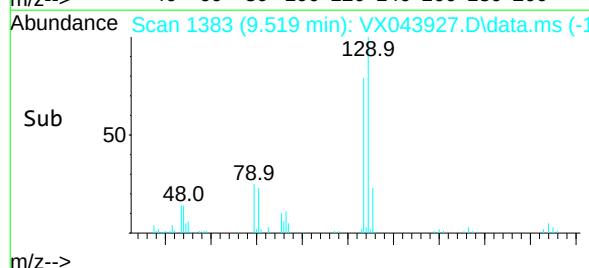
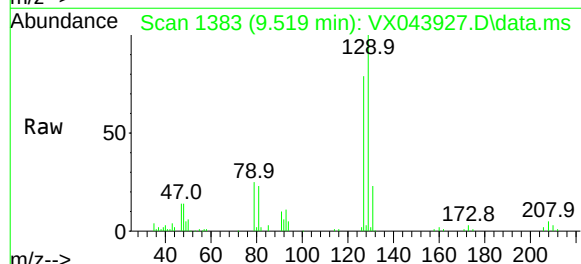
Acq: 21 Nov 2024 10:37

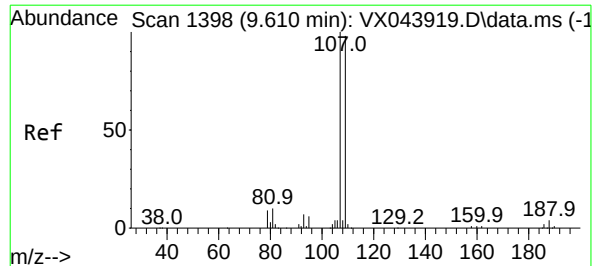
Tgt Ion:129 Resp: 34133

Ion Ratio Lower Upper

129 100

127 77.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 24.156 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion:107 Resp: 36985

Ion Ratio Lower Upper

107 100

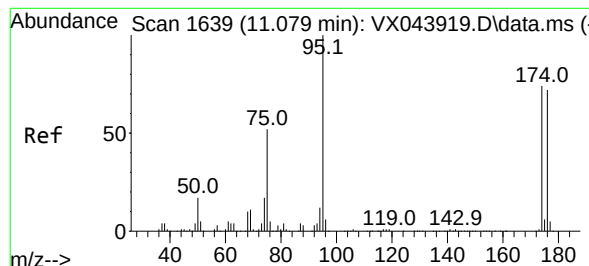
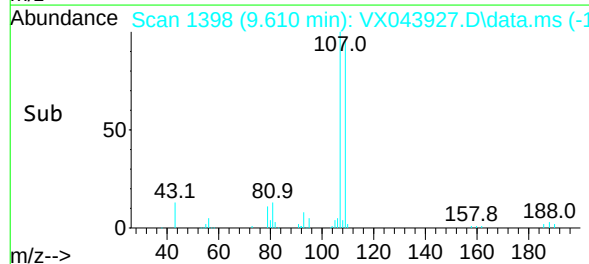
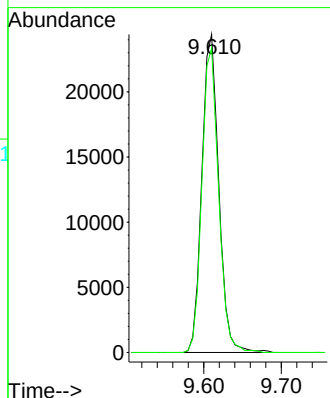
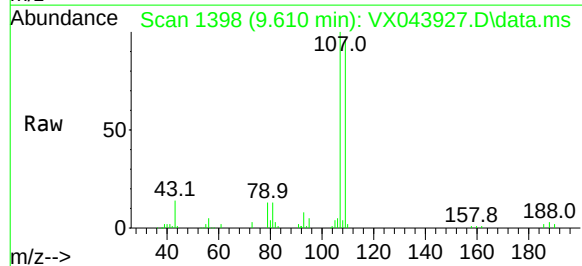
109 94.7 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 22.365 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

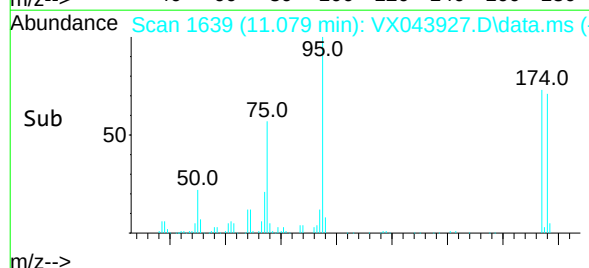
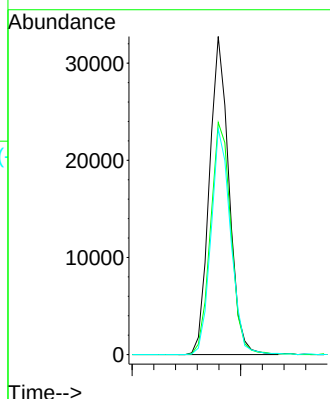
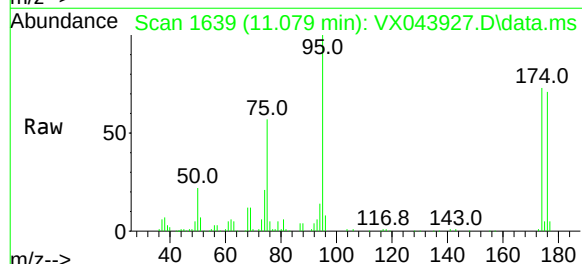
Tgt Ion: 95 Resp: 41087

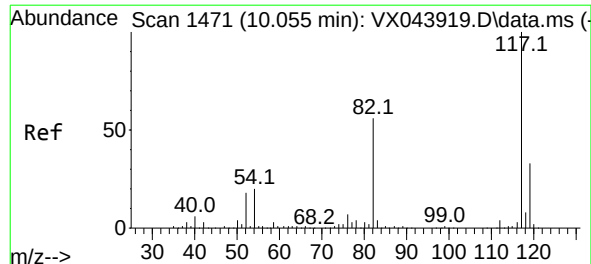
Ion Ratio Lower Upper

95 100

174 76.2 0.0 152.2

176 71.1 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

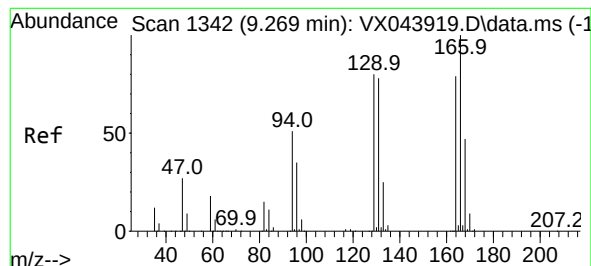
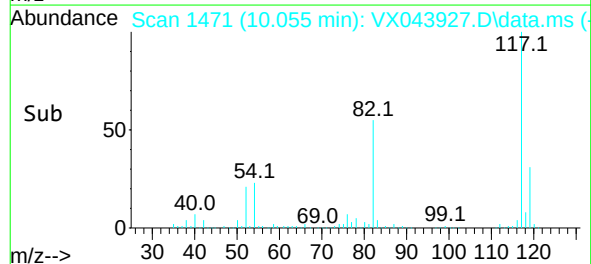
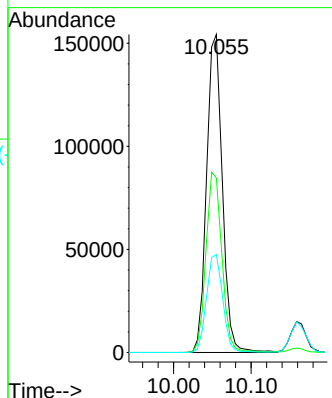
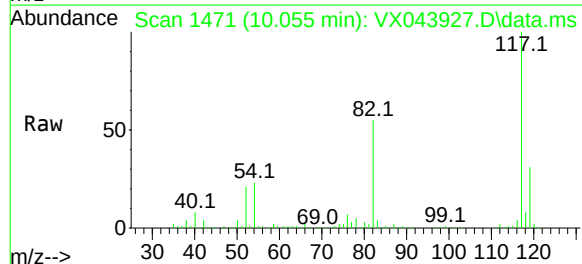
ClientSampleId :

VSTDICC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 217871 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.9  | 44.6  | 67.0   |
| 119      | 30.8  | 26.5  | 39.7   |

Manual Integrations  
APPROVED

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



#64

Tetrachloroethene

Concen: 20.948 ug/l

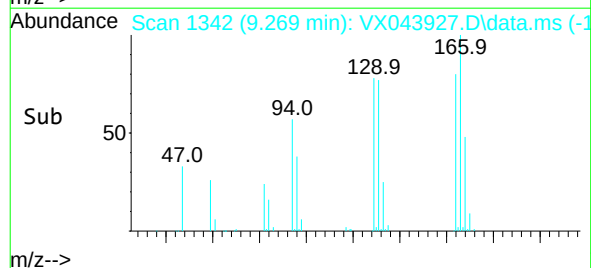
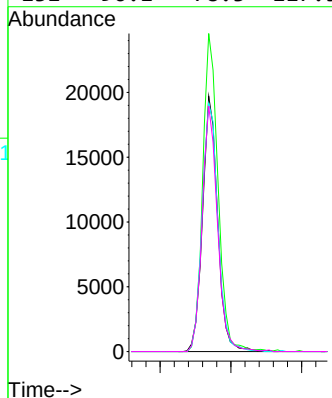
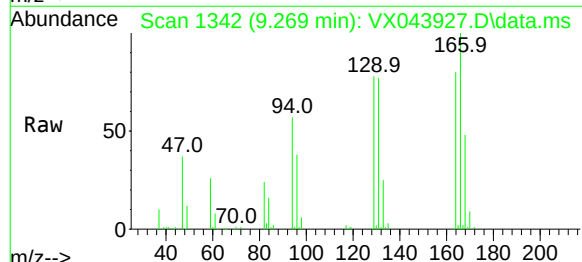
RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

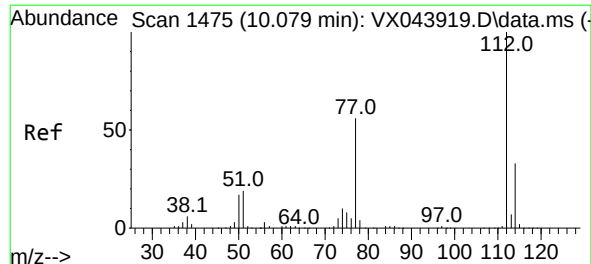
Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 29274 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 124.6 | 100.9 | 151.3 |
| 129      | 97.2  | 80.3  | 120.5 |
| 131      | 96.1  | 78.3  | 117.5 |







#65

Chlorobenzene

Concen: 21.197 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion:112 Resp: 96469

Ion Ratio Lower Upper

112 100

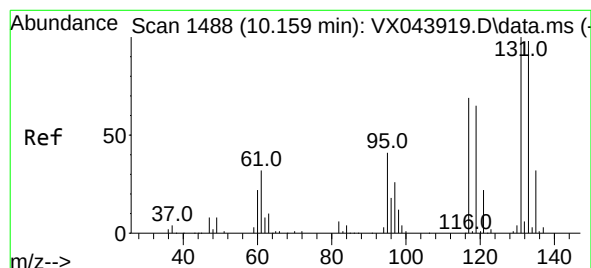
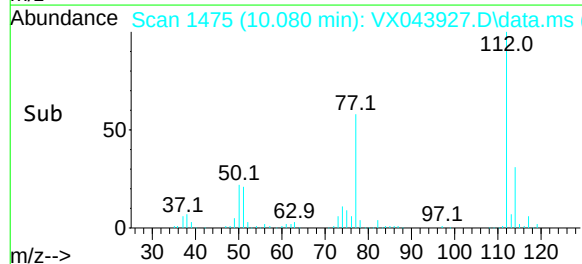
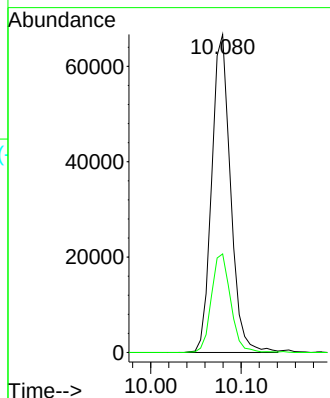
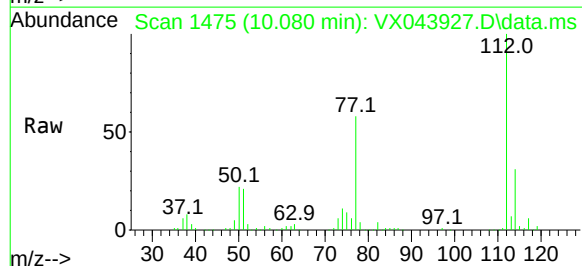
114 31.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 21.360 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

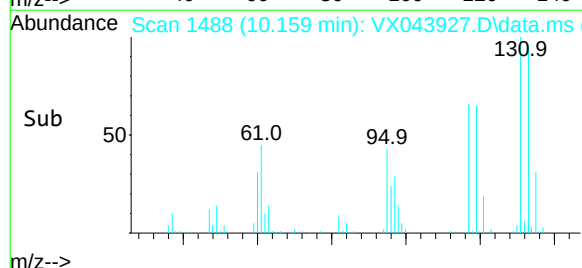
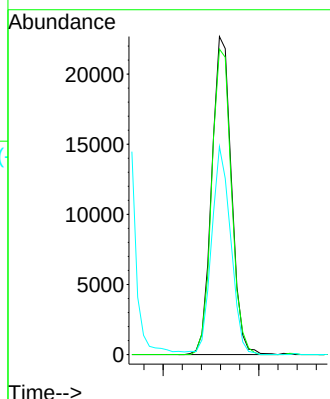
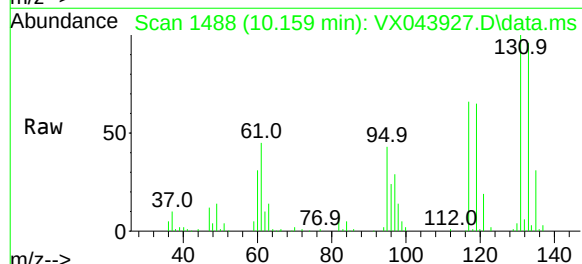
Tgt Ion:131 Resp: 32353

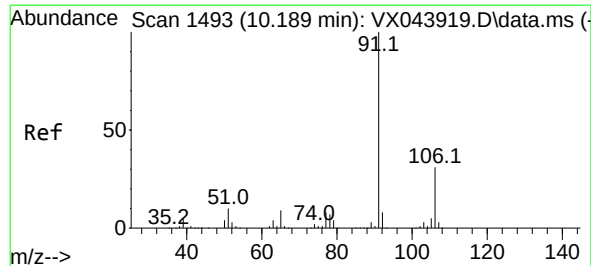
Ion Ratio Lower Upper

131 100

133 96.2 48.8 146.3

119 63.7 32.9 98.7





#67

Ethyl Benzene

Concen: 21.731 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 91 Resp: 166435

Ion Ratio Lower Upper

91 100

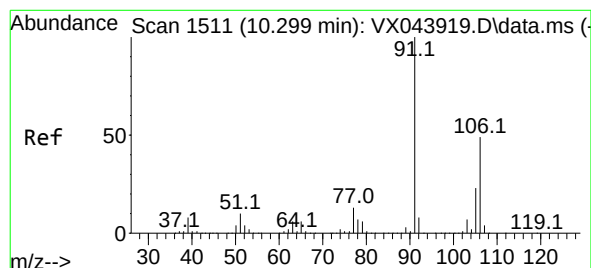
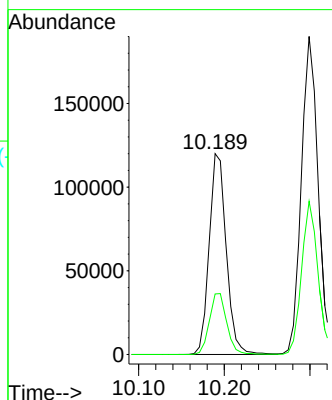
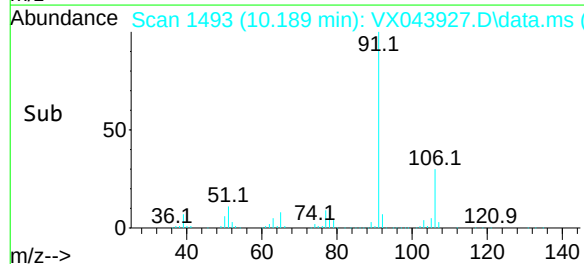
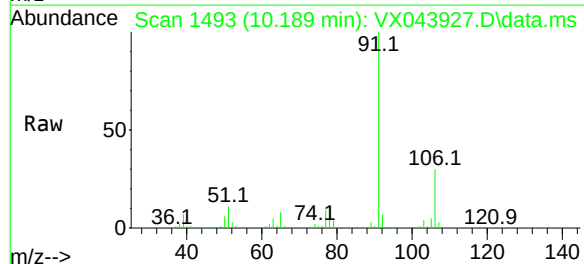
106 30.1 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 42.997 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043927.D

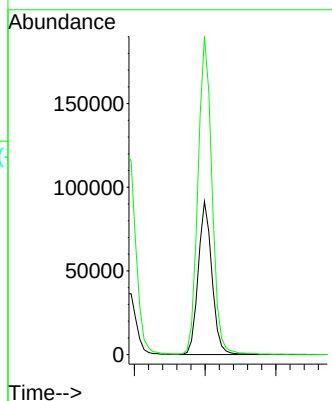
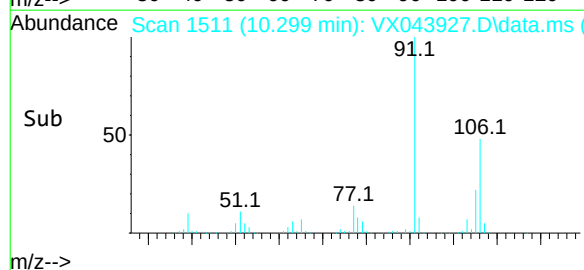
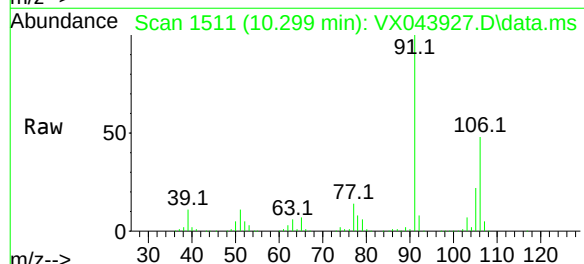
Acq: 21 Nov 2024 10:37

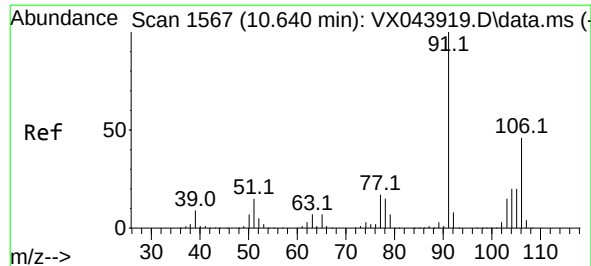
Tgt Ion:106 Resp: 122658

Ion Ratio Lower Upper

106 100

91 211.9 163.3 244.9





#69

o-Xylene

Concen: 21.648 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion:106 Resp: 60254

Ion Ratio Lower Upper

106 100

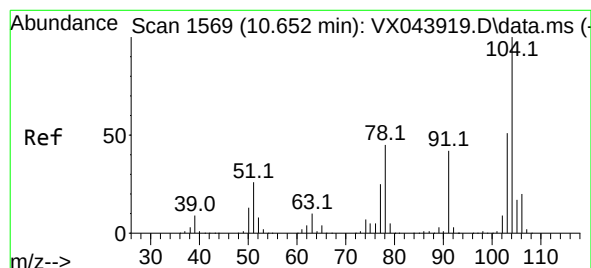
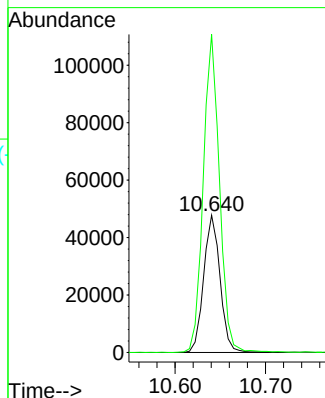
91 229.5 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 22.308 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

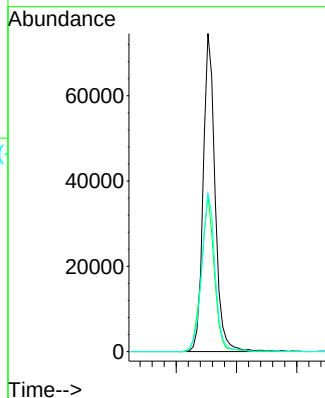
Tgt Ion:104 Resp: 102329

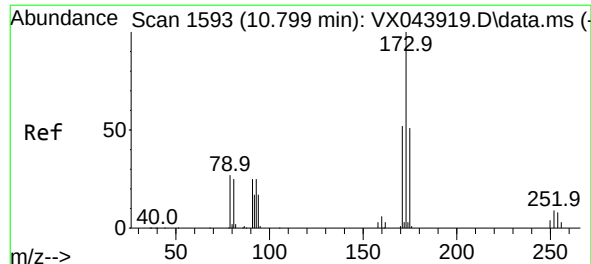
Ion Ratio Lower Upper

104 100

78 53.5 40.3 60.5

103 55.5 43.9 65.9





#71

Bromoform

Concen: 19.555 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

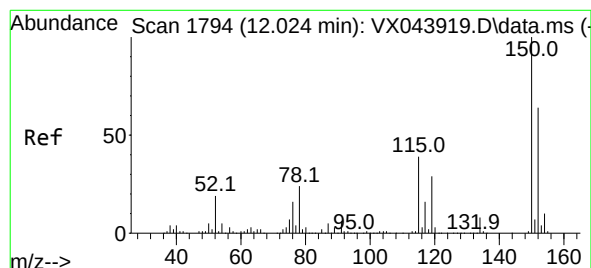
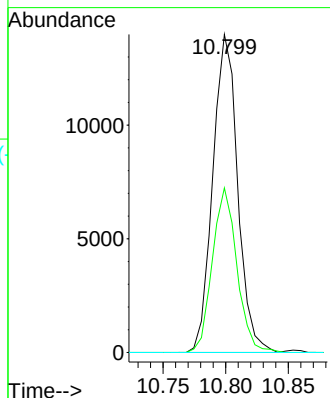
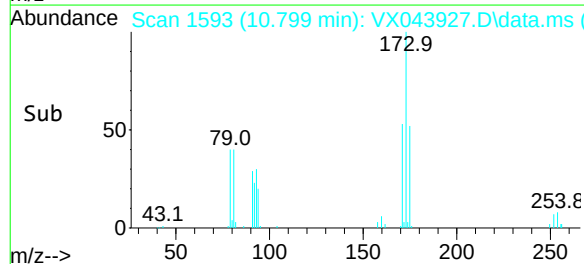
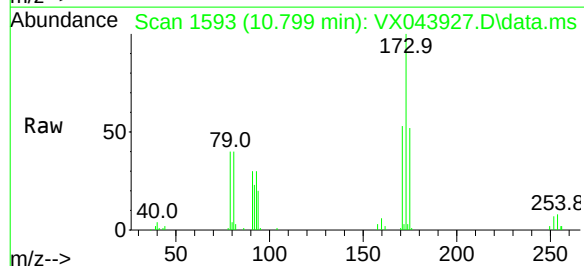
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 19329 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 51.0  | 24.6  | 73.8  |
| 254       | 0.0   | 0.1   | 0.1#  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

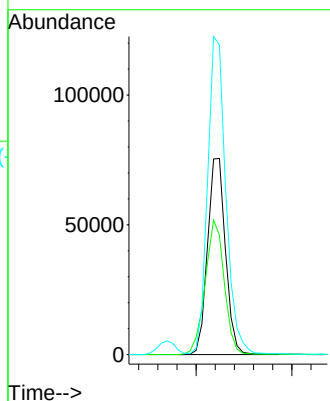
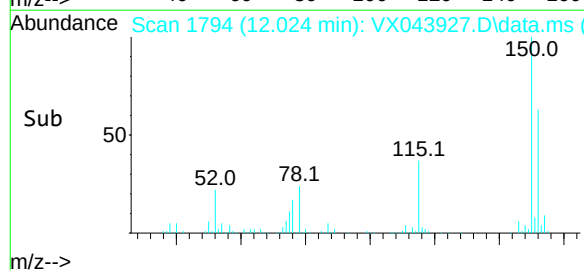
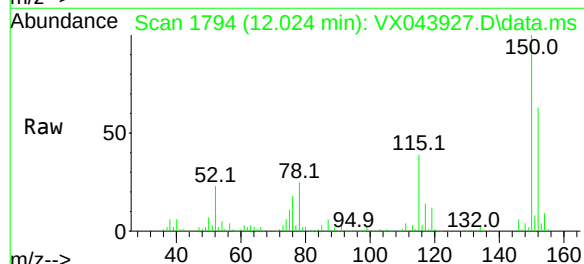
RT: 12.024 min Scan# 1794

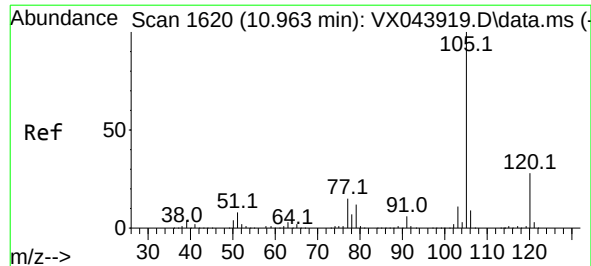
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 98477 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 73.0  | 42.1  | 126.3 |
| 150       | 165.0 | 0.0   | 348.2 |





#73

Isopropylbenzene

Concen: 22.393 ug/l

RT: 10.964 min Scan# 16

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 157405

Ion Ratio Lower Upper

105 100

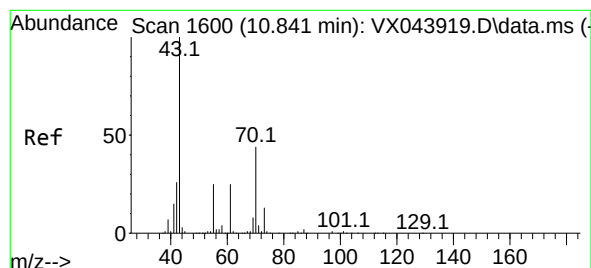
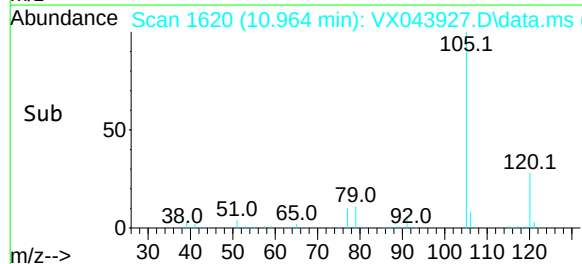
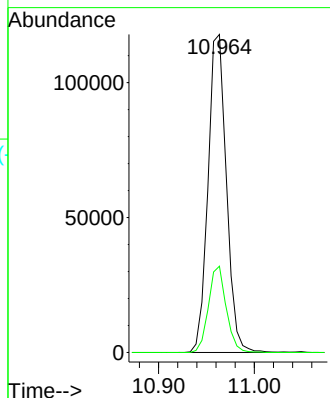
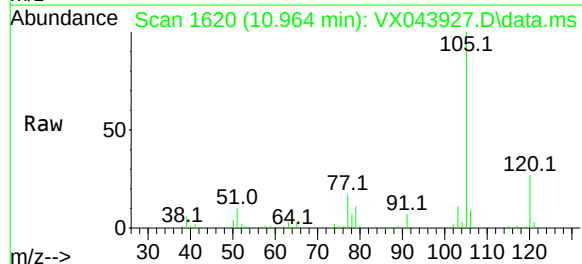
120 26.2 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 23.459 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

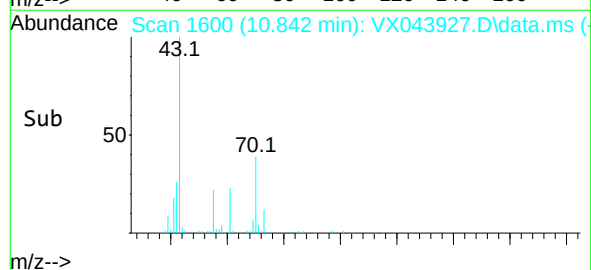
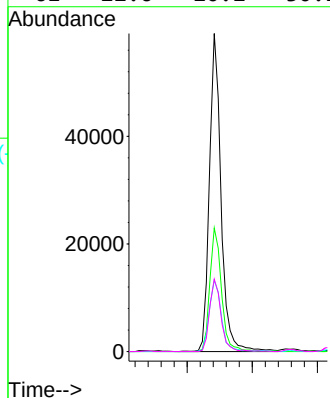
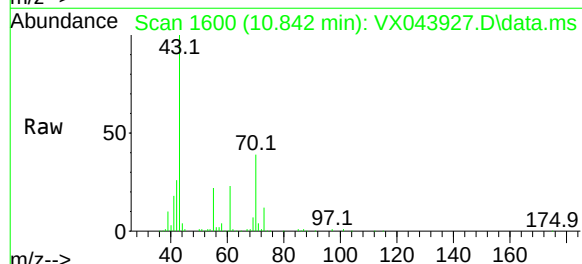
Ion Ratio Lower Upper

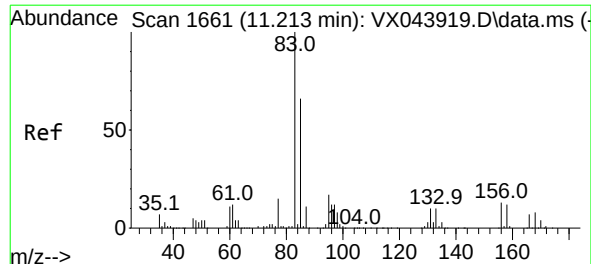
43 100

70 39.1 36.5 54.7

55 23.3 19.6 29.4

61 22.6 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 22.787 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

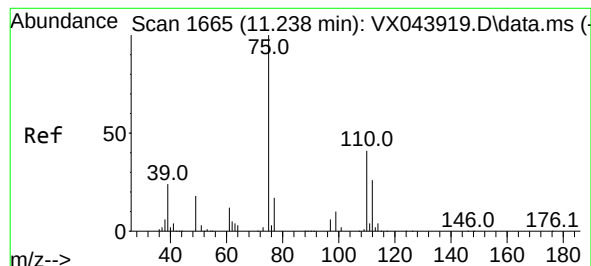
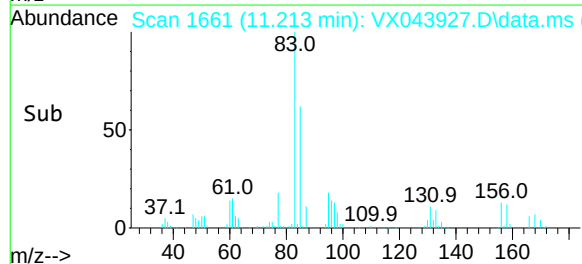
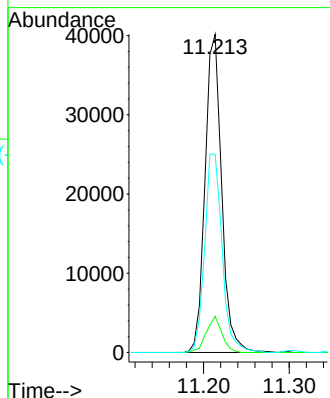
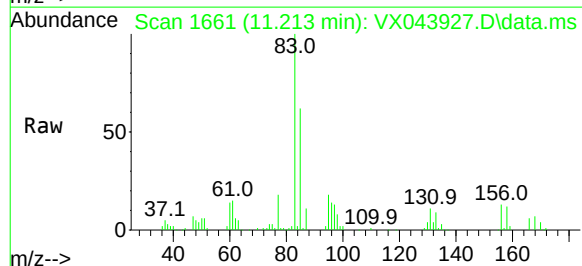
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 54158 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 10.7  | 5.1   | 15.3  |
| 85       | 65.7  | 32.3  | 96.9  |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 22.601 ug/l m

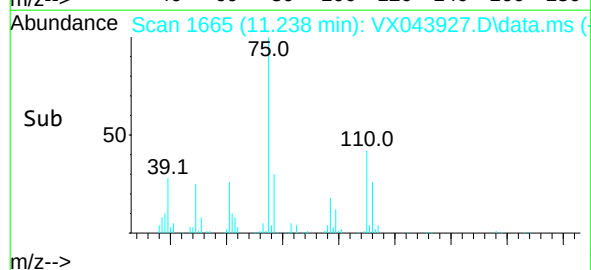
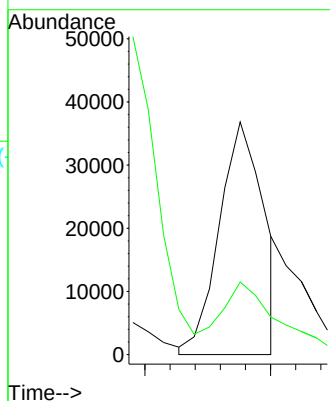
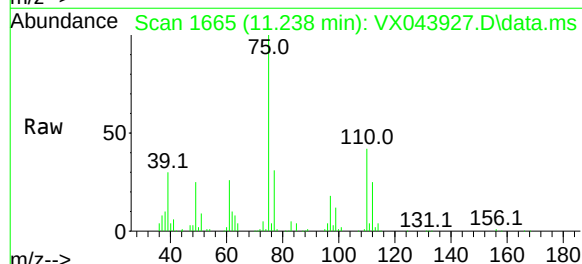
RT: 11.238 min Scan# 1665

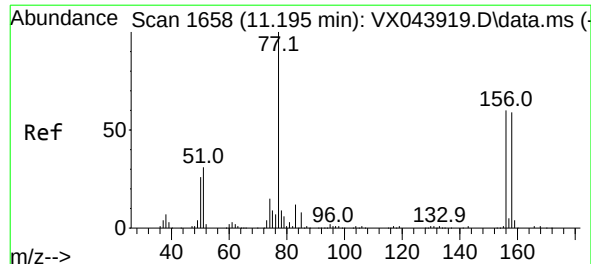
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 45423 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 40.9  | 22.4  | 67.0  |





#77

Bromobenzene

Concen: 21.843 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

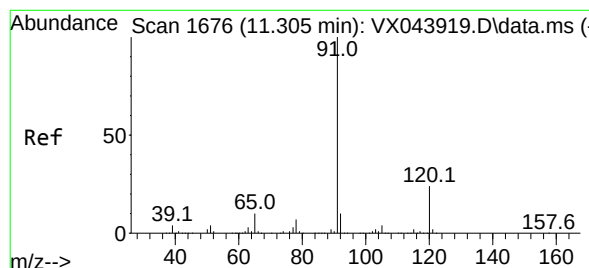
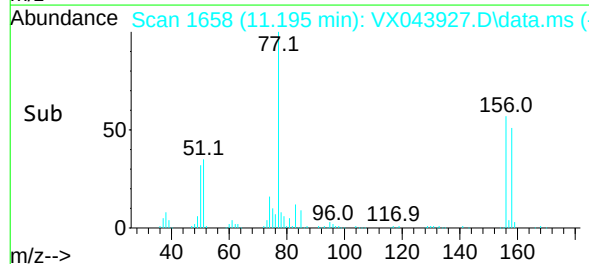
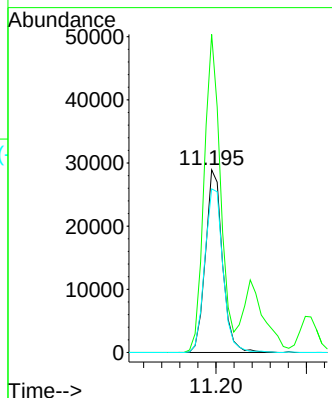
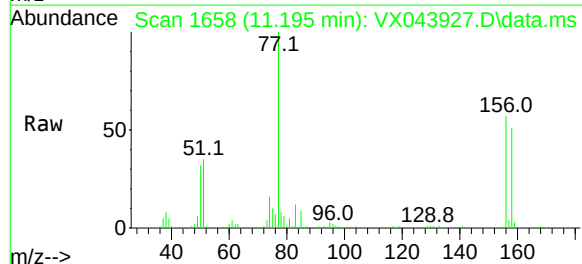
ClientSampleId :

VSTDIC020

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 37631 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 167.6 | 81.2  | 243.6 |
| 158      | 96.0  | 48.6  | 145.8 |

Manual Integrations  
APPROVED

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



#78

n-propylbenzene

Concen: 22.696 ug/l

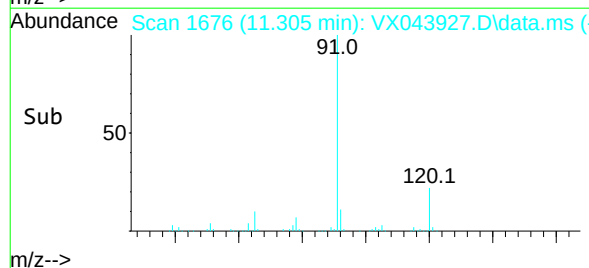
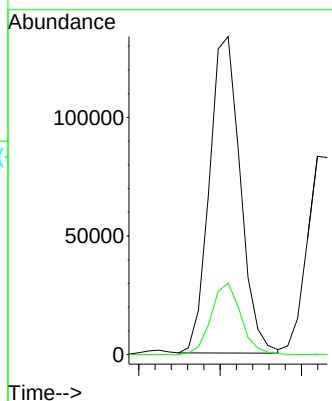
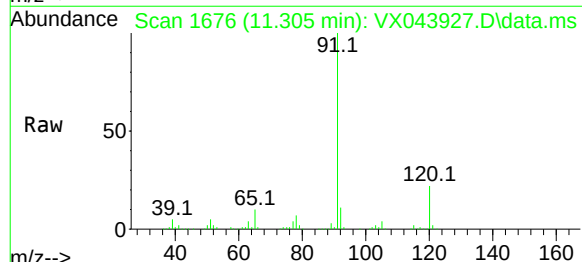
RT: 11.305 min Scan# 1676

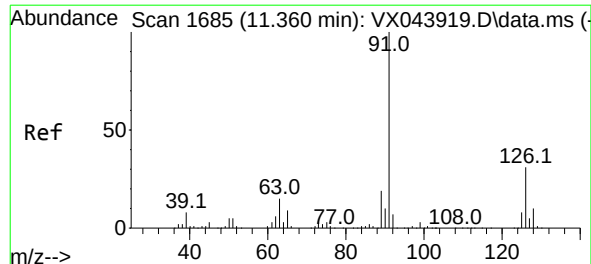
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 176034 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 21.8  | 11.5  | 34.5   |





#79

2-Chlorotoluene

Concen: 22.894 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 112986

Ion Ratio Lower Upper

91 100

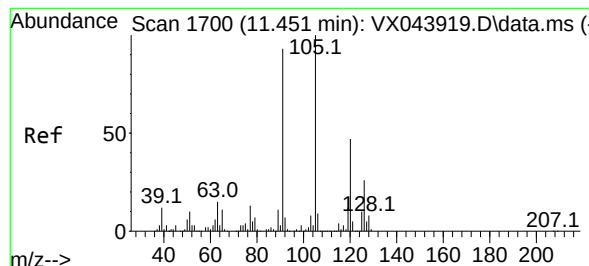
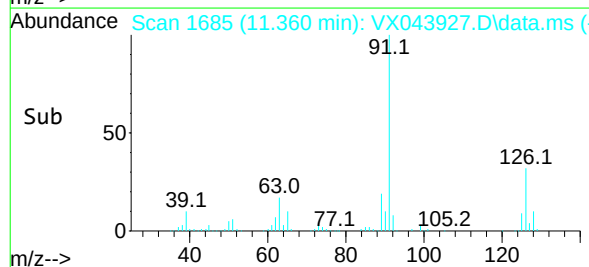
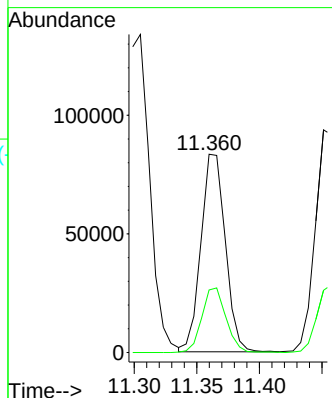
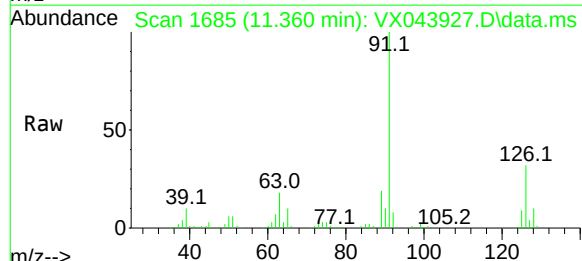
126 32.4 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 22.662 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043927.D

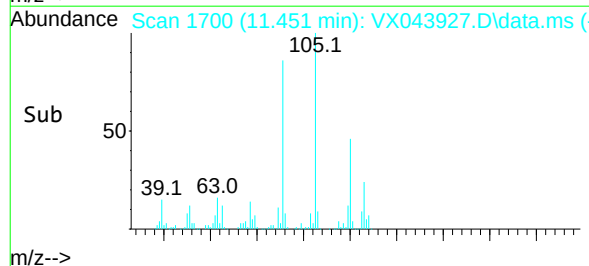
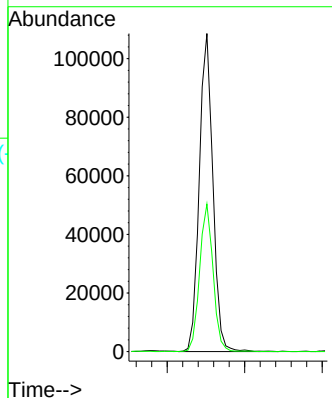
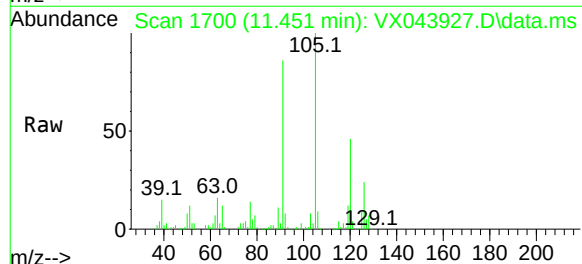
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132041

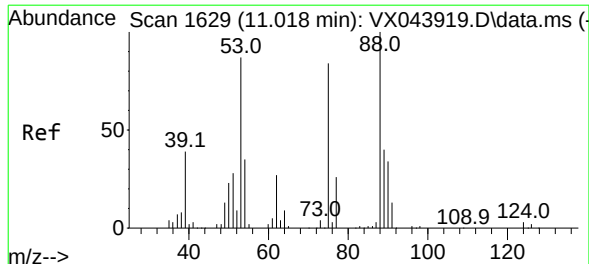
Ion Ratio Lower Upper

105 100

120 46.0 23.8 71.5







#81

trans-1,4-Dichloro-2-butene

Concen: 20.654 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043927.D

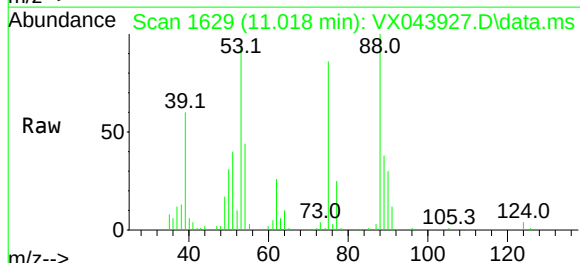
Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020



Tgt Ion: 75 Resp: 14743

Ion Ratio Lower Upper

75 100

53 116.9 81.7 122.5

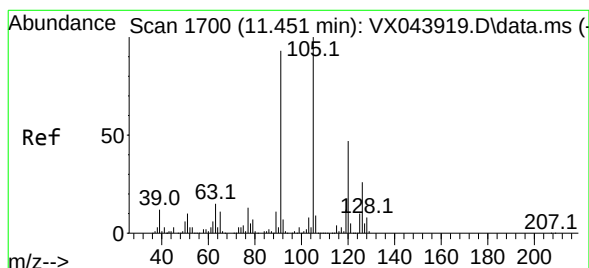
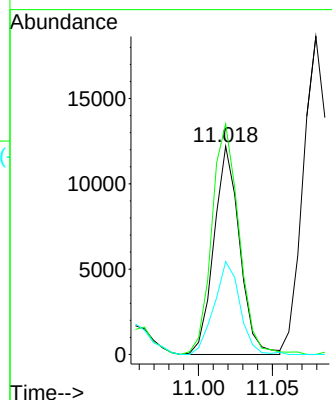
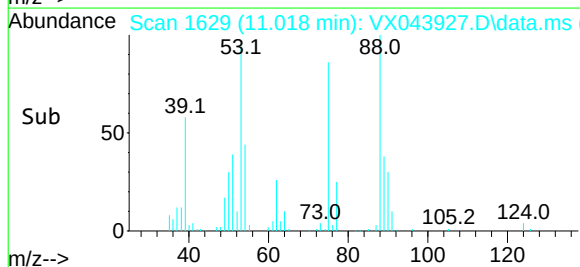
89 44.8 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

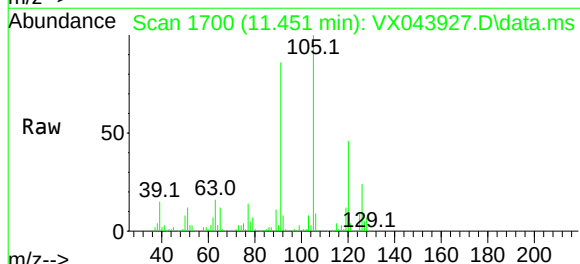
Concen: 22.085 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

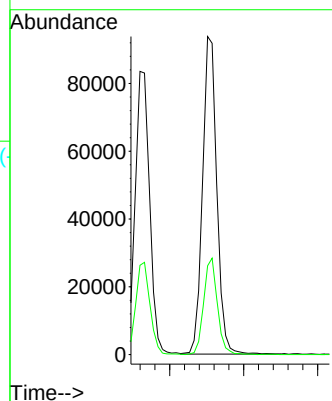
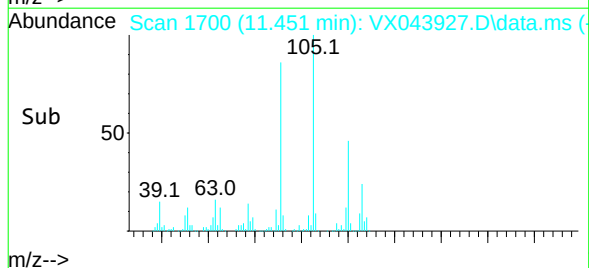


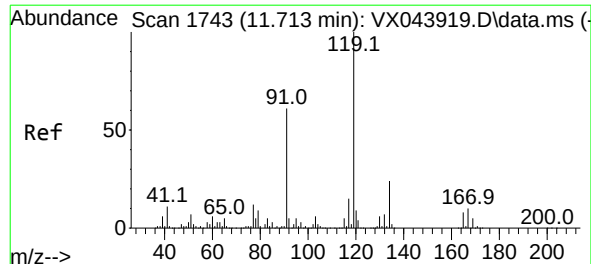
Tgt Ion: 91 Resp: 125521

Ion Ratio Lower Upper

91 100

126 29.2 14.4 43.2





#83

tert-Butylbenzene

Concen: 21.582 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion:119 Resp: 128636

Ion Ratio Lower Upper

119 100

91 61.4 29.5 88.6

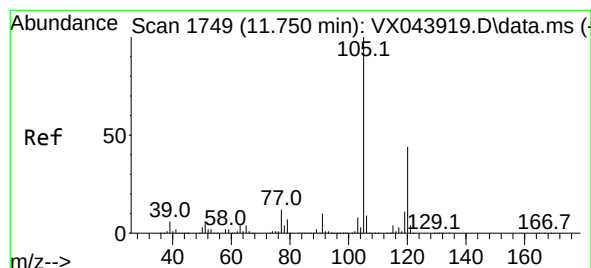
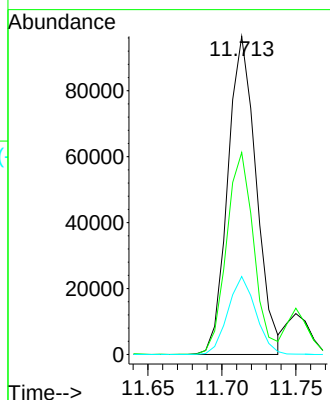
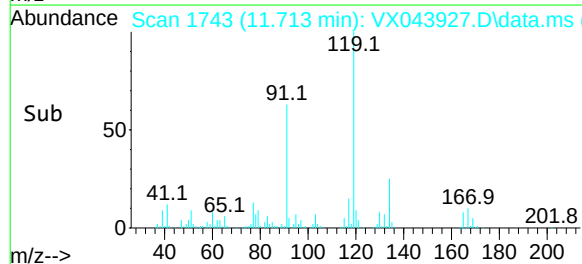
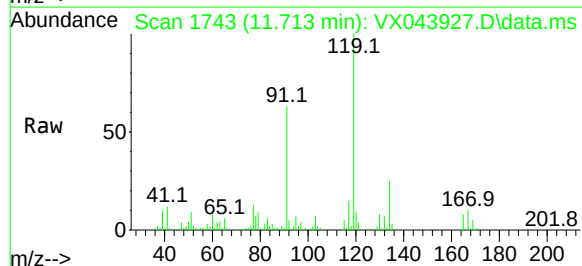
134 24.2 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 22.408 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043927.D

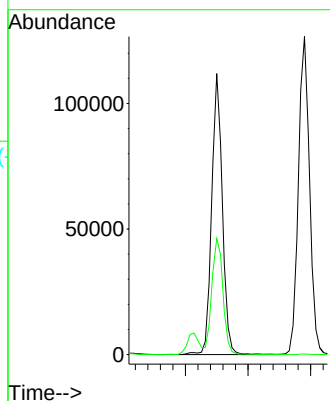
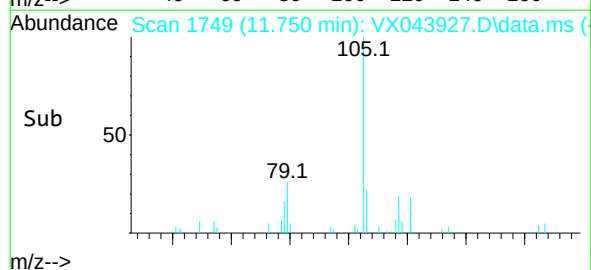
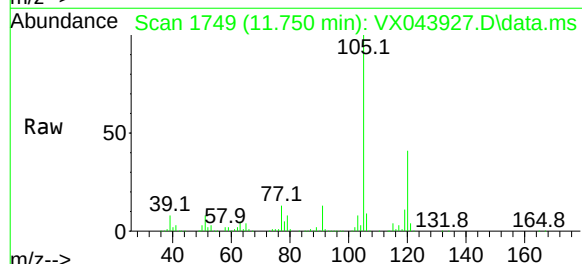
Acq: 21 Nov 2024 10:37

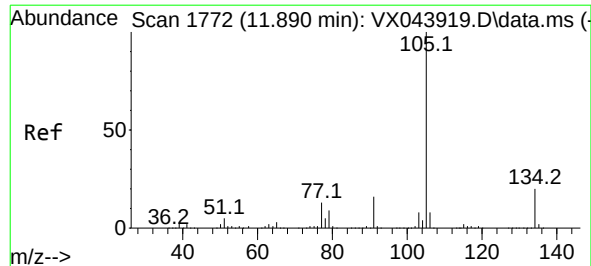
Tgt Ion:105 Resp: 132595

Ion Ratio Lower Upper

105 100

120 42.9 21.7 65.1





#85

sec-Butylbenzene

Concen: 21.962 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion:105 Resp: 156312

Ion Ratio Lower Upper

105 100

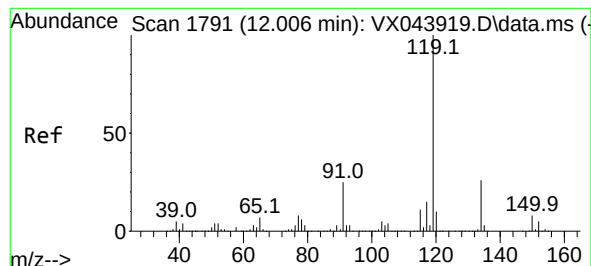
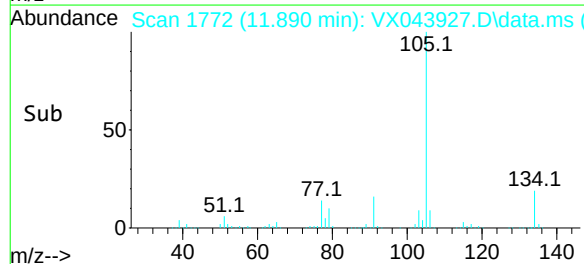
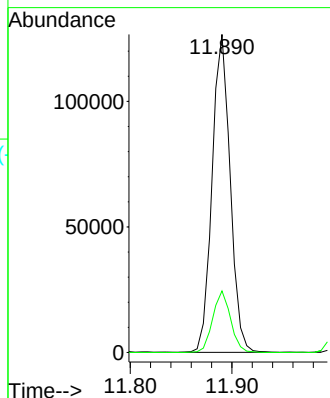
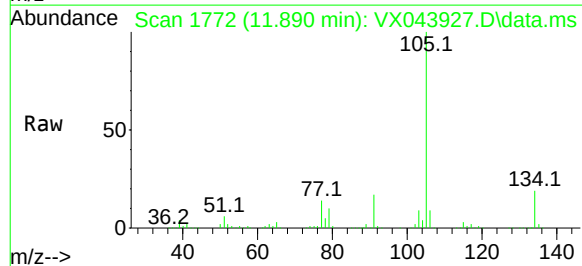
134 19.1 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 21.854 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

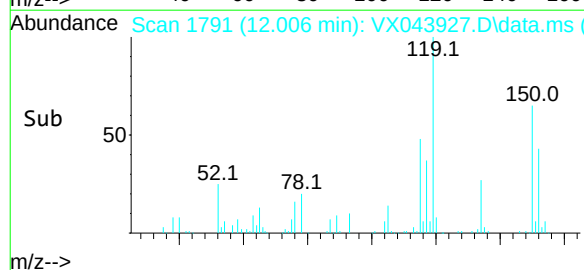
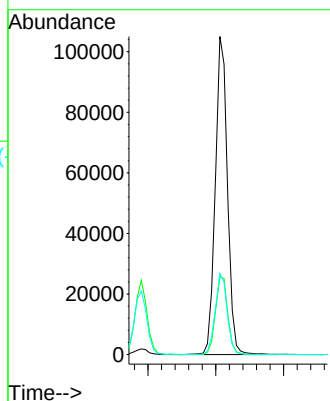
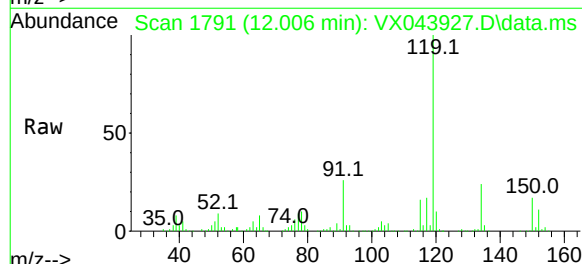
Tgt Ion:119 Resp: 130605

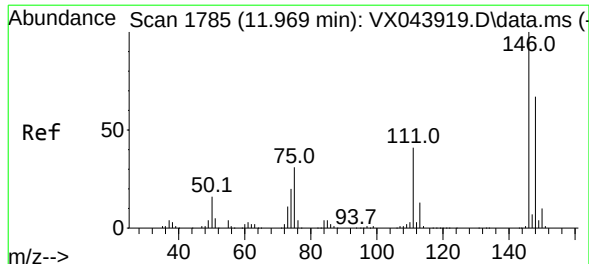
Ion Ratio Lower Upper

119 100

134 24.8 13.0 38.9

91 25.2 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 20.986 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion:146 Resp: 67003

Ion Ratio Lower Upper

146 100

111 41.2 20.8 62.2

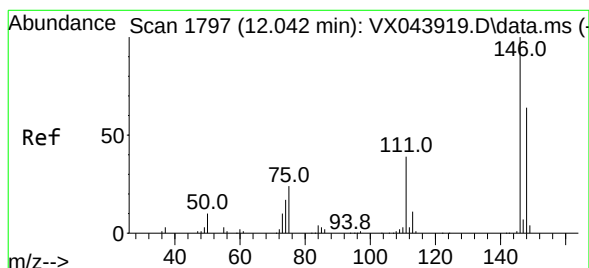
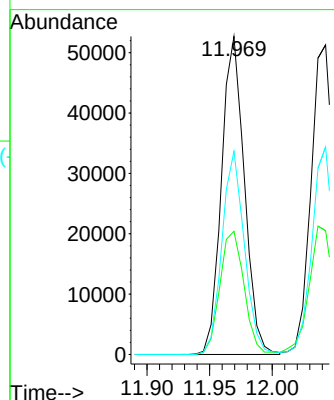
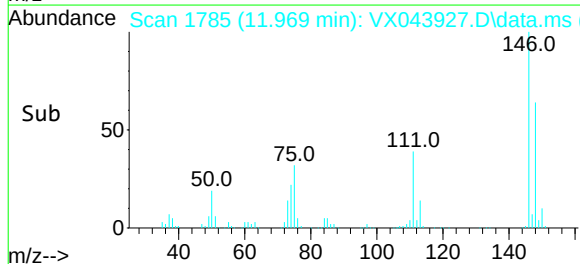
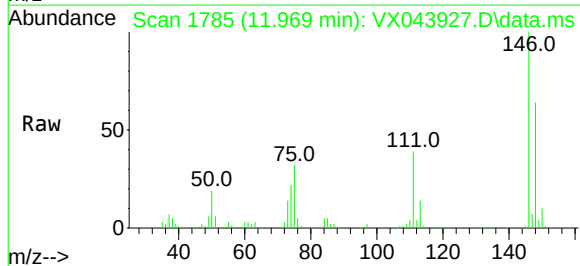
148 62.8 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 20.527 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

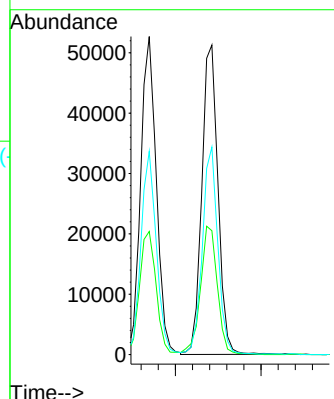
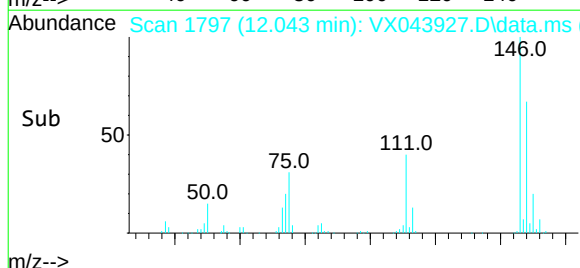
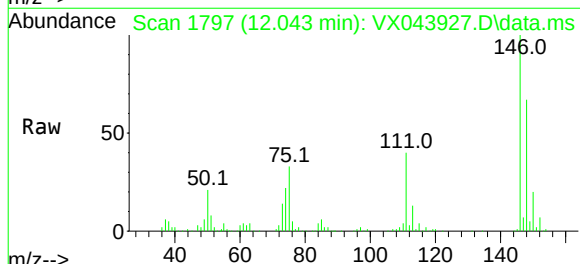
Tgt Ion:146 Resp: 67195

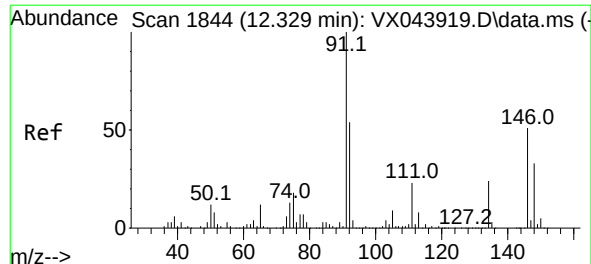
Ion Ratio Lower Upper

146 100

111 43.4 20.1 60.2

148 64.1 32.2 96.6





#89

n-Butylbenzene

Concen: 21.698 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

Tgt Ion: 91 Resp: 110491

Ion Ratio Lower Upper

91 100

92 52.3 26.9 80.6

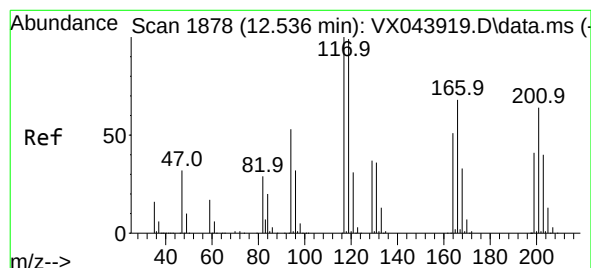
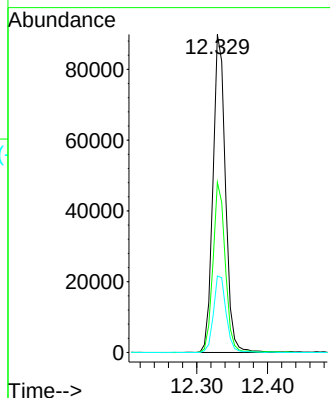
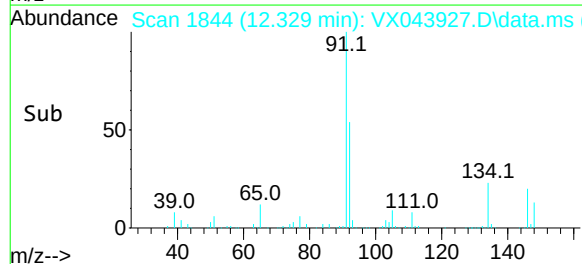
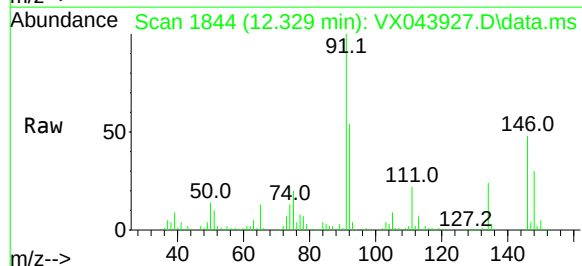
134 24.4 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 19.432 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043927.D

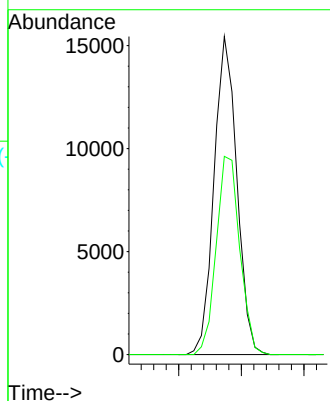
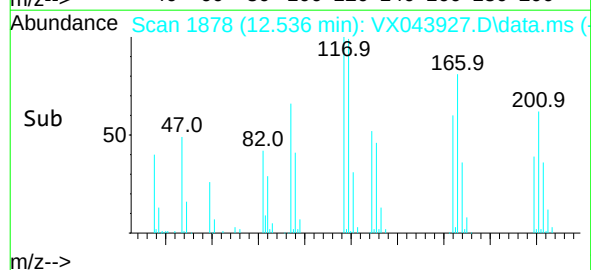
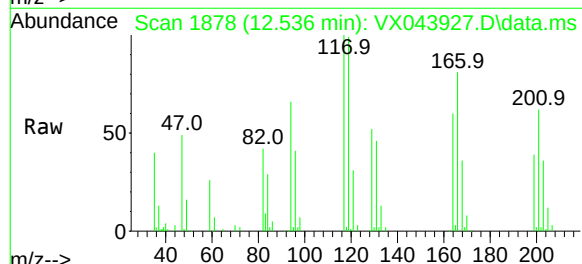
Acq: 21 Nov 2024 10:37

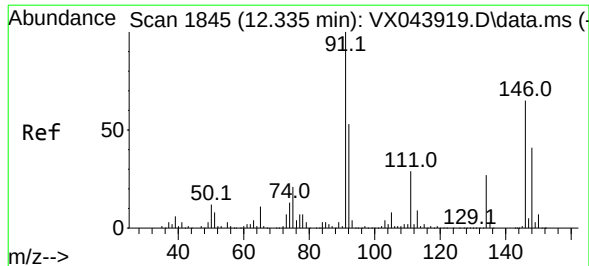
Tgt Ion:117 Resp: 19547

Ion Ratio Lower Upper

117 100

201 64.5 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 20.298 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion:146 Resp: 67852

Ion Ratio Lower Upper

146 100

111 44.0 21.7 65.1

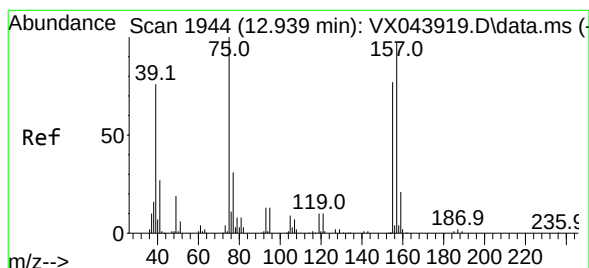
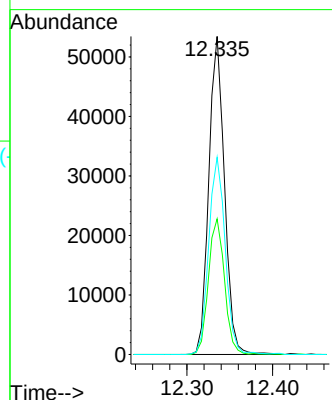
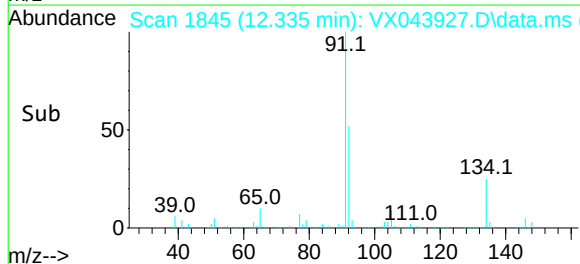
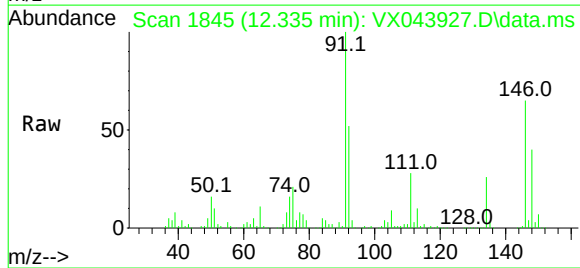
148 65.4 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.259 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

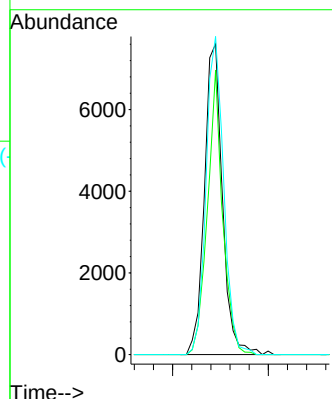
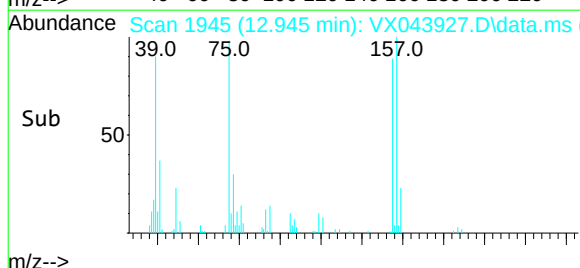
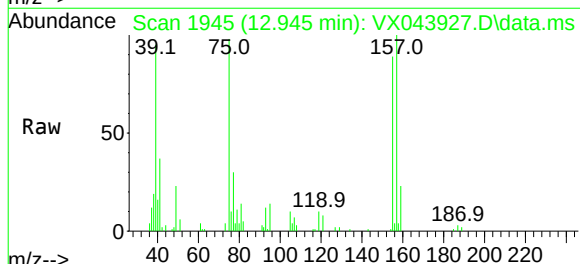
Tgt Ion: 75 Resp: 9939

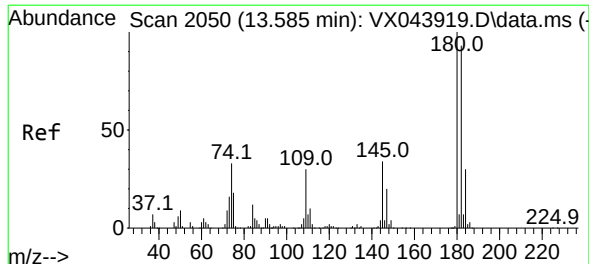
Ion Ratio Lower Upper

75 100

155 77.7 40.8 122.5

157 100.2 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 19.894 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

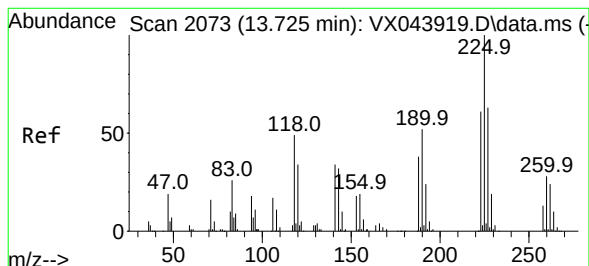
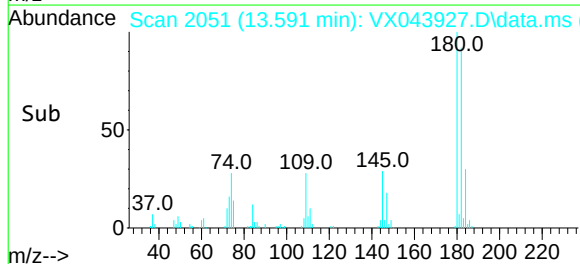
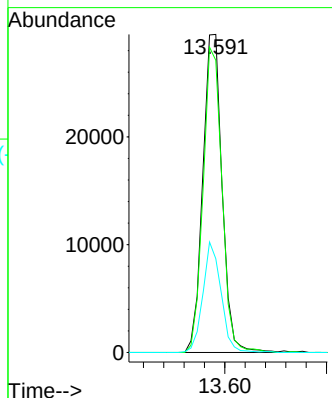
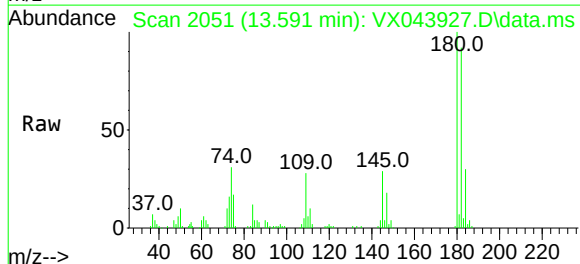
ClientSampleId :

VSTDICC020

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 38866 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 93.9  | 46.8  | 140.4 |
| 145       | 32.7  | 16.4  | 49.2  |

Manual Integrations  
APPROVED

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



#94

Hexachlorobutadiene

Concen: 18.508 ug/l

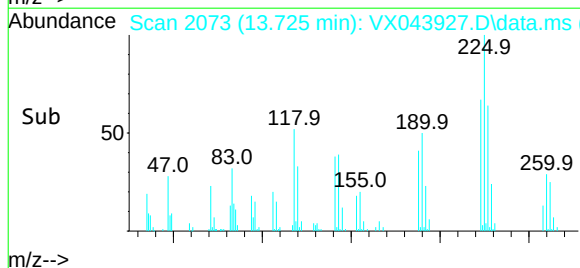
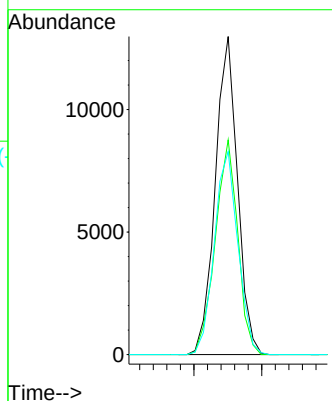
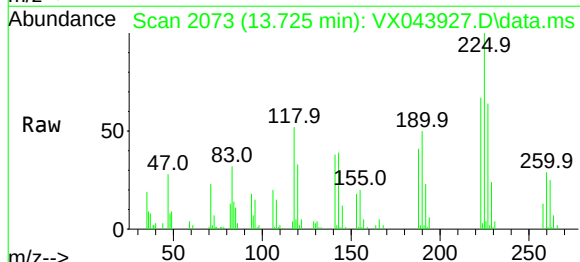
RT: 13.725 min Scan# 2073

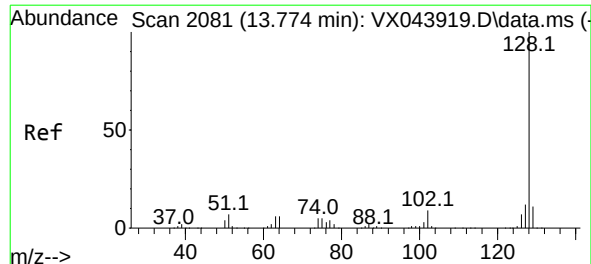
Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 225   | Resp: | 14818 |
| Ion Ratio | Lower | Upper |       |
| 225       | 100   |       |       |
| 223       | 67.9  | 31.1  | 93.3  |
| 227       | 67.6  | 29.8  | 89.5  |





#95

Naphthalene

Concen: 19.999 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

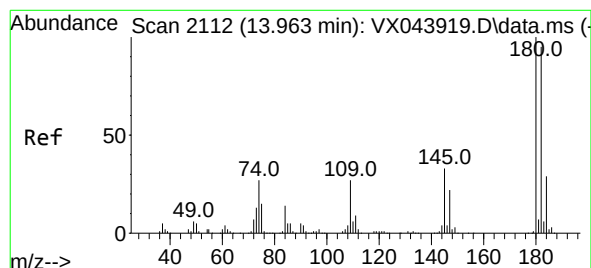
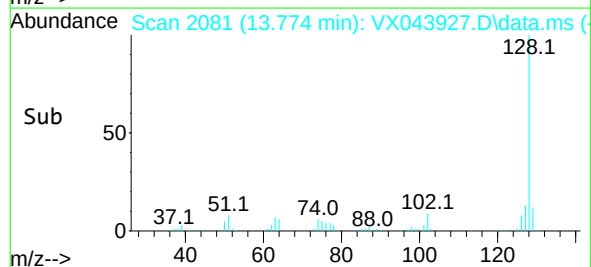
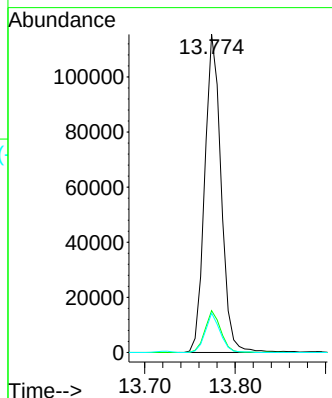
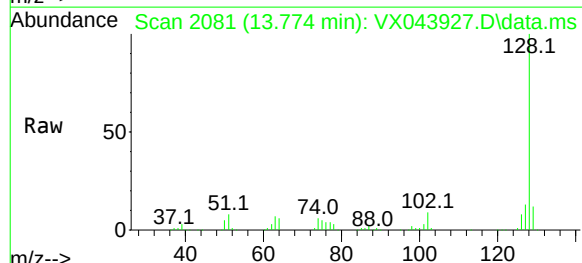
ClientSampleId :

VSTDICC020

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 145678 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.6  | 10.1  | 15.1   |
| 129      | 11.3  | 8.6   | 13.0   |

Manual Integrations  
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 20.415 ug/l

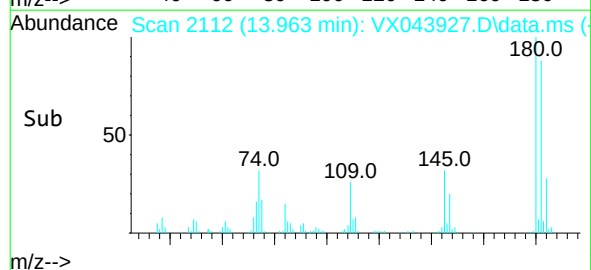
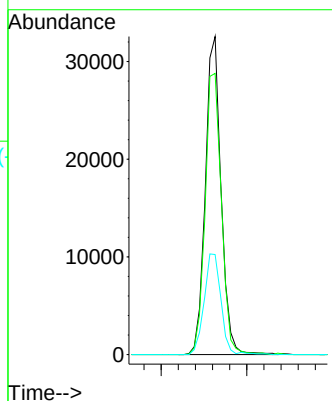
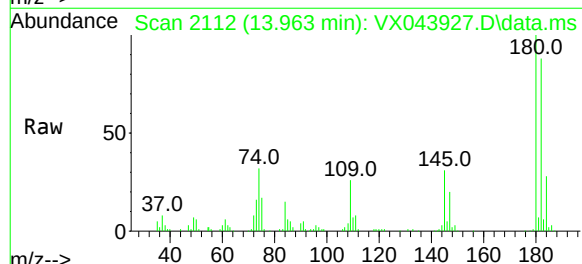
RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 41554 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 91.6  | 47.6  | 142.8 |
| 145      | 33.9  | 17.4  | 52.2  |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043928.D  
 Acq On : 21 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Nov 21 12:14:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 11:25:29 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 138578   | 50.000 | ug/l  | -0.01    |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 241629   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 212243   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 100316   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 104086   | 48.899   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 97.800%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 78954    | 48.663   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 97.320%  |
| 50) Toluene-d8              | 8.641  | 98    | 266650   | 49.194   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 98.380%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 93510    | 52.209   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 104.420% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 94790   | 67.600  | ug/l   | 98  |
| 3) Chloromethane             | 1.295 | 50  | 96646   | 55.148  | ug/l   | 100 |
| 4) Vinyl Chloride            | 1.374 | 62  | 105586  | 59.966  | ug/l   | 100 |
| 5) Bromomethane              | 1.593 | 94  | 61728   | 77.177  | ug/l   | 97  |
| 6) Chloroethane              | 1.660 | 64  | 63580   | 75.594  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 188045  | 74.909  | ug/l   | 100 |
| 8) Diethyl Ether             | 2.130 | 74  | 65665   | 69.383  | ug/l   | 96  |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 91167   | 61.367  | ug/l   | 97  |
| 10) Methyl Iodide            | 2.441 | 142 | 112083  | 53.608  | ug/l   | 95  |
| 11) Tert butyl alcohol       | 2.995 | 59  | 100130  | 295.821 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 83087   | 57.625  | ug/l   | 92  |
| 13) Acrolein                 | 2.233 | 56  | 100647  | 265.136 | ug/l   | 97  |
| 14) Allyl chloride           | 2.654 | 41  | 144663  | 61.883  | ug/l   | 91  |
| 15) Acrylonitrile            | 3.063 | 53  | 256493  | 294.373 | ug/l   | 98  |
| 16) Acetone                  | 2.380 | 43  | 294611  | 344.605 | ug/l   | 93  |
| 17) Carbon Disulfide         | 2.502 | 76  | 178294  | 56.633  | ug/l   | 99  |
| 18) Methyl Acetate           | 2.703 | 43  | 136735  | 58.404  | ug/l   | 97  |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 313754  | 58.872  | ug/l   | 98  |
| 20) Methylene Chloride       | 2.782 | 84  | 92475   | 51.676  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 87752   | 55.825  | ug/l   | 95  |
| 22) Diisopropyl ether        | 3.758 | 45  | 299631  | 58.668  | ug/l   | 94  |
| 23) Vinyl Acetate            | 3.715 | 43  | 1344870 | 324.875 | ug/l   | 97  |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 174008  | 57.932  | ug/l   | 99  |
| 25) 2-Butanone               | 4.556 | 43  | 392575  | 328.247 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 158151  | 64.072  | ug/l   | 96  |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 109742  | 56.100  | ug/l   | 94  |
| 28) Bromochloromethane       | 4.885 | 49  | 62386   | 49.360  | ug/l   | 88  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 234208  | 303.060 | ug/l   | 97  |
| 30) Chloroform               | 5.080 | 83  | 182404  | 58.257  | ug/l   | 94  |
| 31) Cyclohexane              | 5.458 | 56  | 144224  | 59.242  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 164023  | 61.280  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 5.678 | 75  | 119269  | 58.983  | ug/l   | 99  |
| 37) Ethyl Acetate            | 4.709 | 43  | 147393  | 64.767  | ug/l   | 98  |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 134725  | 62.932  | ug/l   | 97  |
| 39) Methylcyclohexane        | 7.373 | 83  | 158586  | 62.647  | ug/l   | 95  |
| 40) Benzene                  | 6.025 | 78  | 360978  | 56.780  | ug/l   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043928.D  
 Acq On : 21 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

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

Quant Time: Nov 21 12:14:30 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 11:25:29 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 79507    | 67.041  | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 145681   | 63.109  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 235856   | 65.697  | ug/l   | 94       |
| 44) Trichloroethene           | 7.117  | 130  | 90015    | 51.360  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.422  | 63   | 89529    | 57.459  | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 70679    | 60.196  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 131365   | 63.678  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 112803   | 63.393  | ug/l # | 88       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 33402    | 881.301 | ug/l # | 73       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 732582   | 327.265 | ug/l   | 95       |
| 52) Toluene                   | 8.714  | 92   | 222500   | 60.664  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 137451   | 65.667  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 147638   | 62.243  | ug/l   | 92       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 89441    | 62.501  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 148281   | 65.443  | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 151124   | 63.034  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 371281   | 312.467 | ug/l   | 98       |
| 59) 2-Hexanone                | 9.427  | 43   | 568460   | 359.925 | ug/l   | 93       |
| 60) Dibromochloromethane      | 9.519  | 129  | 95641    | 68.588  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 92940    | 62.263  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 74157    | 54.472  | ug/l   | 99       |
| 65) Chlorobenzene             | 10.080 | 112  | 243080   | 54.828  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 83934    | 56.885  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 429559   | 57.573  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 323661   | 116.466 | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 160643   | 59.245  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 268004   | 59.974  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 60267    | 62.587  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 411000   | 57.397  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 200195   | 62.704  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 139756   | 57.726  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 118450m  | 57.858  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 97761    | 55.706  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.299 | 91   | 474802   | 60.094  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 286649   | 57.018  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 345531   | 58.215  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 44450    | 61.129  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 333946   | 57.679  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 345112   | 56.841  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 345112   | 57.254  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 426284   | 58.794  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 353256   | 58.026  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 176936   | 54.401  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 178728   | 53.598  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 319448   | 61.581  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 59010    | 57.586  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 177334   | 52.077  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 28467    | 56.961  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 108749   | 54.645  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 41267    | 50.599  | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 401752   | 54.142  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 112162   | 54.094  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043928.D  
Acq On : 21 Nov 2024 11:17  
Operator : JC/MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

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

Quant Time: Nov 21 12:14:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 11:25:29 2024  
Response via : Initial Calibration

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

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

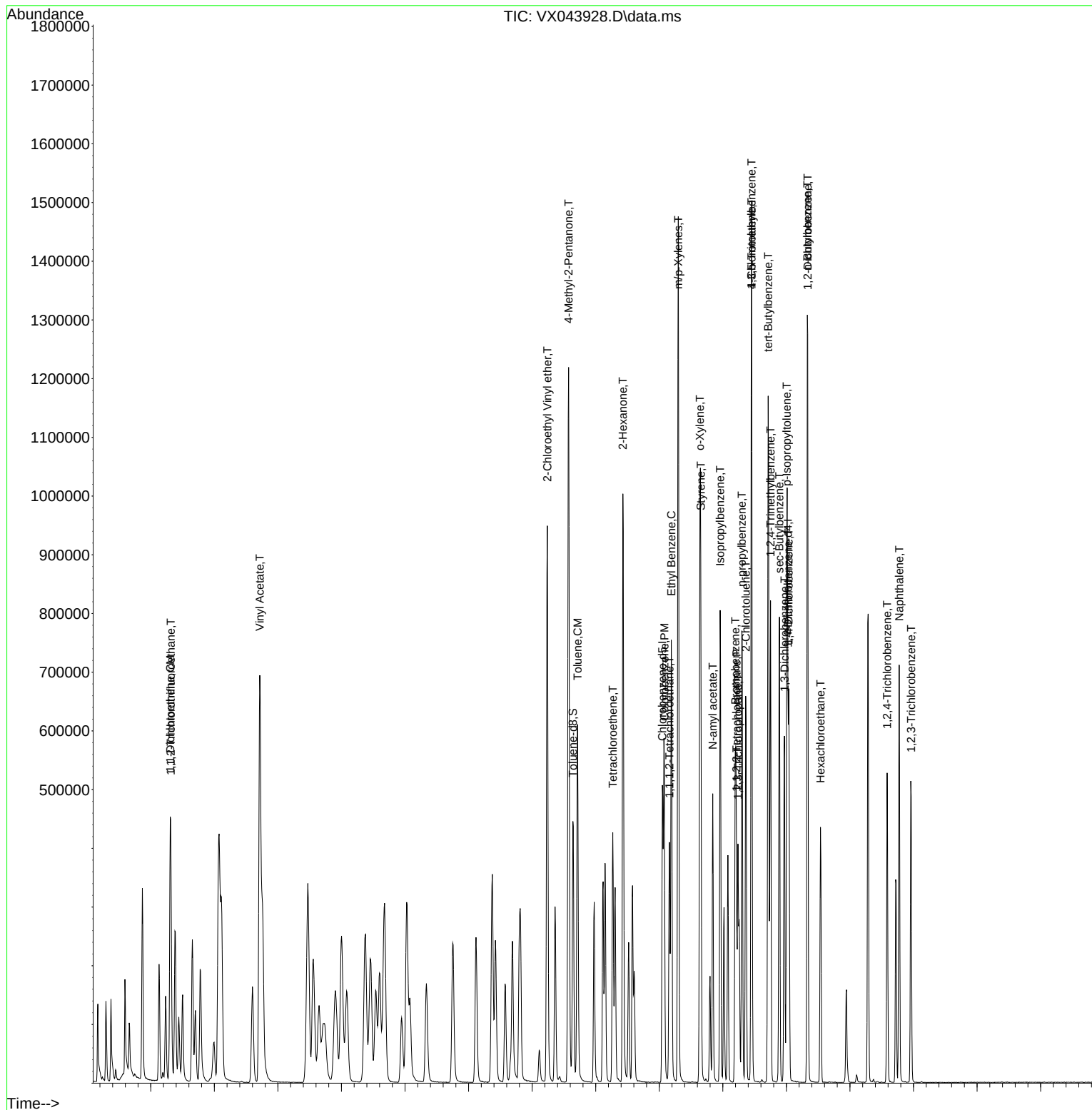
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043928.D  
Acq On : 21 Nov 2024 11:17  
Operator : JC/MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

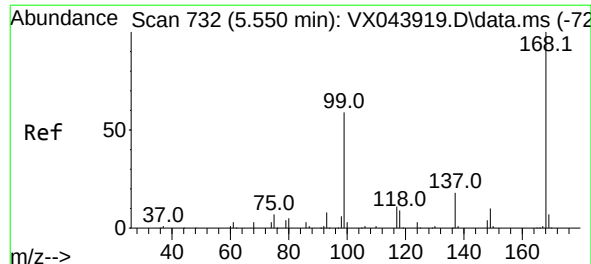
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Quant Time: Nov 21 12:14:30 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 11:25:29 2024  
Response via : Initial Calibration

Manual Integrations  
APPROVED

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





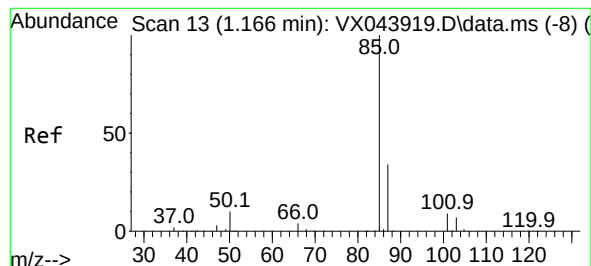
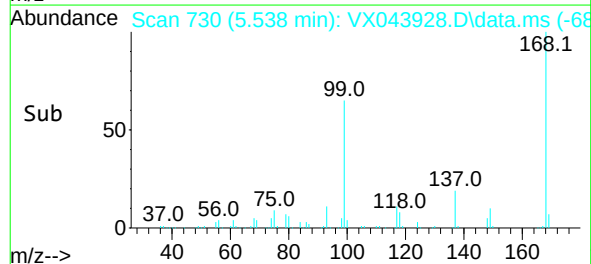
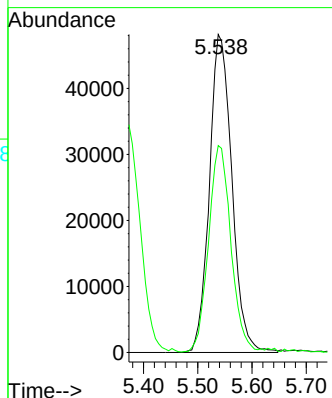
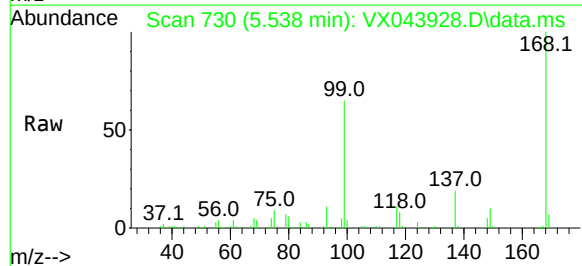
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 73  
Delta R.T. -0.012 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion:168 Resp: 138578  
Ion Ratio Lower Upper  
168 100  
99 64.8 46.9 70.3

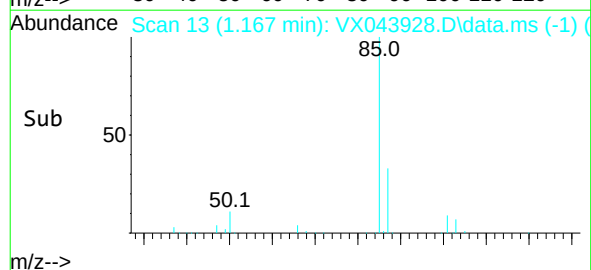
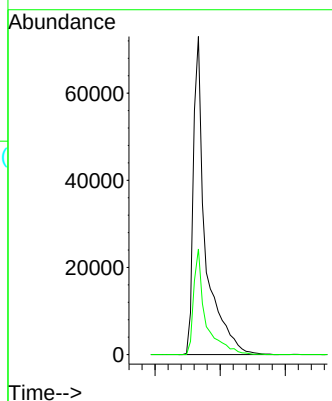
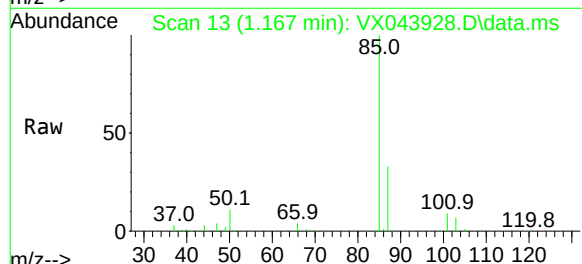
Manual Integrations  
APPROVED

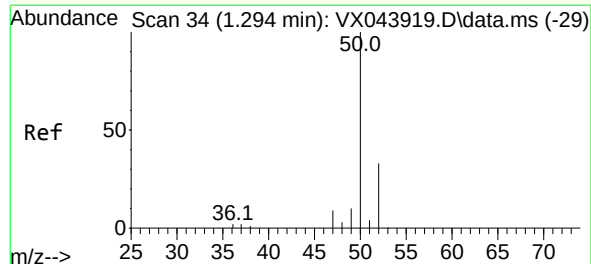
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#2  
Dichlorodifluoromethane  
Concen: 67.600 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790  
Ion Ratio Lower Upper  
85 100  
87 33.2 17.1 51.2





#3

Chloromethane

Concen: 55.148 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 50 Resp: 96646

Ion Ratio Lower Upper

50 100

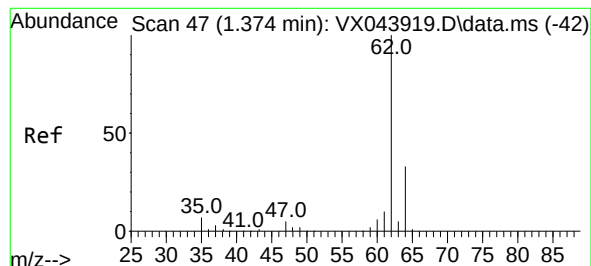
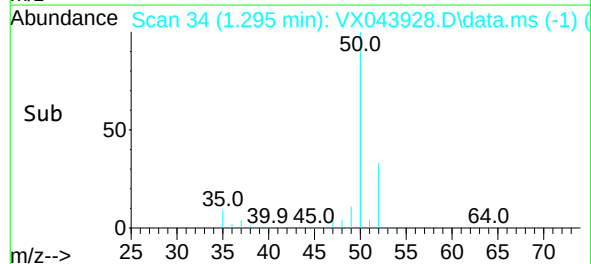
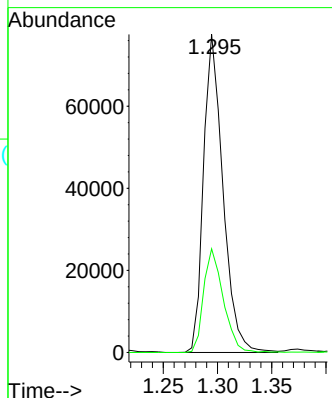
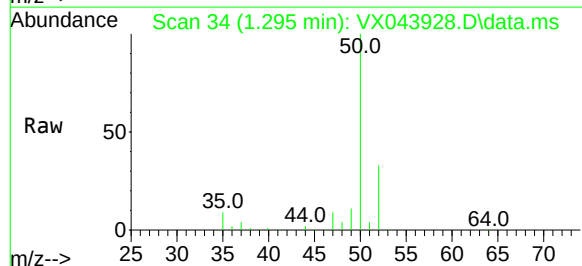
52 32.6 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 59.966 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043928.D

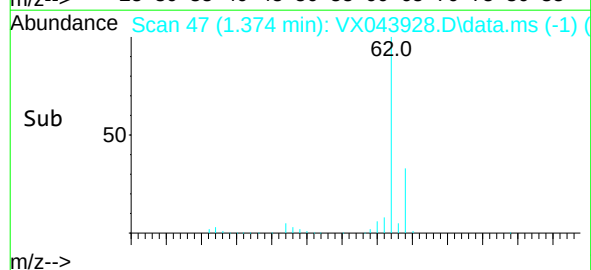
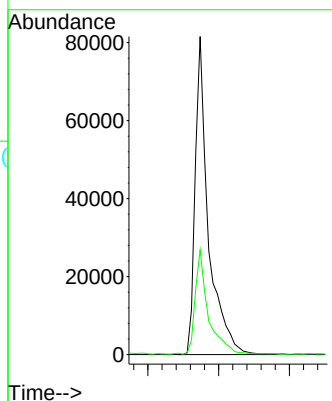
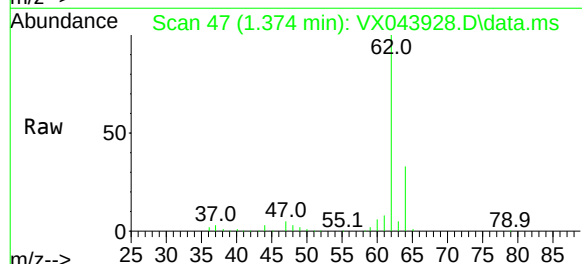
Acq: 21 Nov 2024 11:17

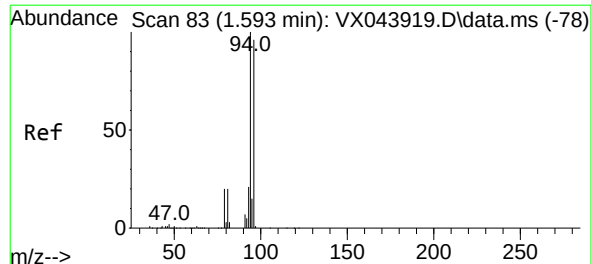
Tgt Ion: 62 Resp: 105586

Ion Ratio Lower Upper

62 100

64 32.8 26.1 39.1





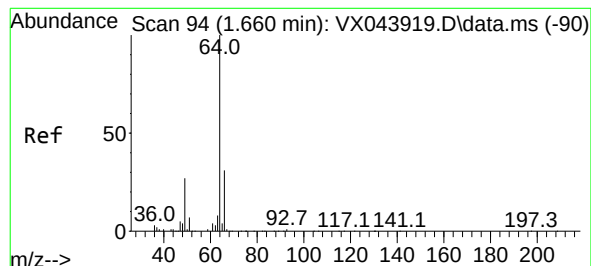
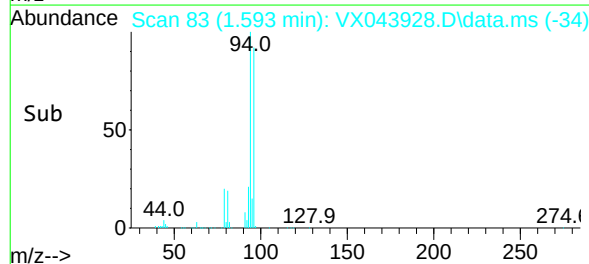
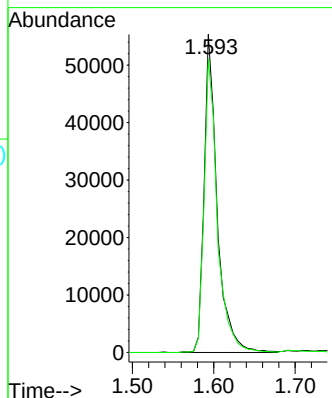
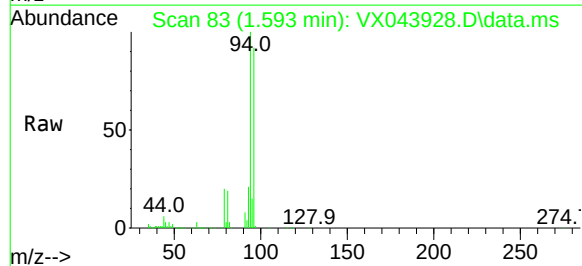
#5  
Bromomethane  
Concen: 77.177 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 94 Resp: 61728  
Ion Ratio Lower Upper  
94 100  
96 92.4 76.5 114.7

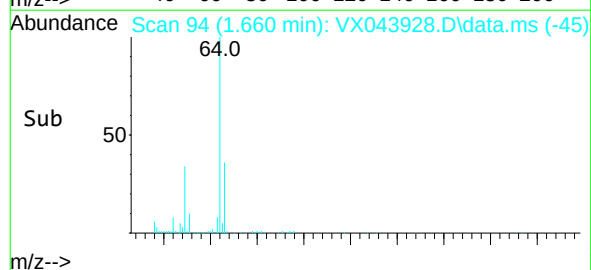
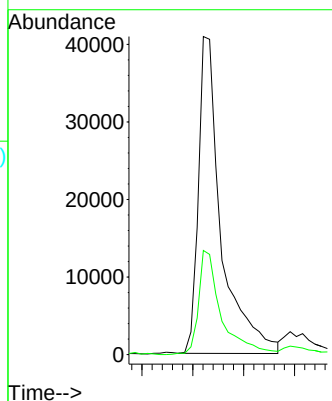
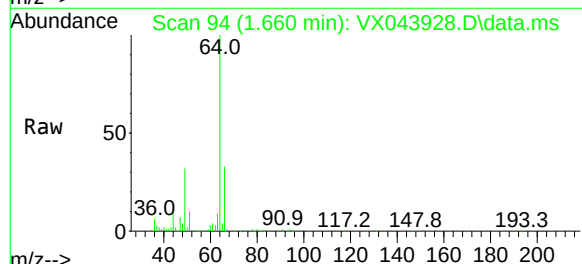
Manual Integrations  
APPROVED

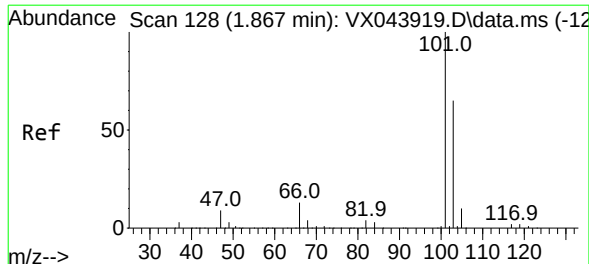
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#6  
Chloroethane  
Concen: 75.594 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

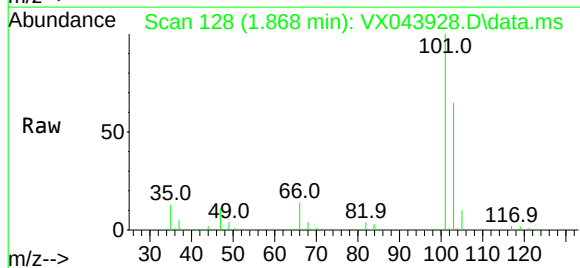
Tgt Ion: 64 Resp: 63580  
Ion Ratio Lower Upper  
64 100  
66 32.4 24.9 37.3





Trichlorofluoromethane  
Concen: 74.909 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

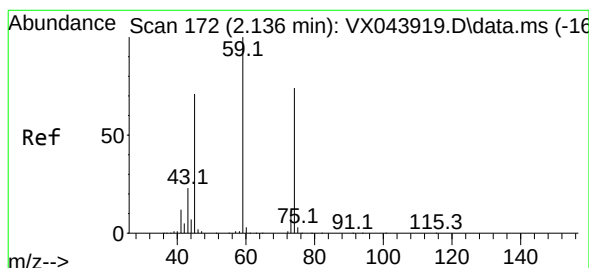
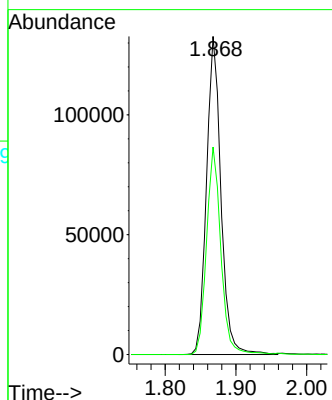
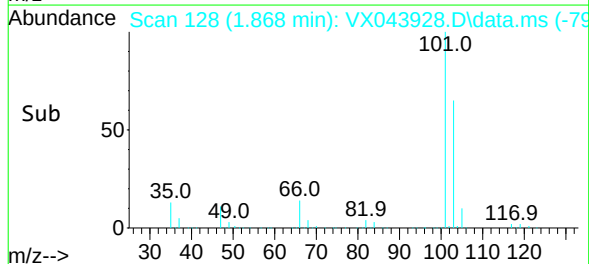
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050



Tgt Ion:101 Resp: 188045  
Ion Ratio Lower Upper  
101 100  
103 65.2 52.2 78.4

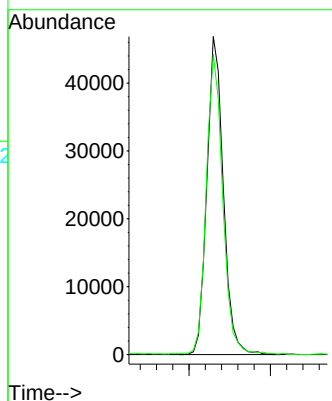
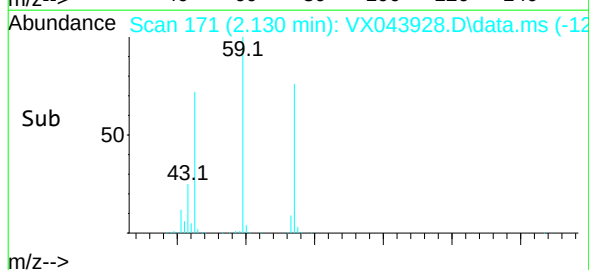
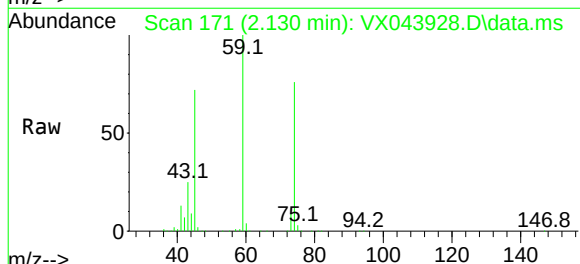
Manual Integrations  
APPROVED

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

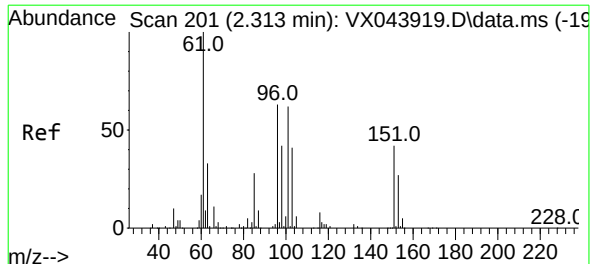


Diethyl Ether  
Concen: 69.383 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.006 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665  
Ion Ratio Lower Upper  
74 100  
45 95.7 49.9 149.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 61.367 ug/l

RT: 2.313 min Scan# 201

Delta R.T. 0.000 min

Lab File: VX043928.D

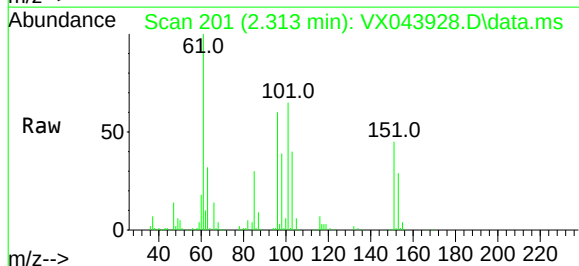
Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

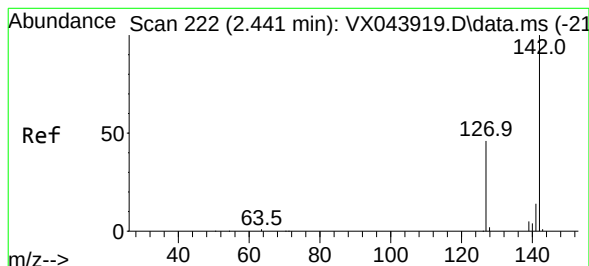
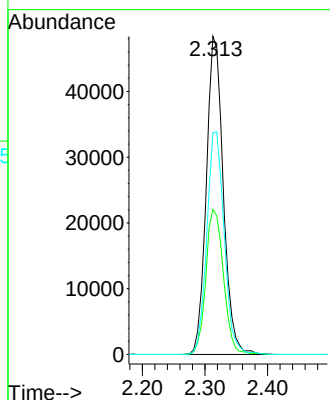
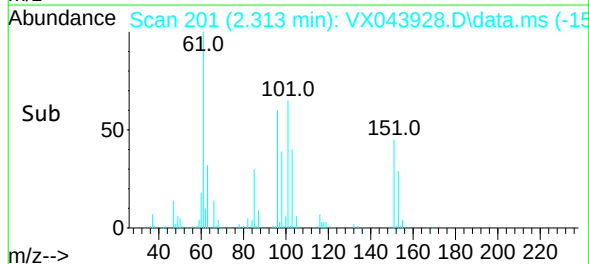
VSTDICCC050



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 101   | Resp: | 91167 |
| Ion      | Ratio | Lower | Upper |
| 101      | 100   |       |       |
| 85       | 47.4  | 36.6  | 54.8  |
| 151      | 71.9  | 59.8  | 89.6  |

Manual Integrations  
APPROVED

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



#10

Methyl Iodide

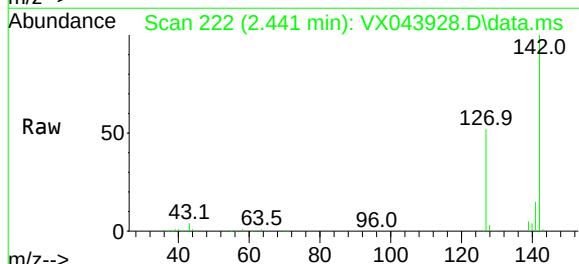
Concen: 53.608 ug/l

RT: 2.441 min Scan# 222

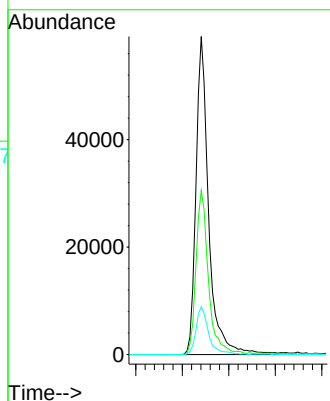
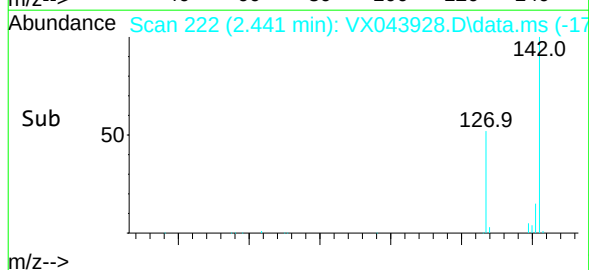
Delta R.T. 0.000 min

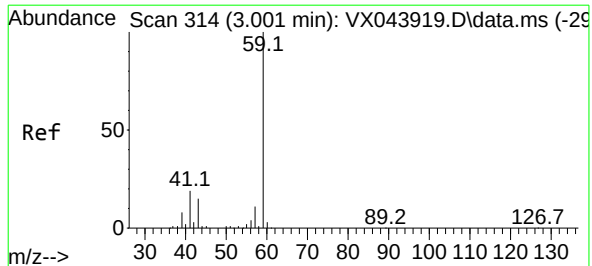
Lab File: VX043928.D

Acq: 21 Nov 2024 11:17



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 112083 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 50.9  | 37.3  | 55.9   |
| 141      | 15.0  | 11.4  | 17.2   |





#11

Tert butyl alcohol

Concen: 295.821 ug/l

RT: 2.995 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 59 Resp: 100130

Ion Ratio Lower Upper

59 100

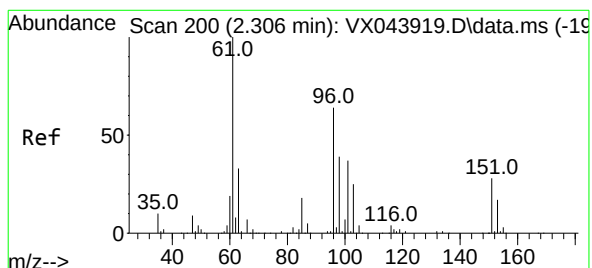
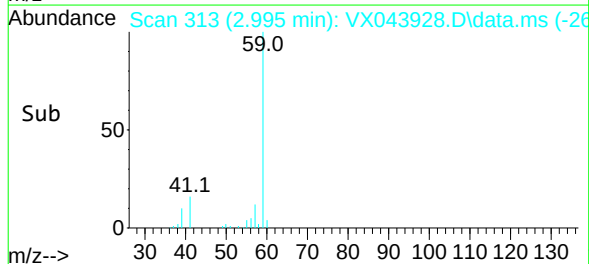
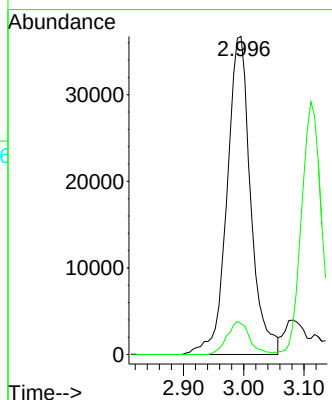
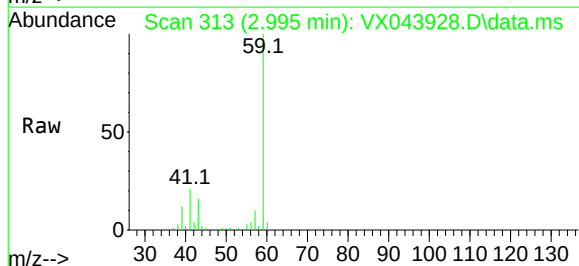
57 9.9 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 57.625 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

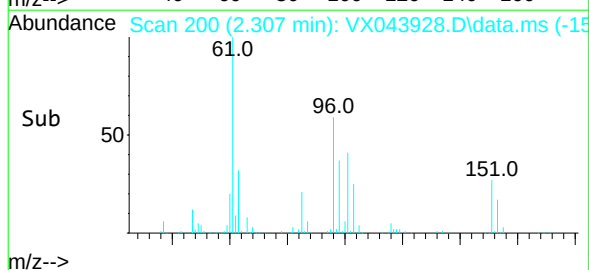
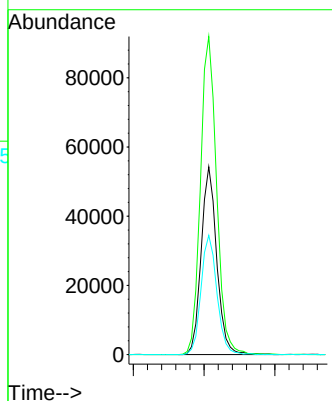
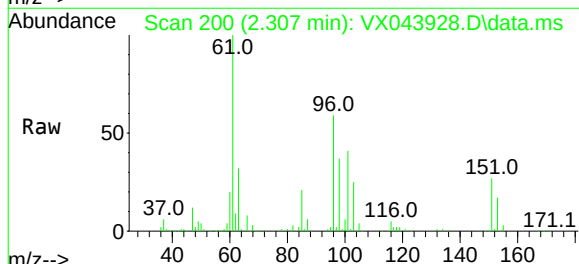
Tgt Ion: 96 Resp: 83087

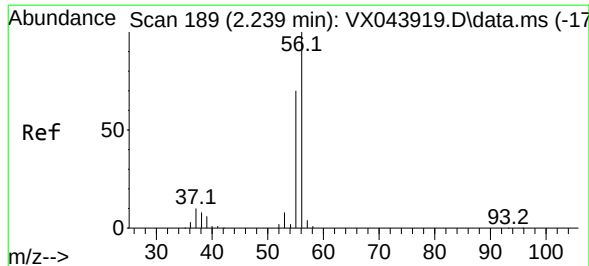
Ion Ratio Lower Upper

96 100

61 169.4 124.6 187.0

98 63.5 49.0 73.6





#13

Acrolein

Concen: 265.136 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 100647

Ion Ratio Lower Upper

56 100

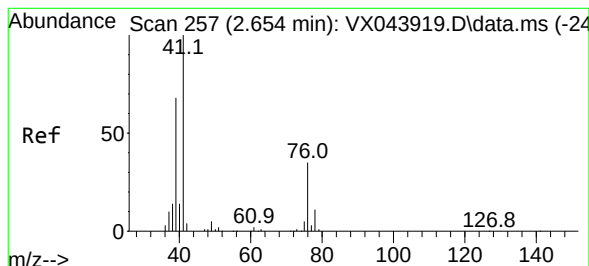
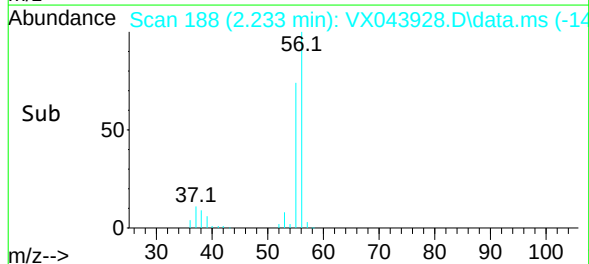
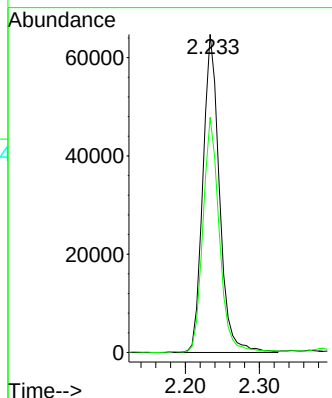
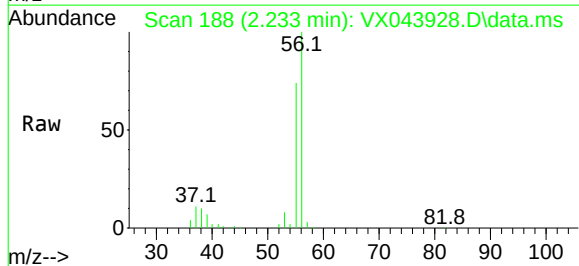
55 72.7 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 61.883 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

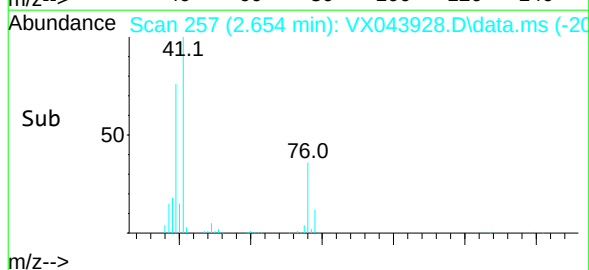
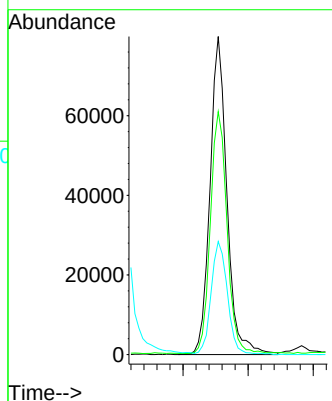
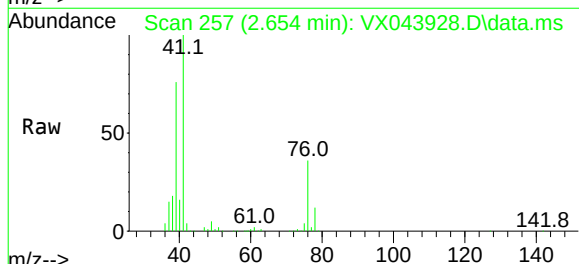
Tgt Ion: 41 Resp: 144663

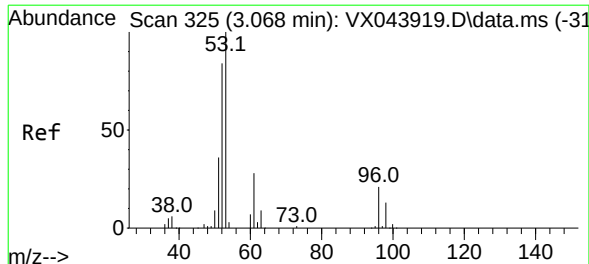
Ion Ratio Lower Upper

41 100

39 74.4 51.7 77.5

76 34.3 28.2 42.2





#15

Acrylonitrile

Concen: 294.373 ug/l

RT: 3.063 min Scan# 32

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

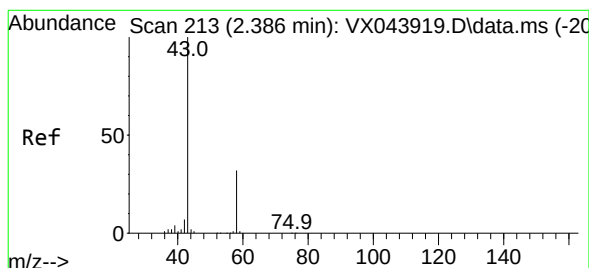
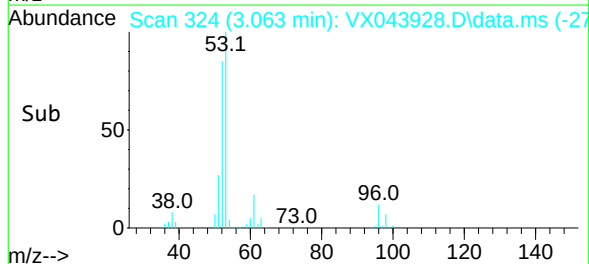
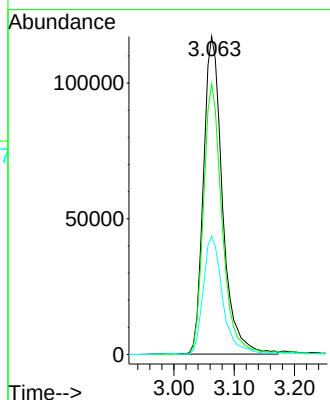
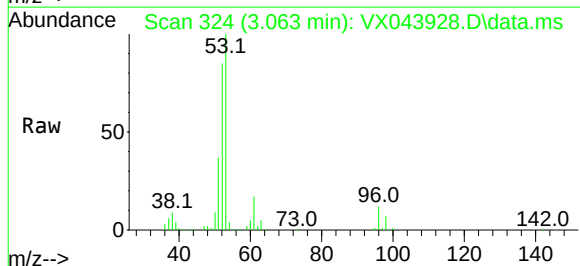
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 256493 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 83.1  | 65.8  | 98.8   |
| 51       | 37.8  | 28.6  | 42.8   |

Manual Integrations  
APPROVED

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



#16

Acetone

Concen: 344.605 ug/l

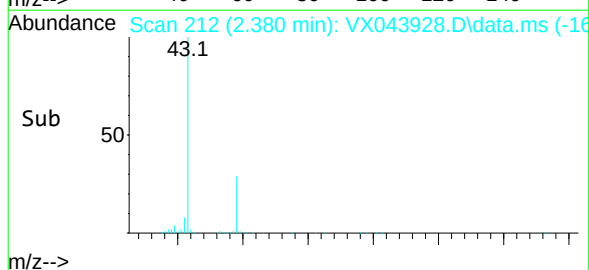
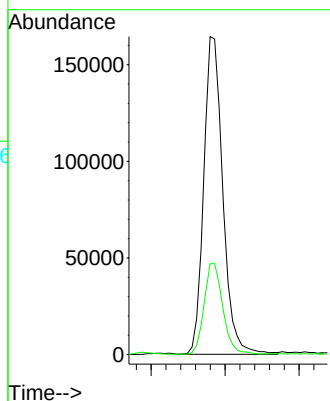
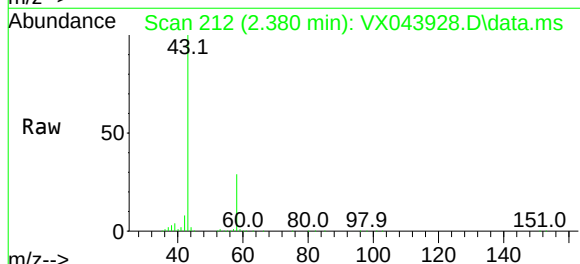
RT: 2.380 min Scan# 212

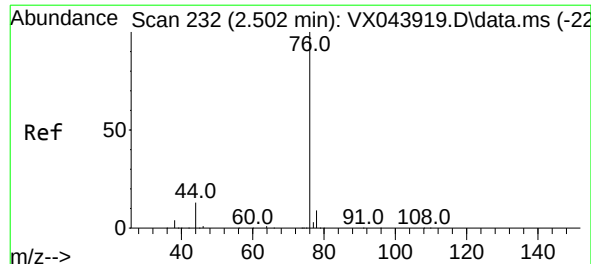
Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 294611 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 28.4  | 25.8  | 38.6   |





#17

Carbon Disulfide

Concen: 56.633 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 178294

Ion Ratio Lower Upper

76 100

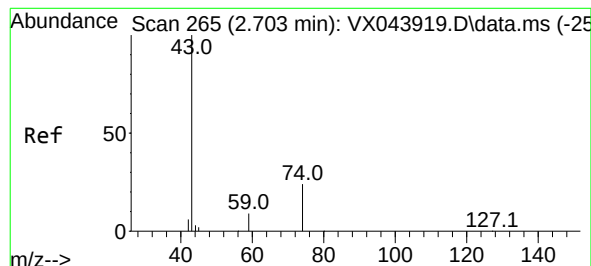
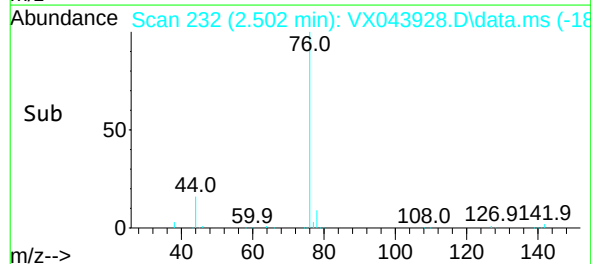
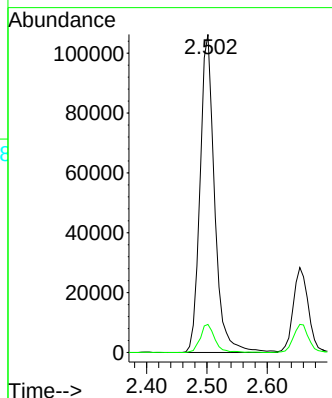
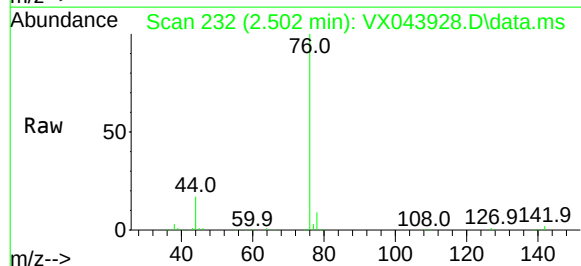
78 8.8 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 58.404 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX043928.D

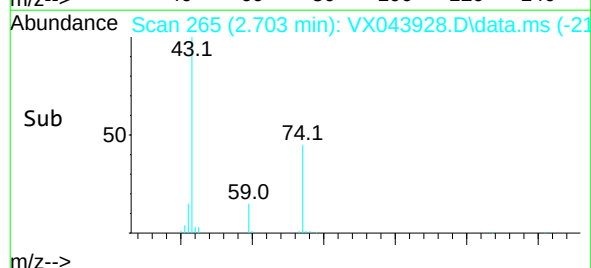
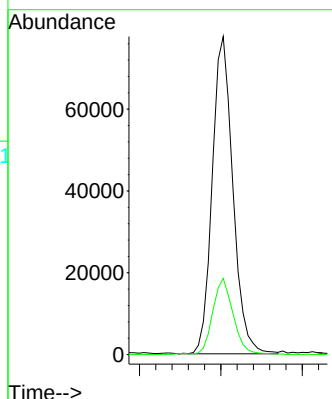
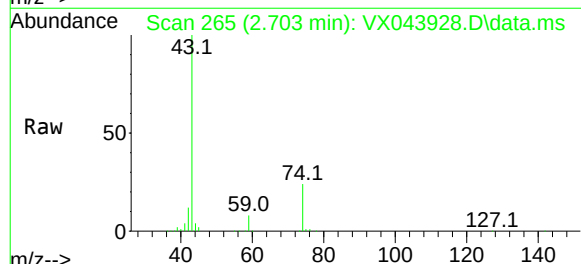
Acq: 21 Nov 2024 11:17

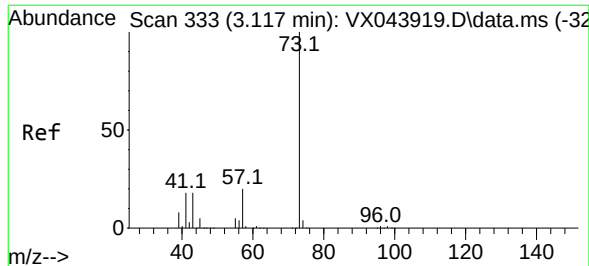
Tgt Ion: 43 Resp: 136735

Ion Ratio Lower Upper

43 100

74 23.6 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 58.872 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 73 Resp: 313754

Ion Ratio Lower Upper

73 100

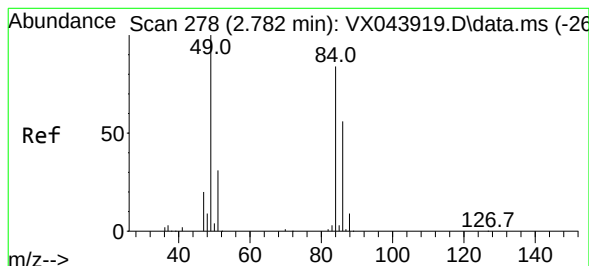
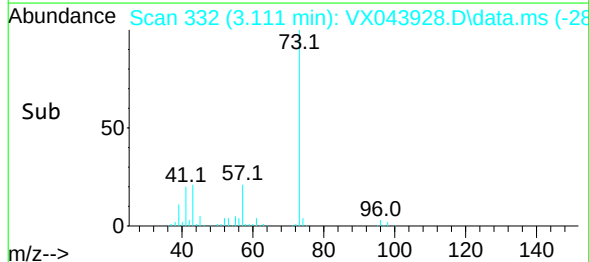
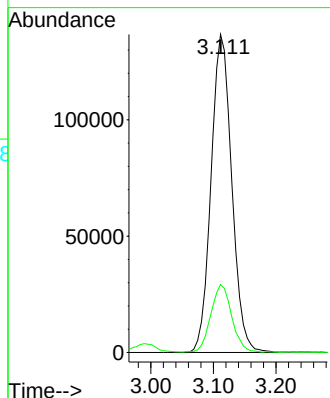
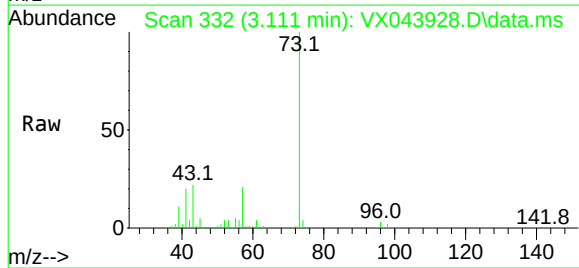
57 21.3 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 51.676 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

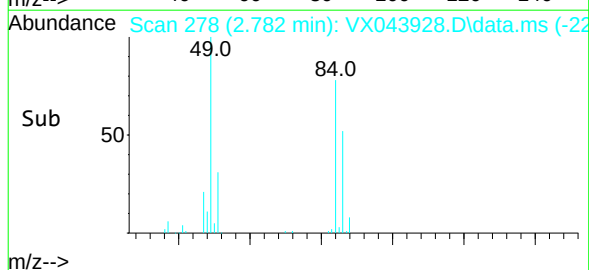
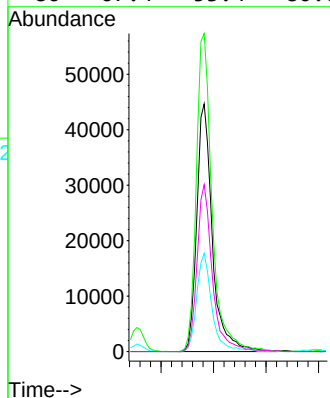
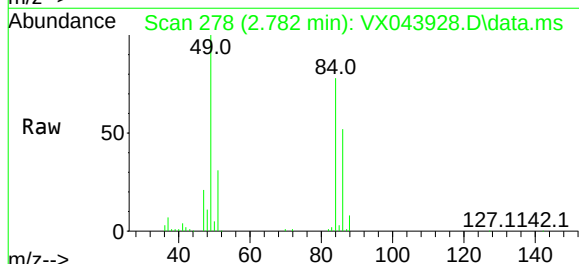
Ion Ratio Lower Upper

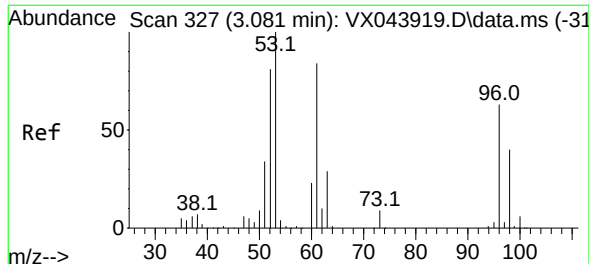
84 100

49 128.4 95.1 142.7

51 39.6 29.2 43.8

86 67.4 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 55.825 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 96 Resp: 87752

Ion Ratio Lower Upper

96 100

61 139.7 106.4 159.6

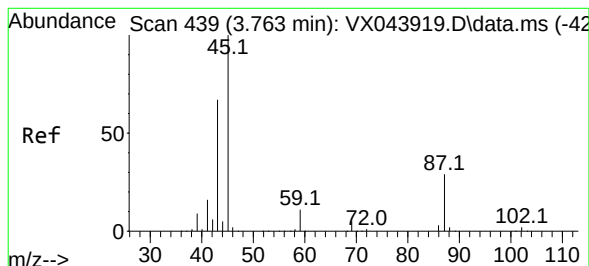
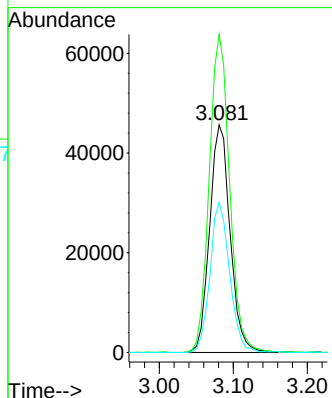
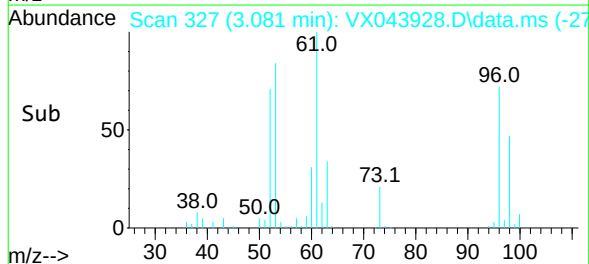
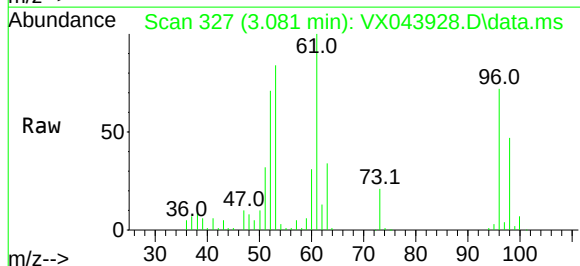
98 65.9 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 58.668 ug/l

RT: 3.758 min Scan# 438

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631

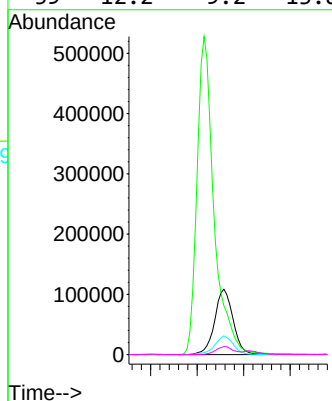
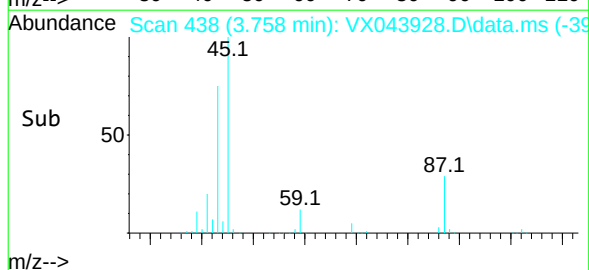
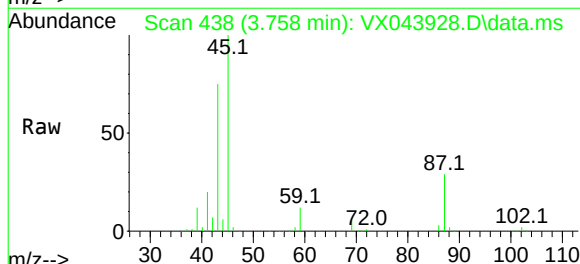
Ion Ratio Lower Upper

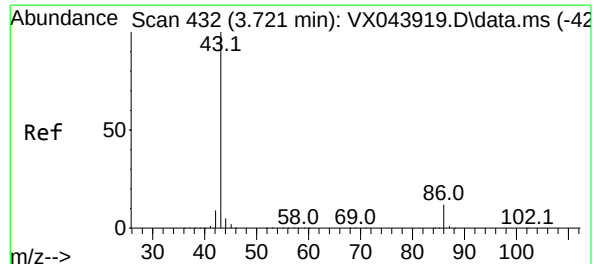
45 100

43 74.5 53.8 80.6

87 28.6 23.4 35.2

59 12.2 9.2 13.8





#23

Vinyl Acetate

Concen: 324.875 ug/l

RT: 3.715 min Scan# 43

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 1344876

Ion Ratio Lower Upper

43 100

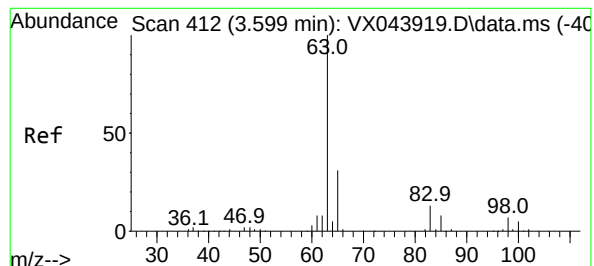
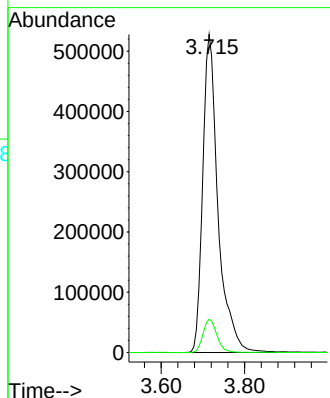
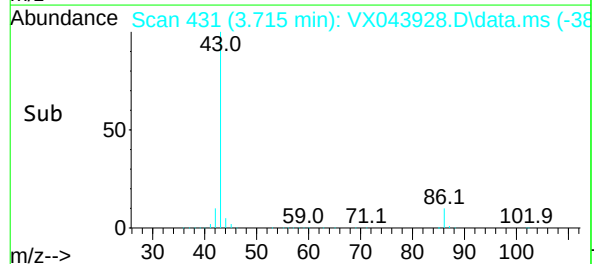
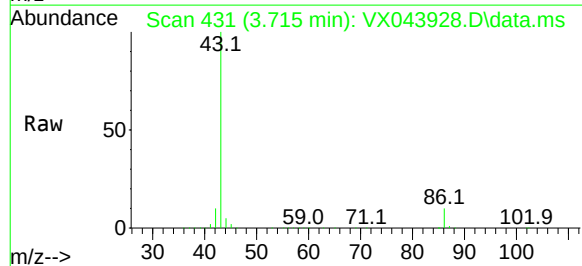
86 10.4 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 57.932 ug/l

RT: 3.599 min Scan# 412

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

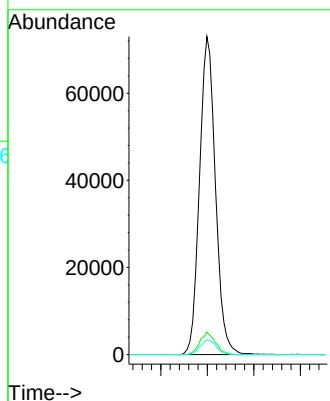
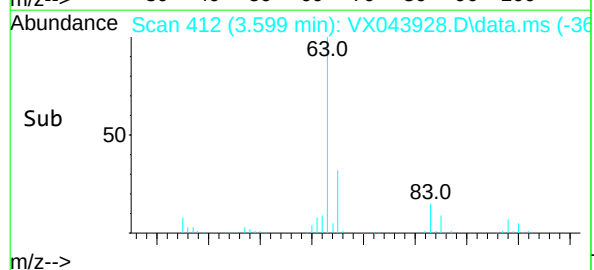
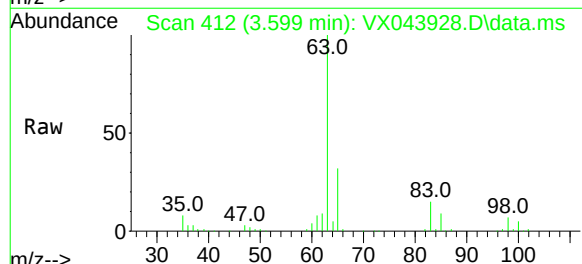
Tgt Ion: 63 Resp: 174008

Ion Ratio Lower Upper

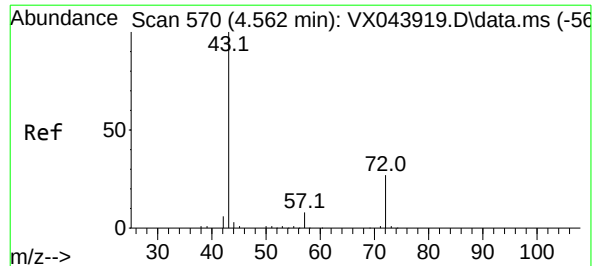
63 100

98 7.1 3.7 11.1

100 4.7 2.4 7.2







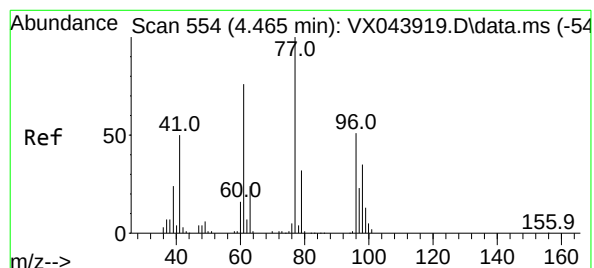
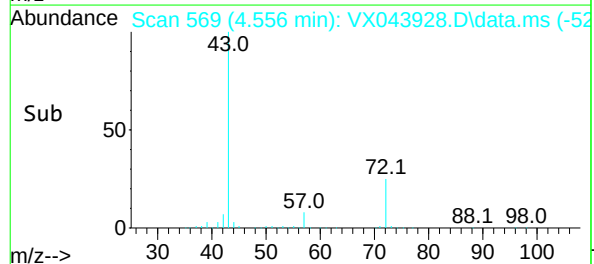
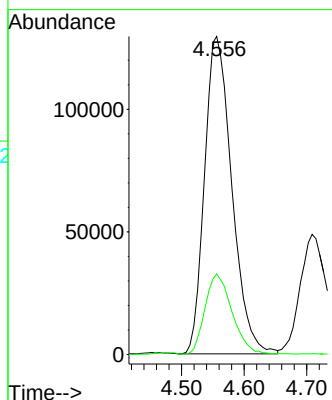
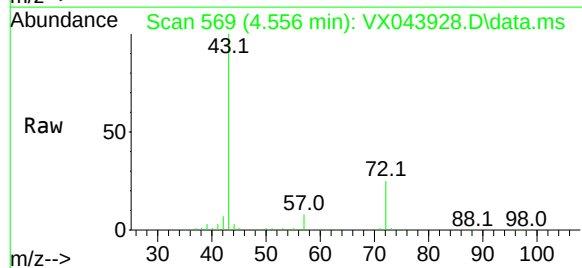
#25  
2-Butanone  
Concen: 328.247 ug/l  
RT: 4.556 min Scan# 569  
Delta R.T. -0.006 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 43 Resp: 392575  
Ion Ratio Lower Upper  
43 100  
72 25.2 21.3 31.9

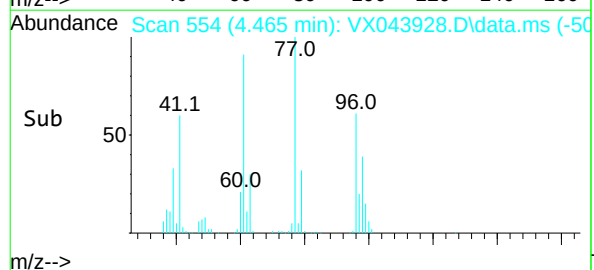
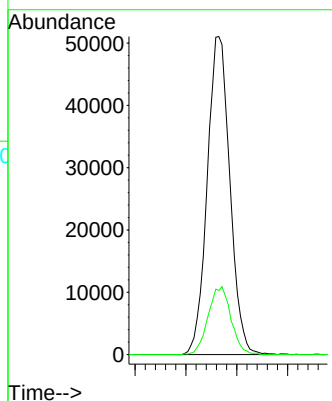
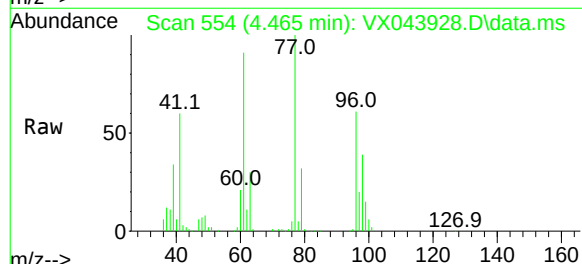
Manual Integrations  
APPROVED

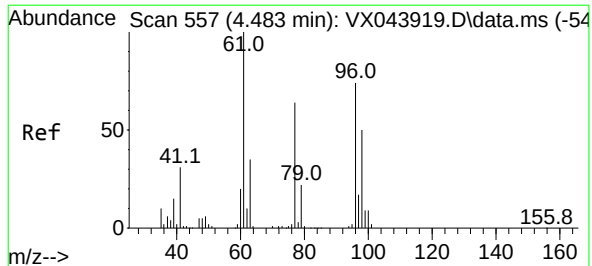
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#26  
2,2-Dichloropropane  
Concen: 64.072 ug/l  
RT: 4.465 min Scan# 554  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151  
Ion Ratio Lower Upper  
77 100  
97 21.5 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 56.100 ug/l

RT: 4.477 min Scan# 55

Delta R.T. -0.006 min

Lab File: VX043928.D

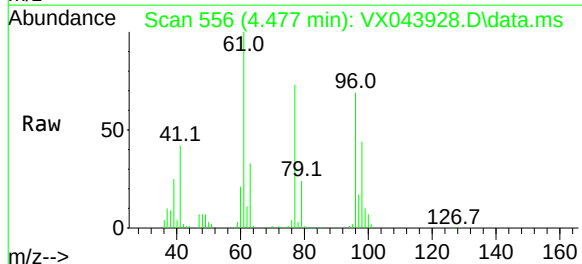
Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050



Tgt Ion: 96 Resp: 109742

Ion Ratio Lower Upper

96 100

61 148.7 0.0 279.4

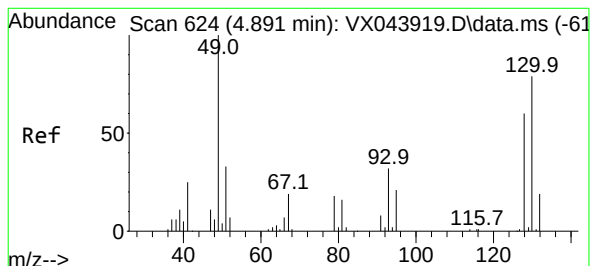
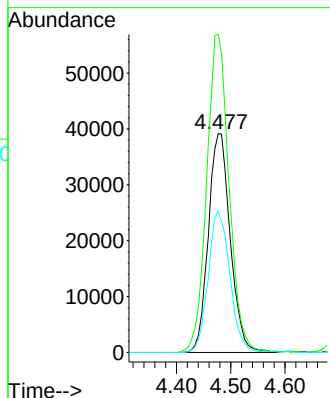
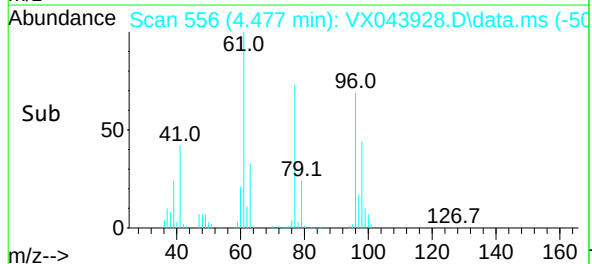
98 63.9 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 49.360 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

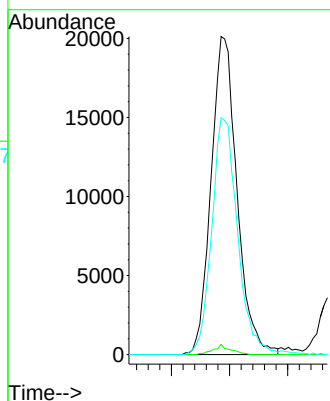
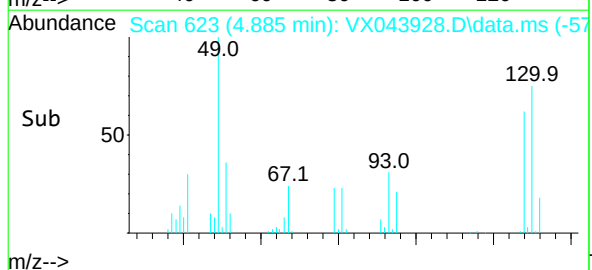
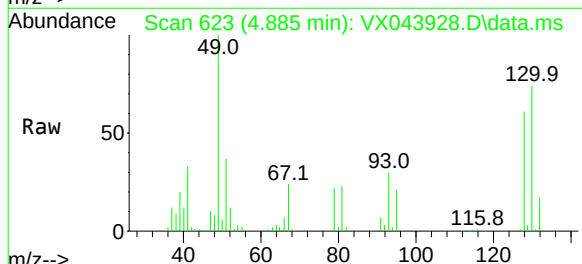
Tgt Ion: 49 Resp: 62386

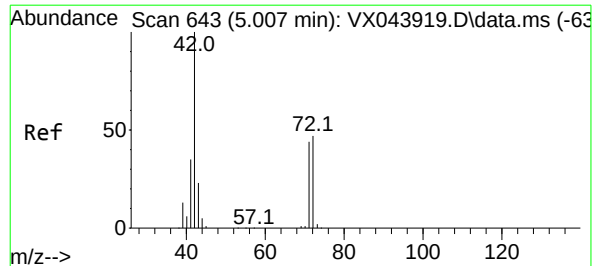
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 73.8 68.2 102.2





#29

Tetrahydrofuran

Concen: 303.060 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 42 Resp: 234208

Ion Ratio Lower Upper

42 100

72 45.5 37.9 56.9

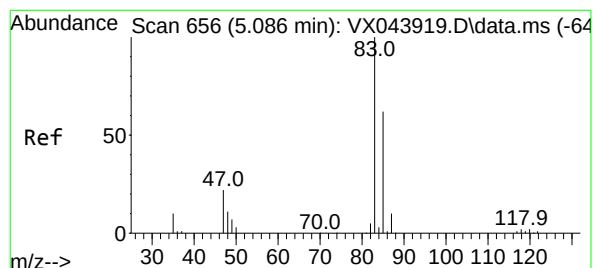
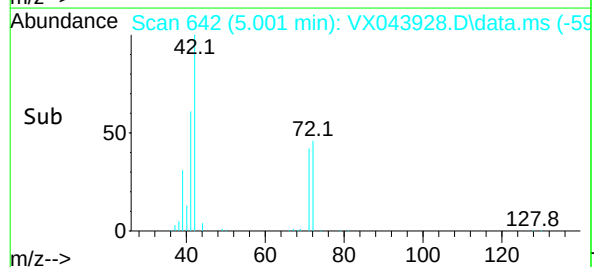
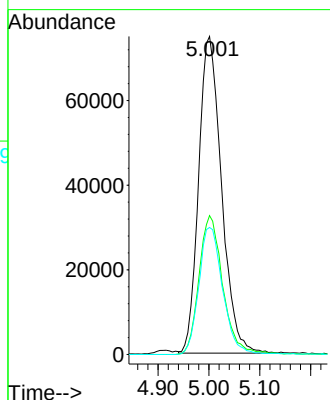
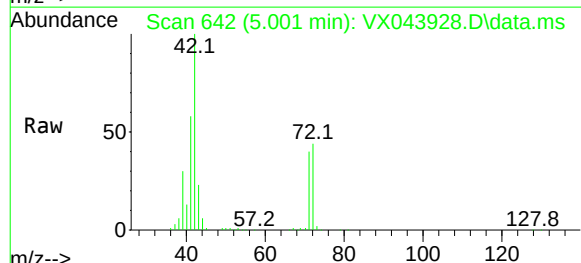
71 41.7 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 58.257 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX043928.D

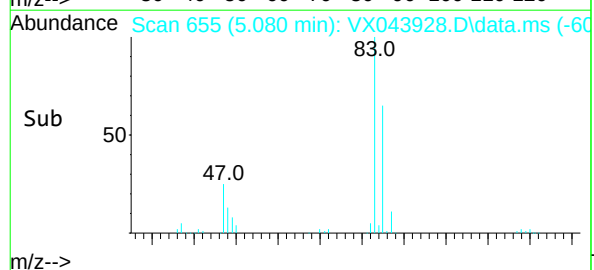
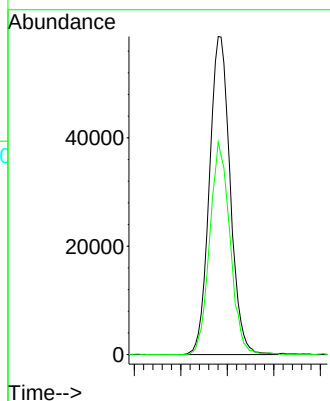
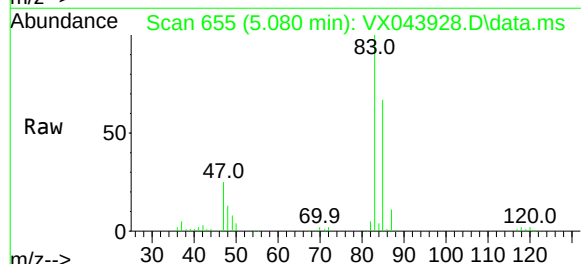
Acq: 21 Nov 2024 11:17

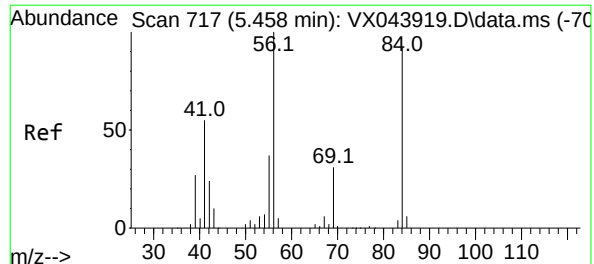
Tgt Ion: 83 Resp: 182404

Ion Ratio Lower Upper

83 100

85 66.9 49.7 74.5





#31

Cyclohexane

Concen: 59.242 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 56 Resp: 144224

Ion Ratio Lower Upper

56 100

69 30.9 24.9 37.3

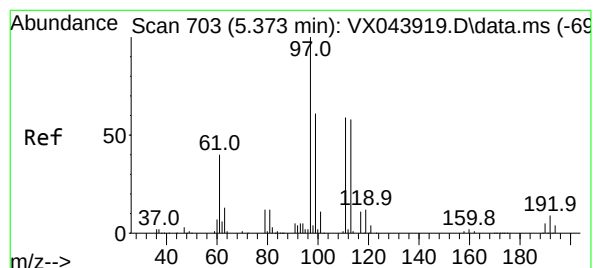
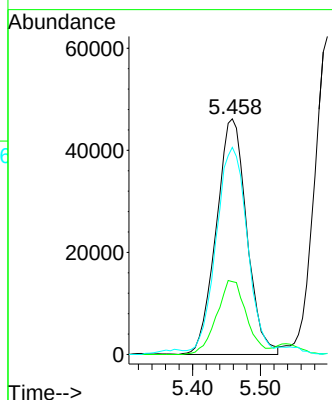
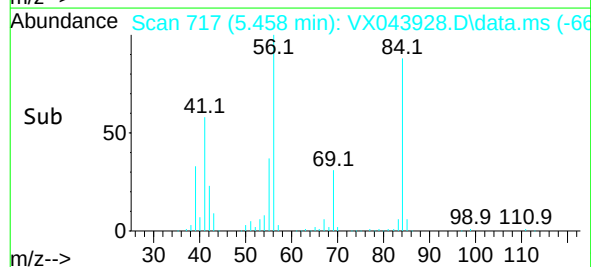
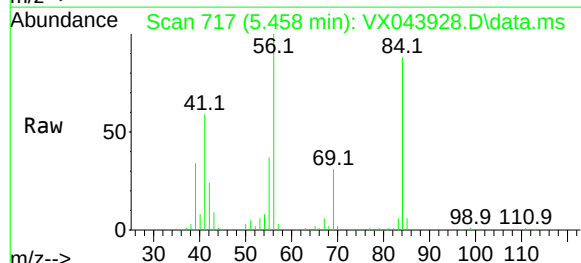
84 85.9 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 61.280 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

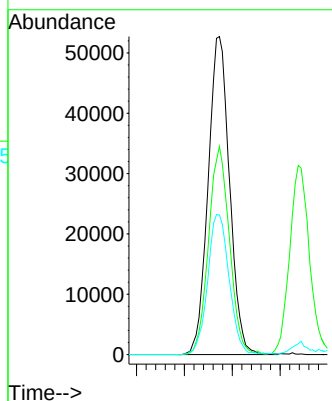
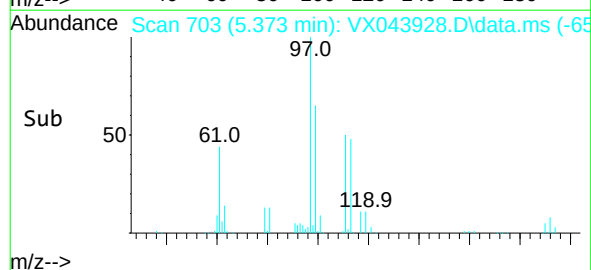
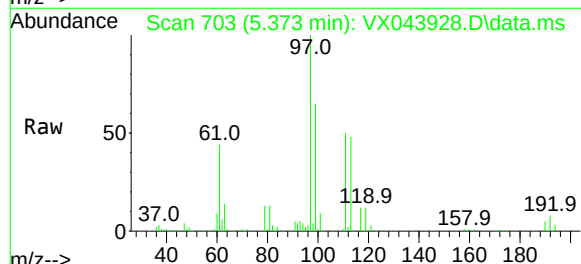
Tgt Ion: 97 Resp: 164023

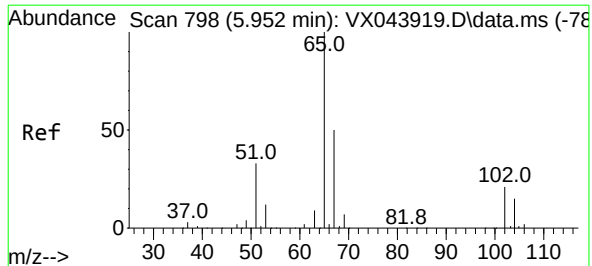
Ion Ratio Lower Upper

97 100

99 63.5 51.2 76.8

61 44.3 32.9 49.3





#33

1,2-Dichloroethane-d4

Concen: 48.899 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 65 Resp: 104086

Ion Ratio Lower Upper

65 100

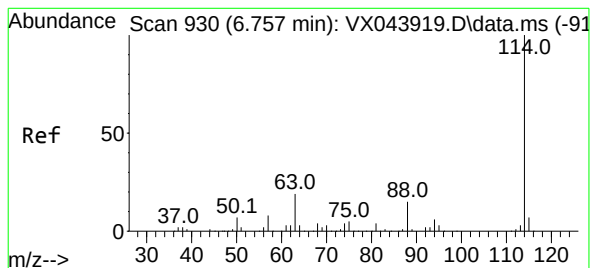
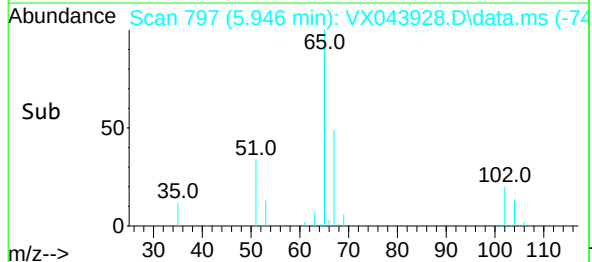
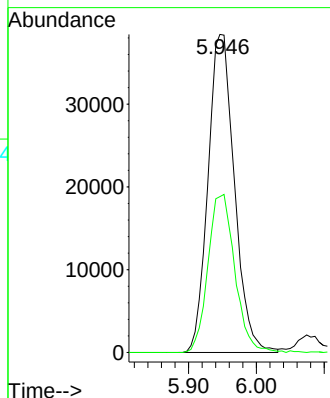
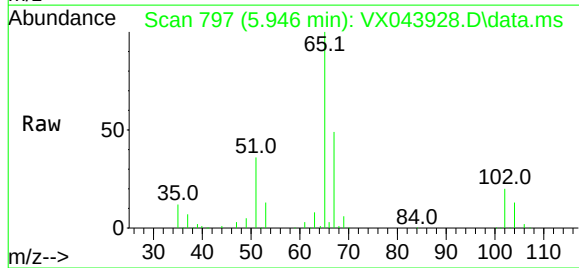
67 50.4 0.0 103.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

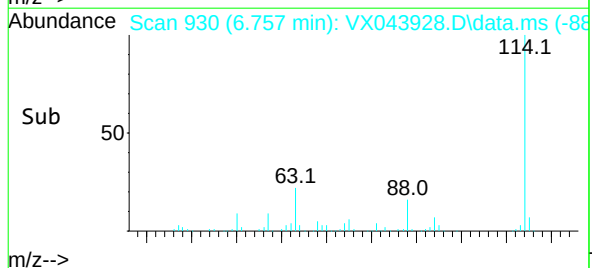
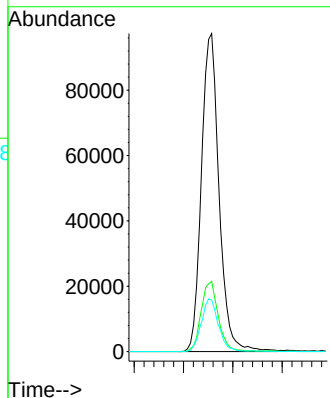
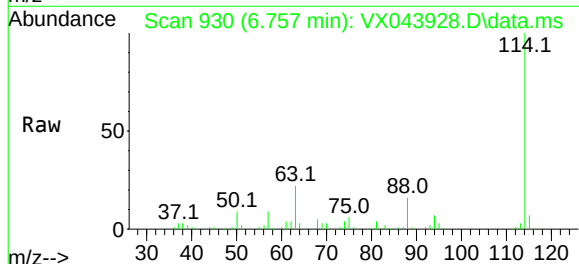
Tgt Ion:114 Resp: 241629

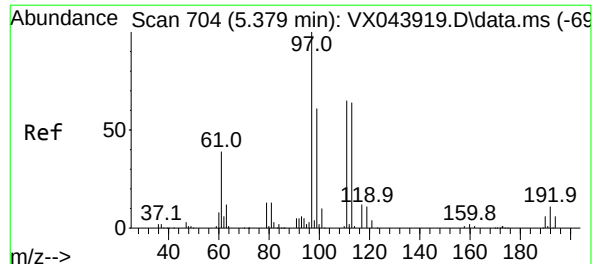
Ion Ratio Lower Upper

114 100

63 22.0 0.0 39.0

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 48.663 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

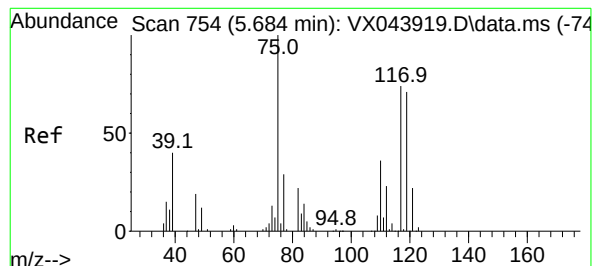
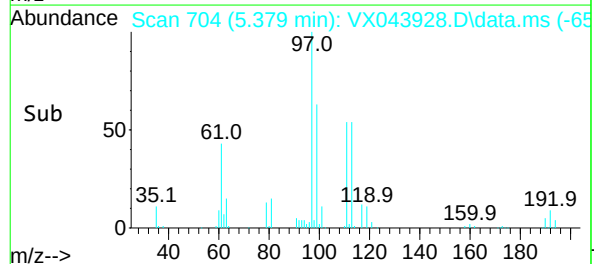
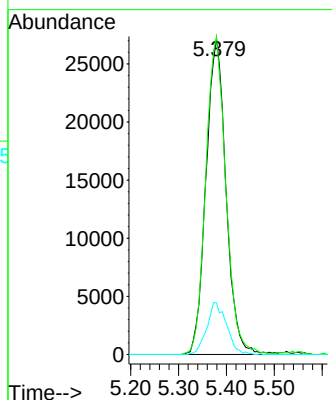
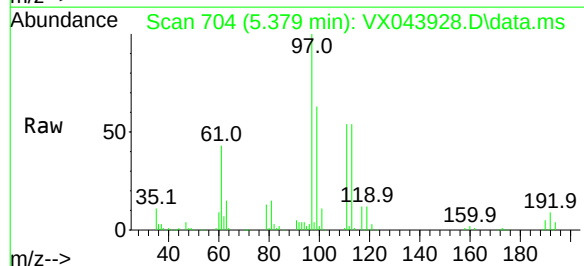
ClientSampleId :

VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 78954 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.2 | 81.0  | 121.6 |
| 192      | 16.3  | 14.2  | 21.2  |

Manual Integrations  
APPROVED

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



#36

1,1-Dichloropropene

Concen: 58.983 ug/l

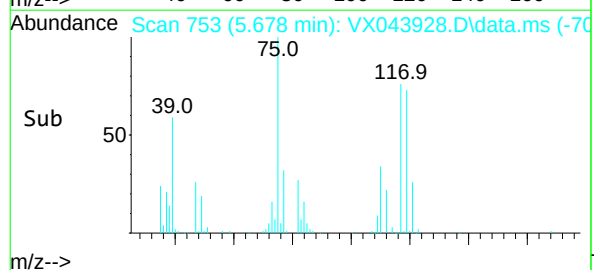
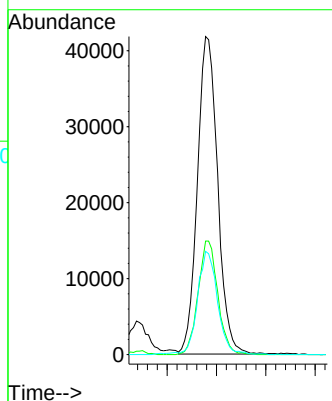
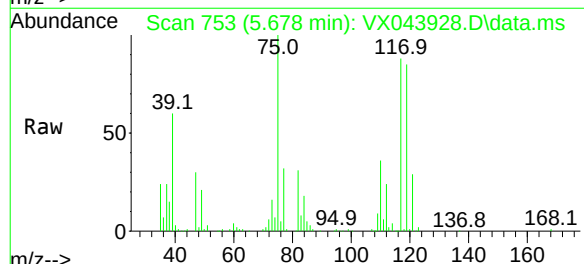
RT: 5.678 min Scan# 753

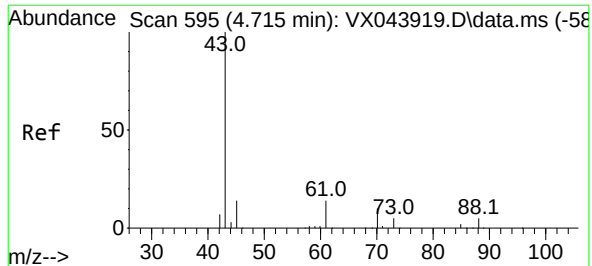
Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 119269 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 34.8  | 17.5  | 52.5   |
| 77       | 32.3  | 24.9  | 37.3   |





#37

Ethyl Acetate

Concen: 64.767 ug/l

RT: 4.709 min Scan# 59

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 147393

Ion Ratio Lower Upper

43 100

61 13.4 11.5 17.3

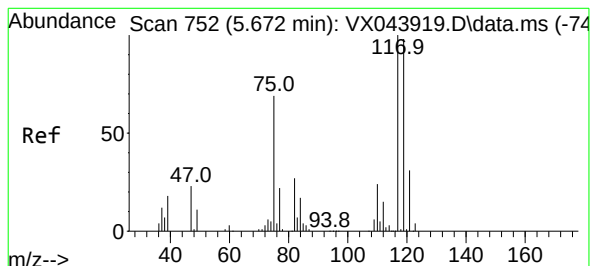
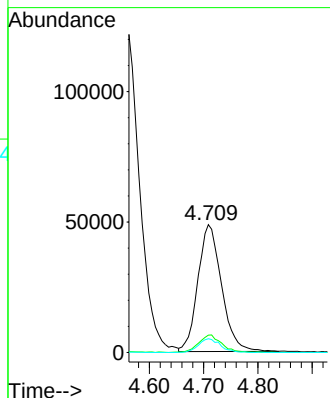
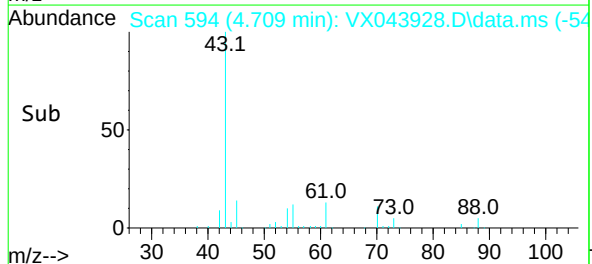
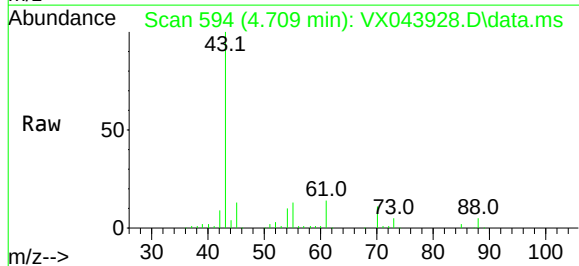
70 10.0 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 62.932 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

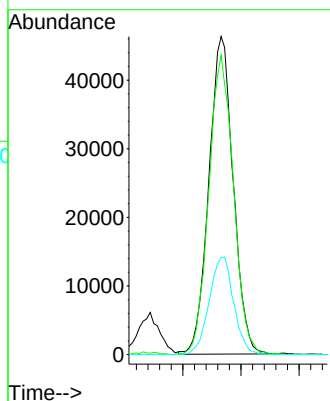
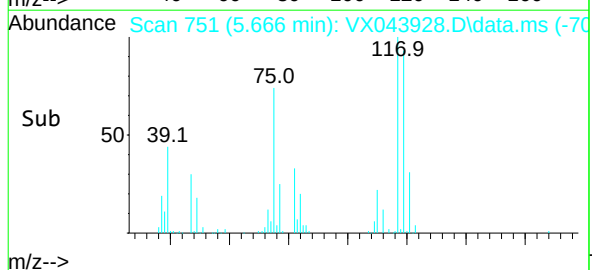
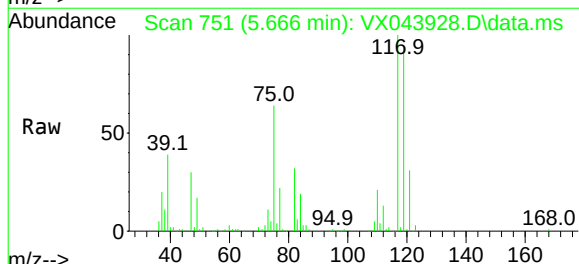
Tgt Ion:117 Resp: 134725

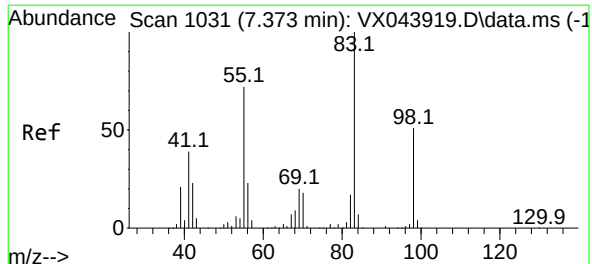
Ion Ratio Lower Upper

117 100

119 94.0 78.3 117.5

121 30.6 25.1 37.7





#39

Methylcyclohexane

Concen: 62.647 ug/l

RT: 7.373 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 158586

Ion Ratio Lower Upper

83 100

55 78.9 57.9 86.9

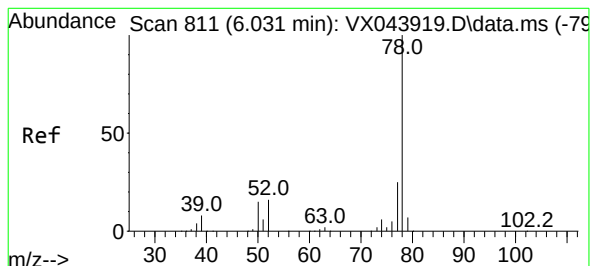
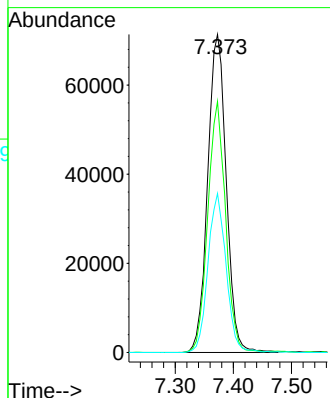
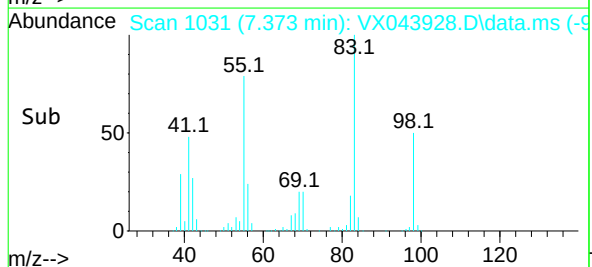
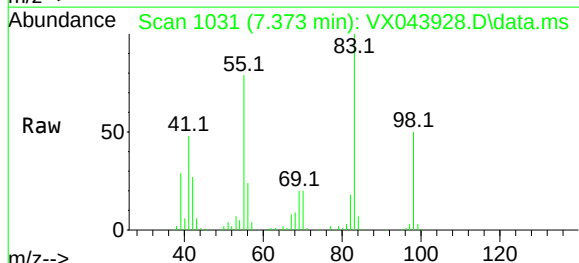
98 50.0 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 56.780 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX043928.D

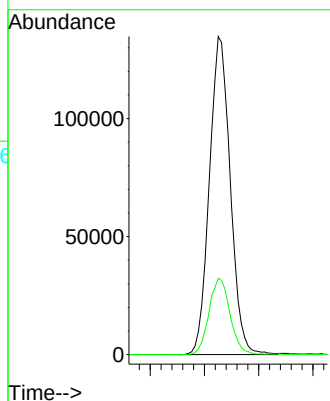
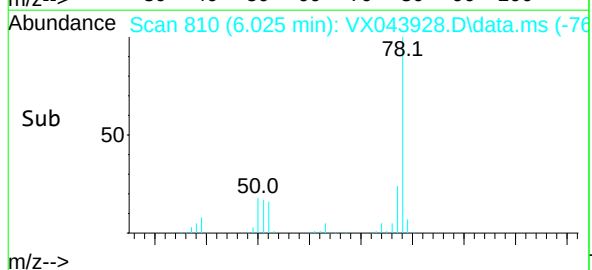
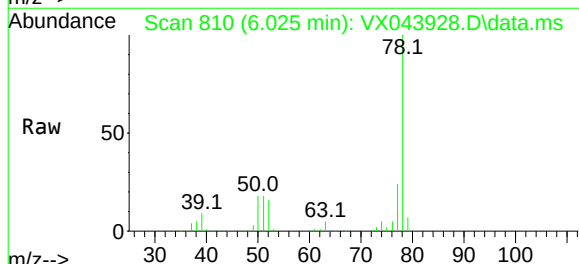
Acq: 21 Nov 2024 11:17

Tgt Ion: 78 Resp: 360978

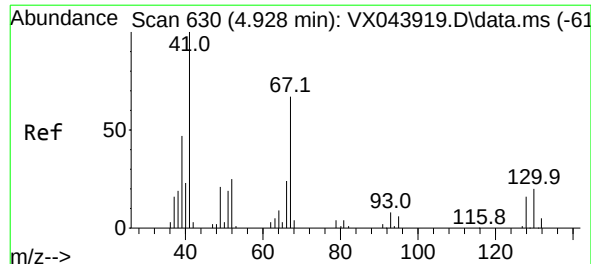
Ion Ratio Lower Upper

78 100

77 24.0 19.8 29.8







#41

Methacrylonitrile

Concen: 67.041 ug/l

RT: 4.916 min Scan# 62

Delta R.T. -0.012 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 41 Resp: 79507

Ion Ratio Lower Upper

41 100

39 52.1 41.2 61.8

67 69.8 60.3 90.5

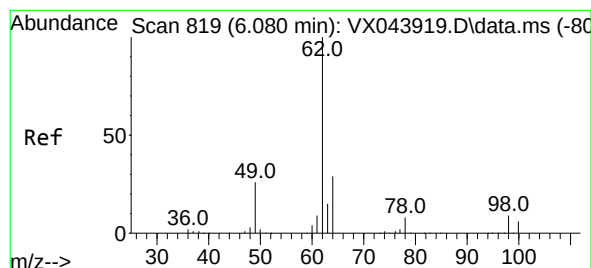
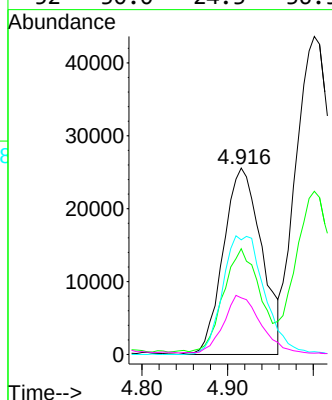
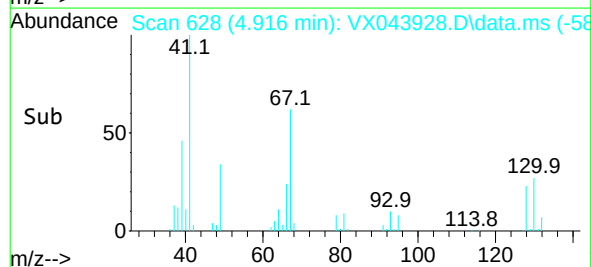
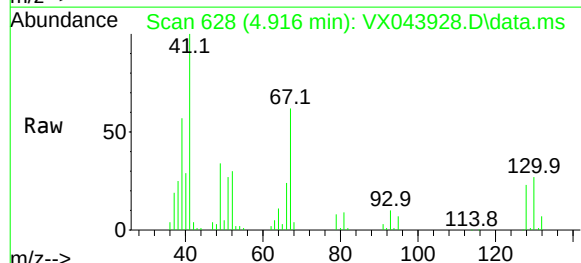
52 30.0 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 63.109 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.006 min

Lab File: VX043928.D

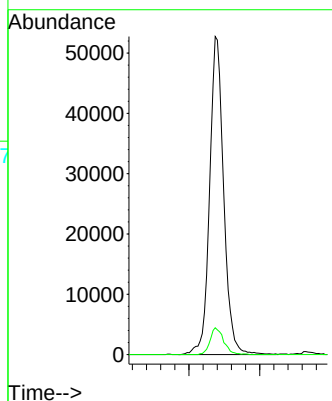
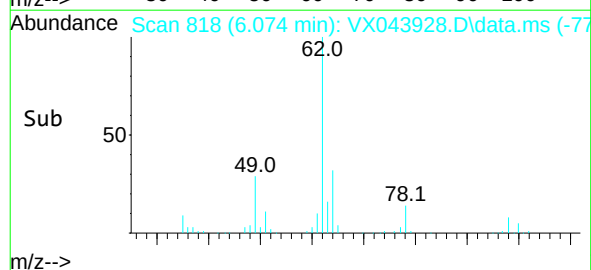
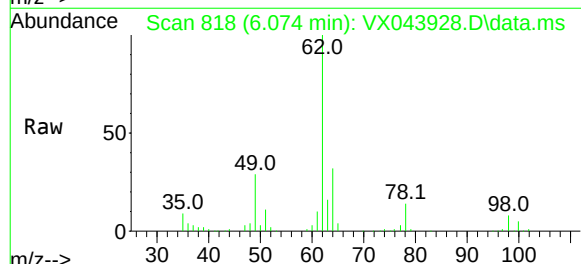
Acq: 21 Nov 2024 11:17

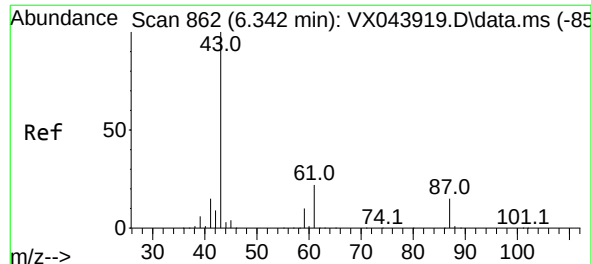
Tgt Ion: 62 Resp: 145681

Ion Ratio Lower Upper

62 100

98 8.2 0.0 18.6





#43

Isopropyl Acetate

Concen: 65.697 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 235856

Ion Ratio Lower Upper

43 100

61 18.1 16.9 25.3

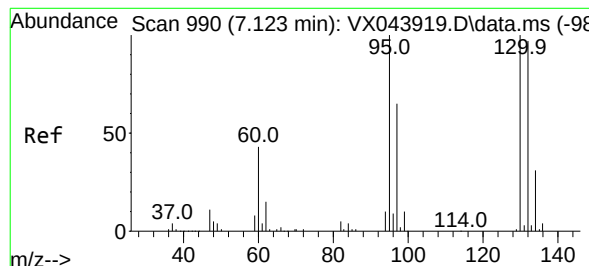
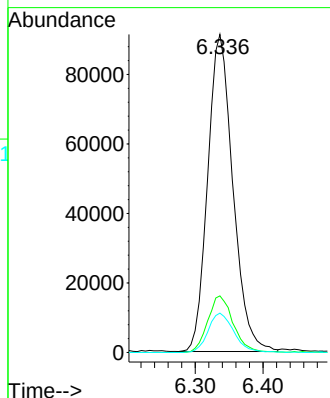
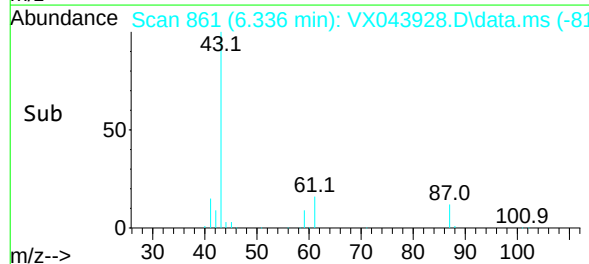
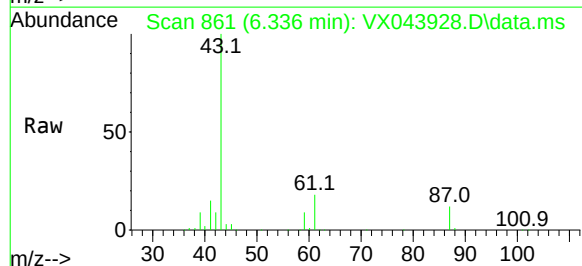
87 12.7 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 51.360 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX043928.D

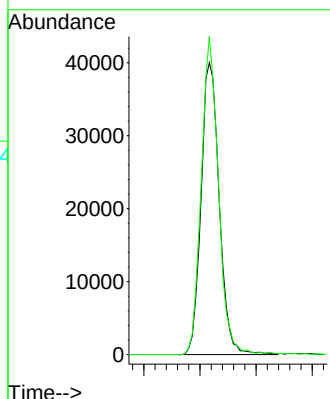
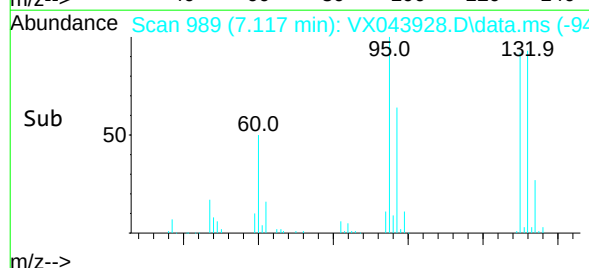
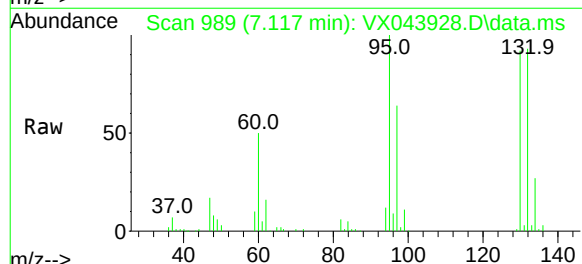
Acq: 21 Nov 2024 11:17

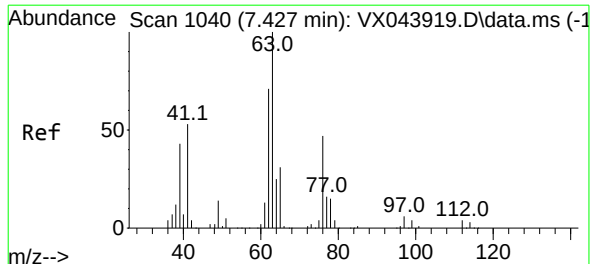
Tgt Ion:130 Resp: 90015

Ion Ratio Lower Upper

130 100

95 108.9 0.0 200.8





#45

1,2-Dichloropropane

Concen: 57.459 ug/l

RT: 7.422 min Scan# 10

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 63 Resp: 89529

Ion Ratio Lower Upper

63 100

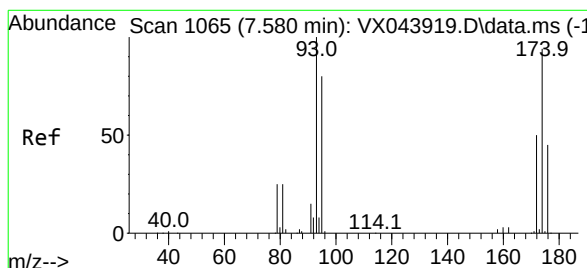
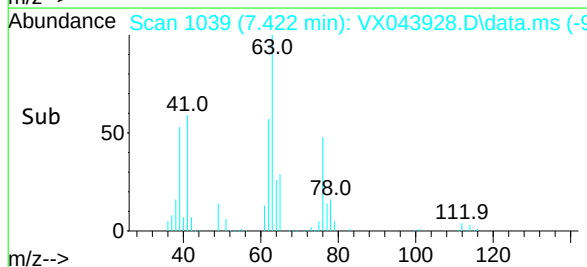
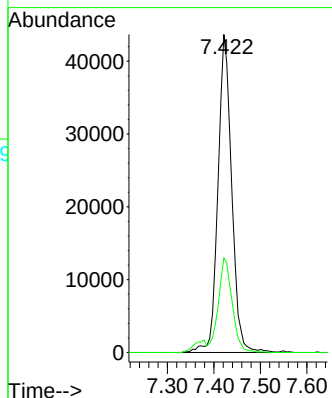
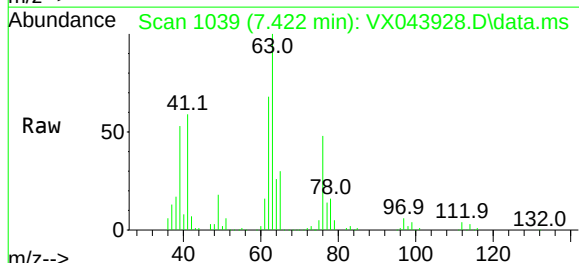
65 29.7 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 60.196 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

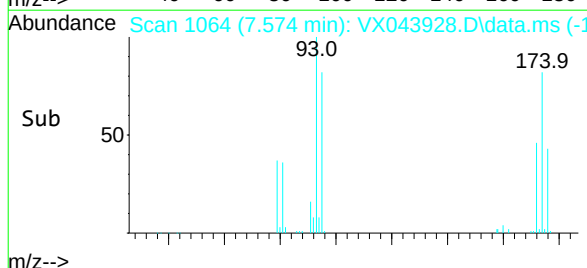
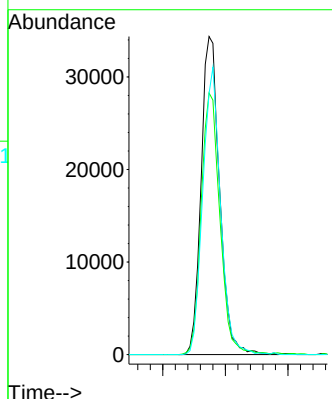
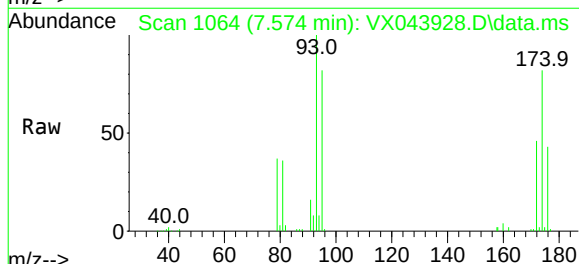
Tgt Ion: 93 Resp: 70679

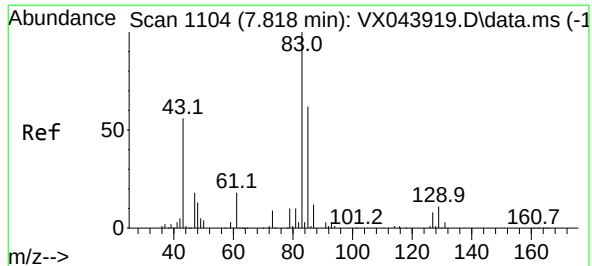
Ion Ratio Lower Upper

93 100

95 82.8 66.1 99.1

174 87.0 75.2 112.8





#47

Bromodichloromethane

Concen: 63.678 ug/l

RT: 7.818 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 83 Resp: 131365

Ion Ratio Lower Upper

83 100

85 64.2 49.4 74.0

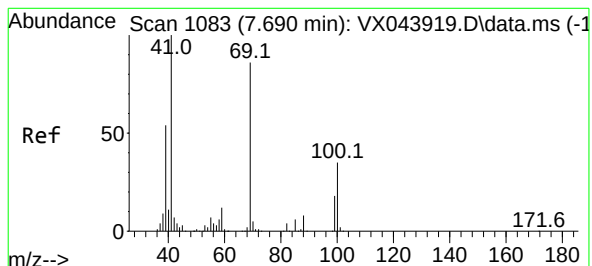
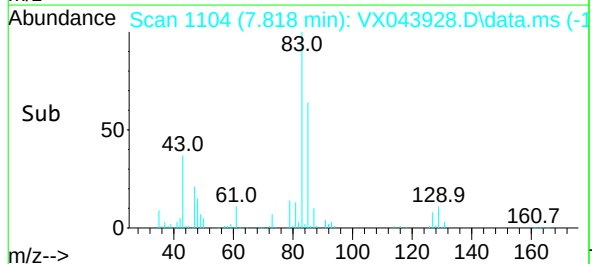
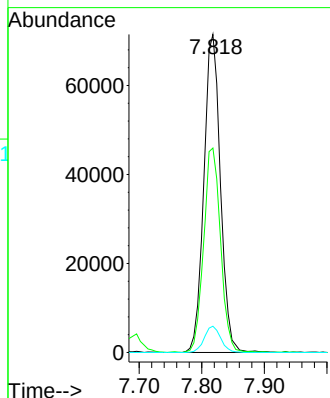
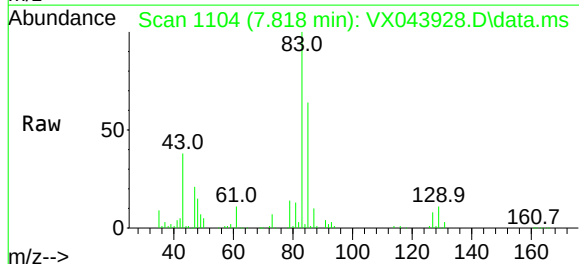
127 8.3 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 63.393 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

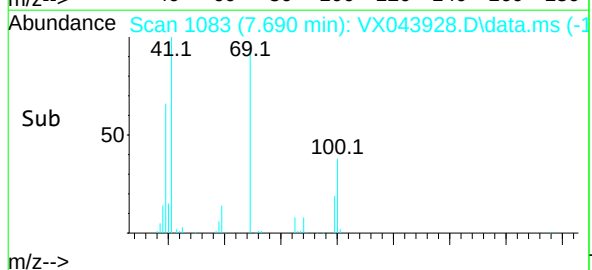
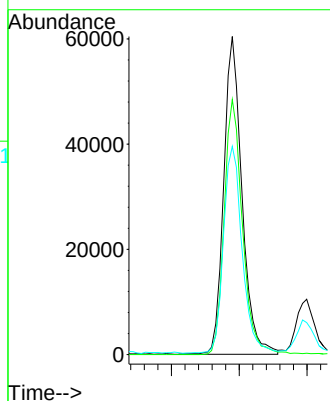
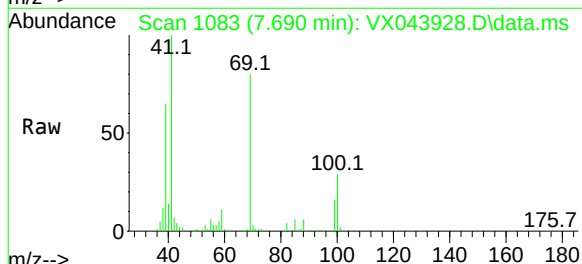
Tgt Ion: 41 Resp: 112803

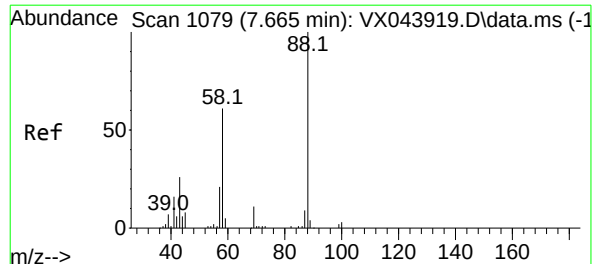
Ion Ratio Lower Upper

41 100

69 80.8 72.1 108.1

39 66.6 43.8 65.8#





#49

1,4-Dioxane

Concen: 881.301 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 88 Resp: 33402

Ion Ratio Lower Upper

88 100

43 39.5 17.4 26.0

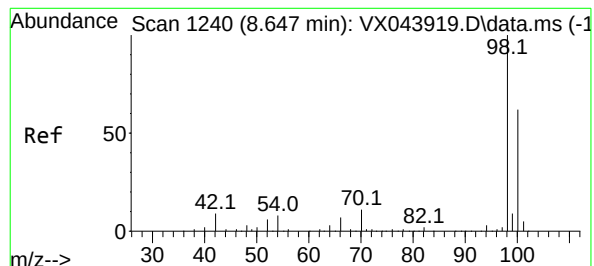
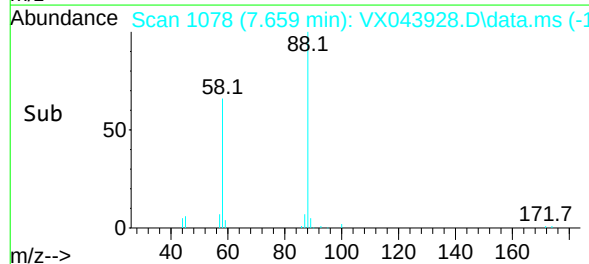
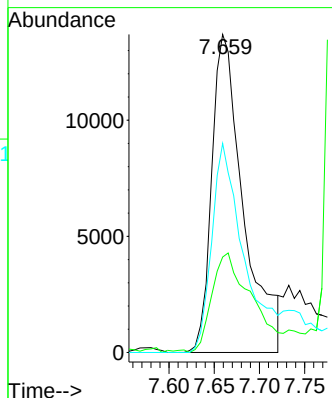
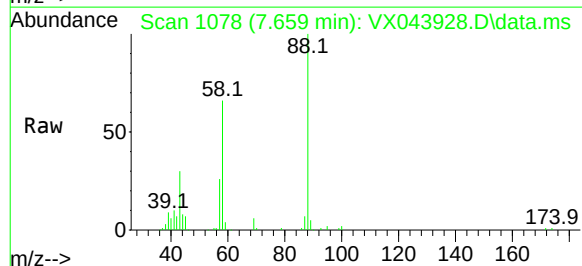
58 66.8 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 49.194 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.006 min

Lab File: VX043928.D

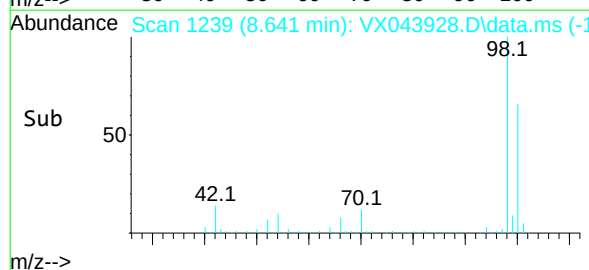
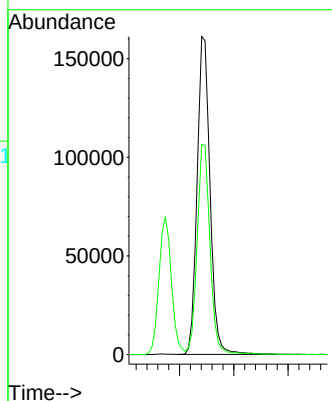
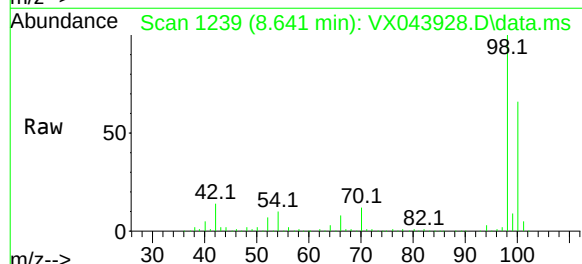
Acq: 21 Nov 2024 11:17

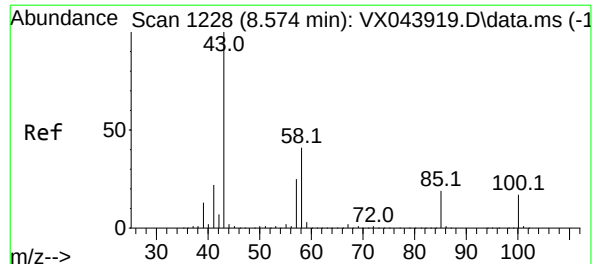
Tgt Ion: 98 Resp: 266650

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 327.265 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 732582

Ion Ratio Lower Upper

43 100

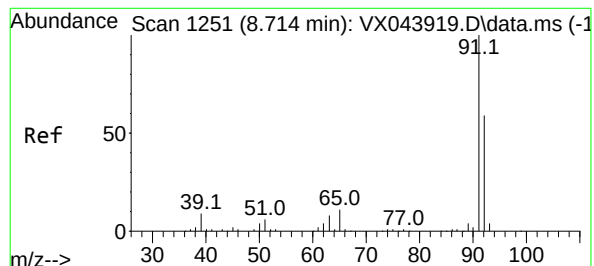
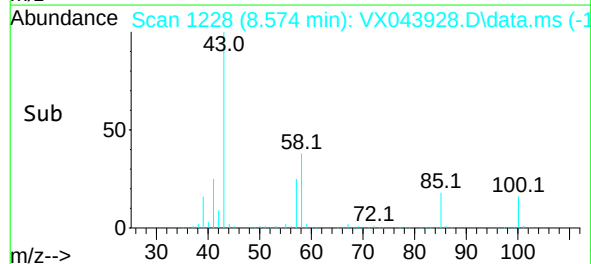
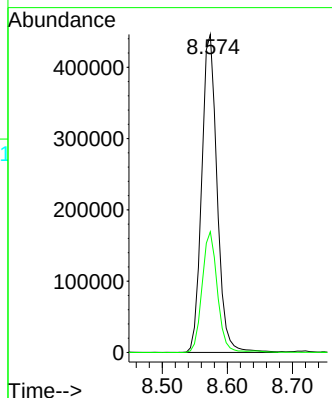
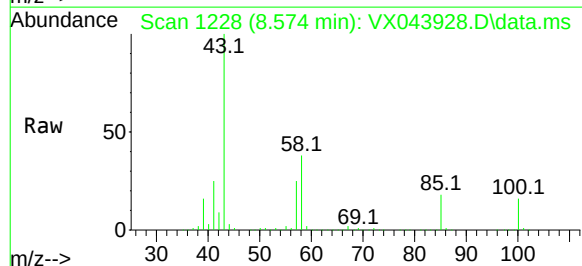
58 37.5 32.4 48.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 60.664 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043928.D

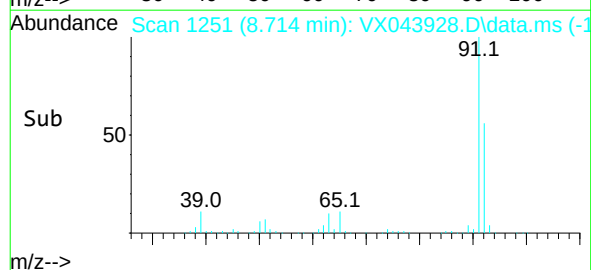
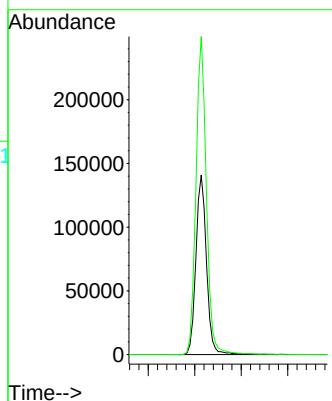
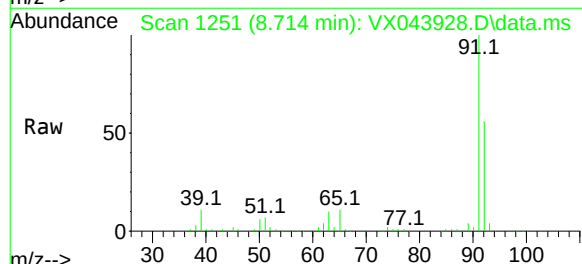
Acq: 21 Nov 2024 11:17

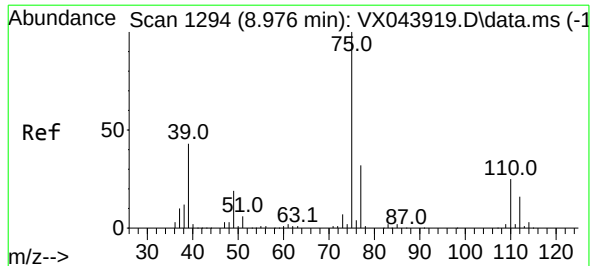
Tgt Ion: 92 Resp: 222500

Ion Ratio Lower Upper

92 100

91 174.6 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 65.667 ug/l

RT: 8.976 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 75 Resp: 137451

Ion Ratio Lower Upper

75 100

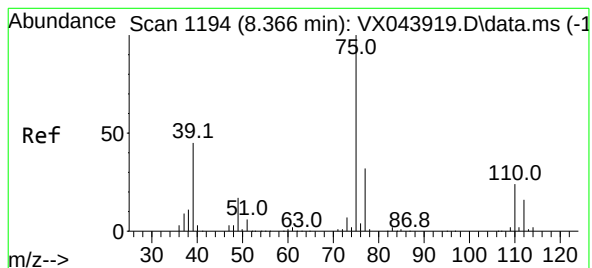
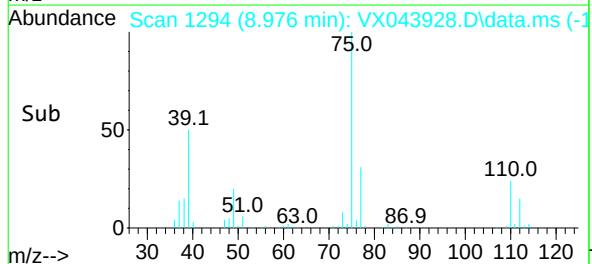
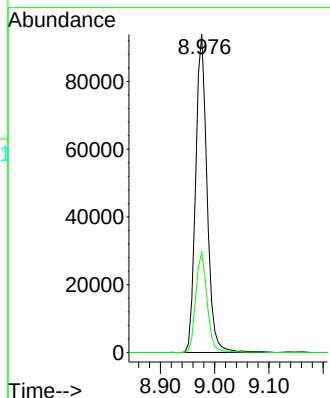
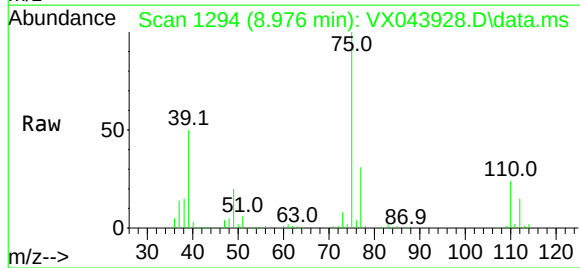
77 31.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 62.243 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

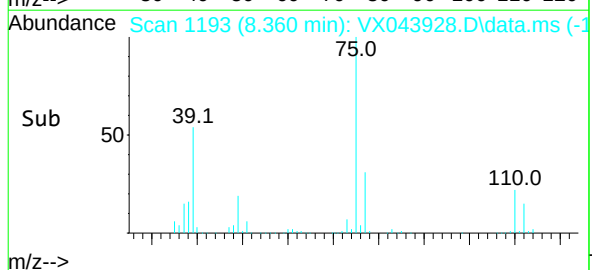
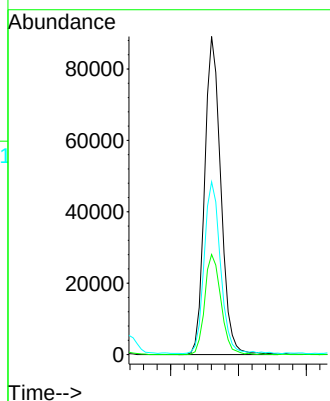
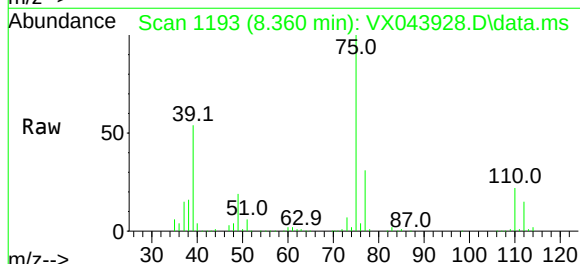
Tgt Ion: 75 Resp: 147638

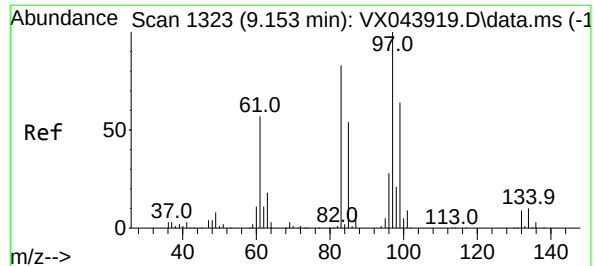
Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2

39 53.9 36.1 54.1





#55

1,1,2-Trichloroethane

Concen: 62.501 ug/l

RT: 9.147 min Scan# 13

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

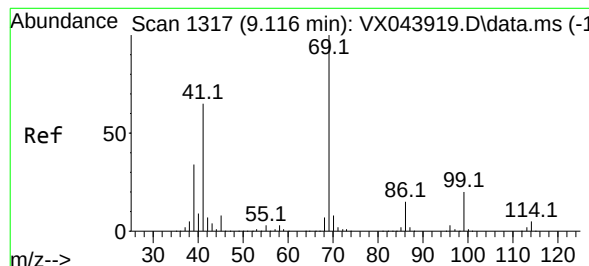
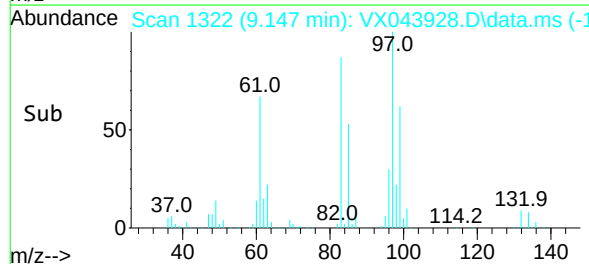
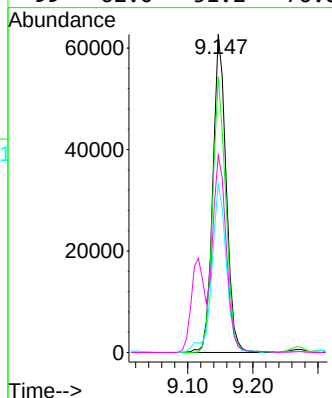
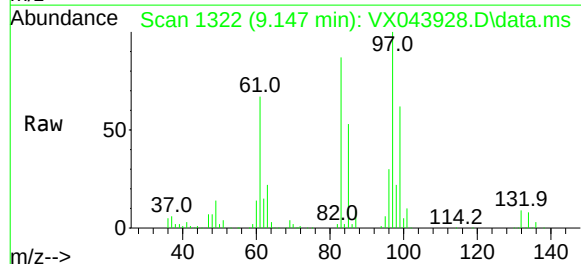
Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 89441 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.7  | 66.5  | 99.7  |
| 85       | 52.9  | 43.4  | 65.2  |
| 99       | 62.0  | 51.2  | 76.8  |

**Manual Integrations**  
**APPROVED**Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024

#56

Ethyl methacrylate

Concen: 65.443 ug/l

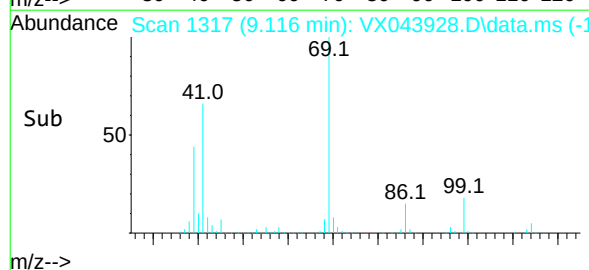
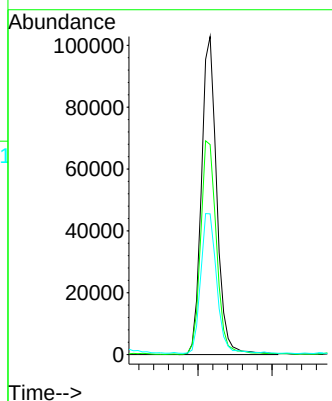
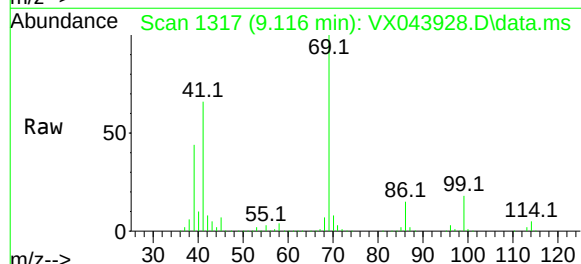
RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

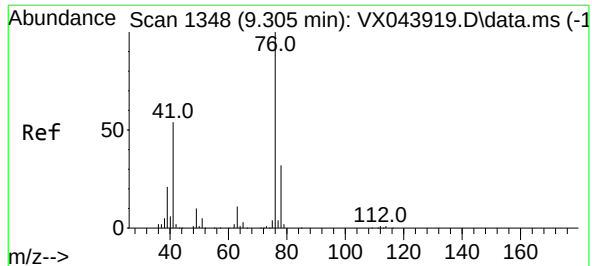
Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 148281 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.8  | 51.7  | 77.5   |
| 39       | 45.9  | 26.8  | 40.2   |







#57

1,3-Dichloropropane

Concen: 63.034 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 76 Resp: 151124

Ion Ratio Lower Upper

76 100

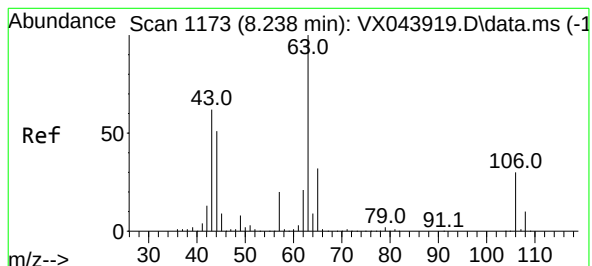
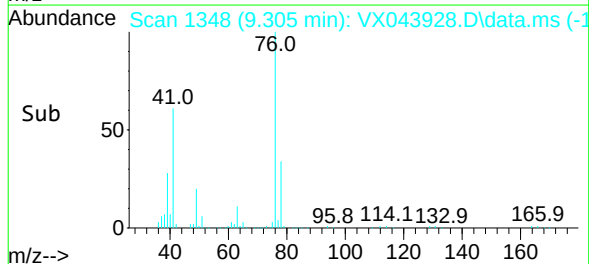
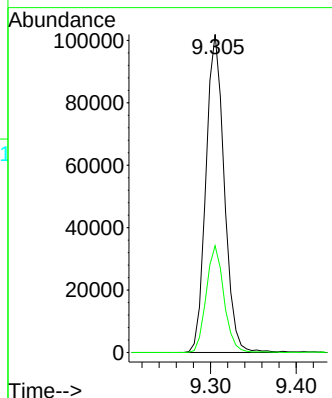
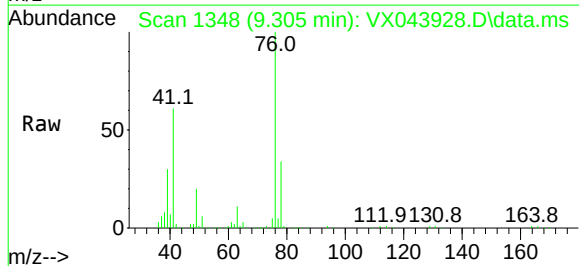
78 32.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 312.467 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043928.D

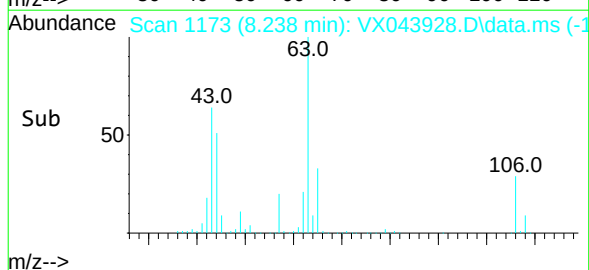
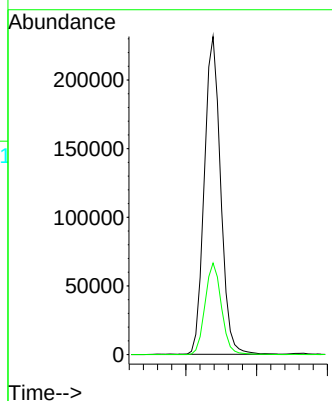
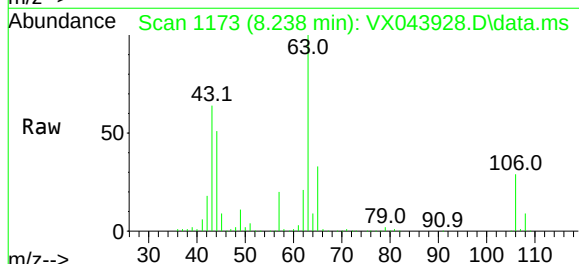
Acq: 21 Nov 2024 11:17

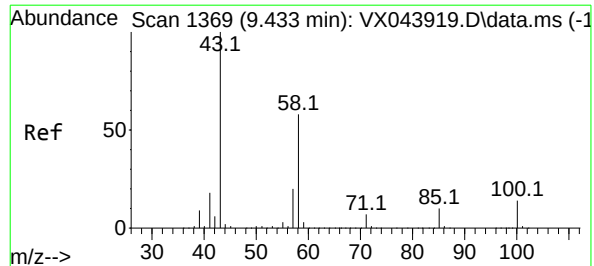
Tgt Ion: 63 Resp: 371281

Ion Ratio Lower Upper

63 100

106 28.8 23.8 35.6





#59

2-Hexanone

Concen: 359.925 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 43 Resp: 568460

Ion Ratio Lower Upper

43 100

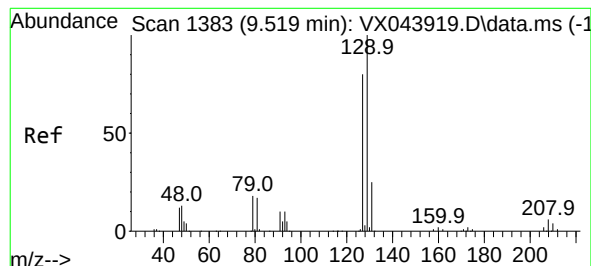
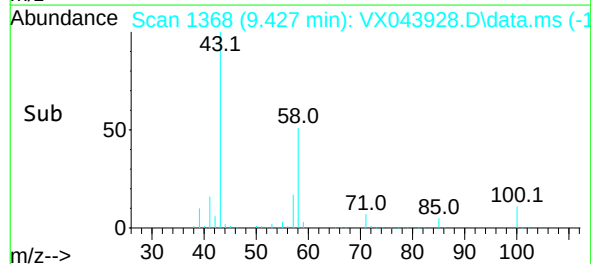
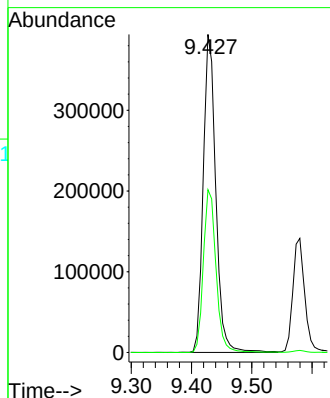
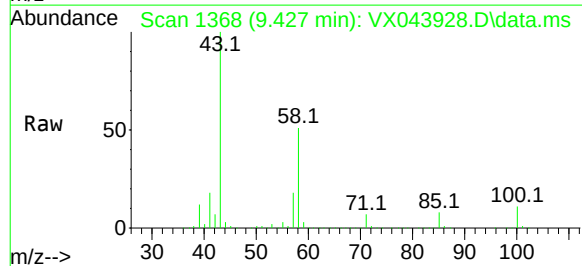
58 51.7 28.3 84.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 68.588 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043928.D

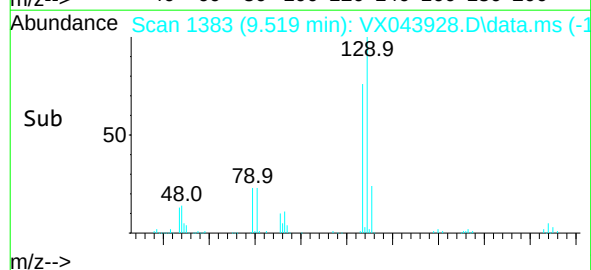
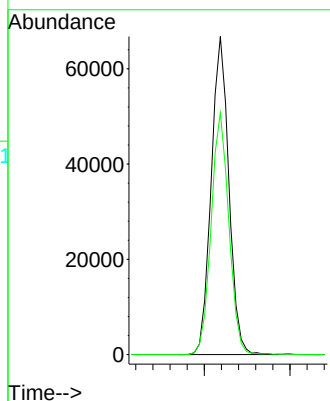
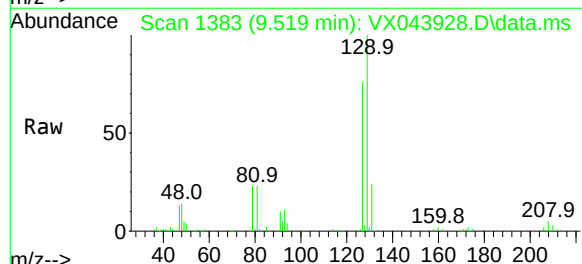
Acq: 21 Nov 2024 11:17

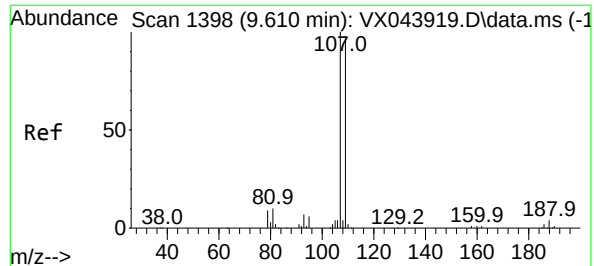
Tgt Ion:129 Resp: 95641

Ion Ratio Lower Upper

129 100

127 76.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 62.263 ug/l

RT: 9.604 min Scan# 1398

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:107 Resp: 92940

Ion Ratio Lower Upper

107 100

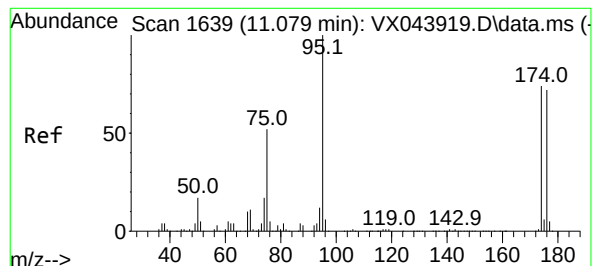
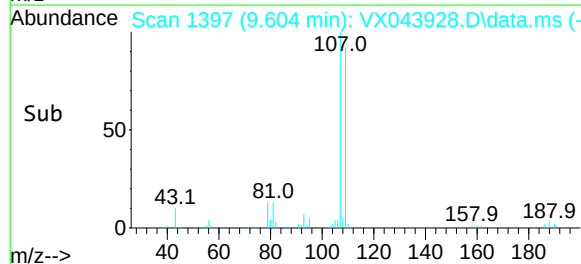
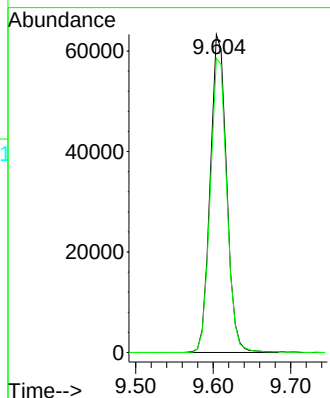
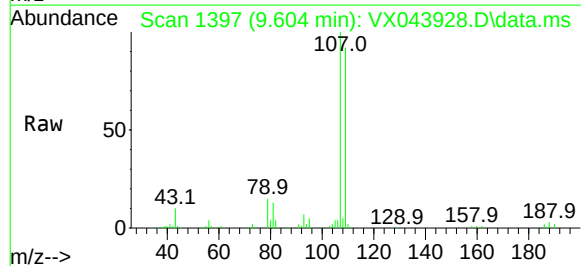
109 94.0 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 52.209 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

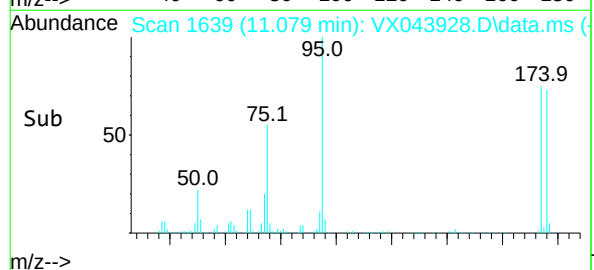
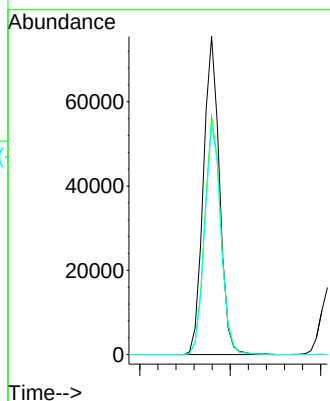
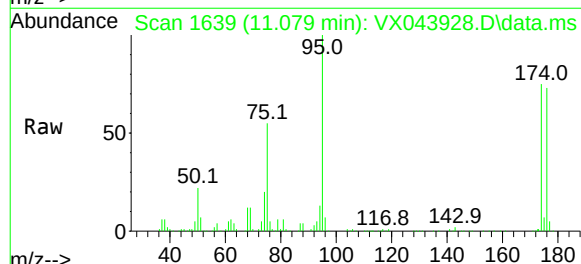
Tgt Ion: 95 Resp: 93510

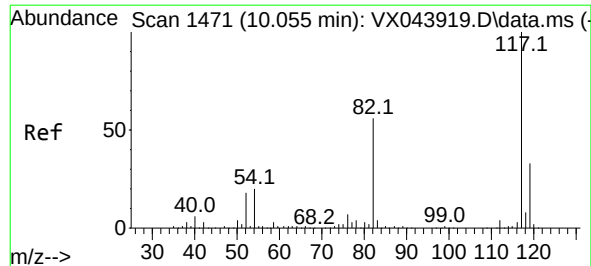
Ion Ratio Lower Upper

95 100

174 75.2 0.0 152.2

176 73.0 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:117 Resp: 212243

Ion Ratio Lower Upper

117 100

82 58.0 44.6 67.0

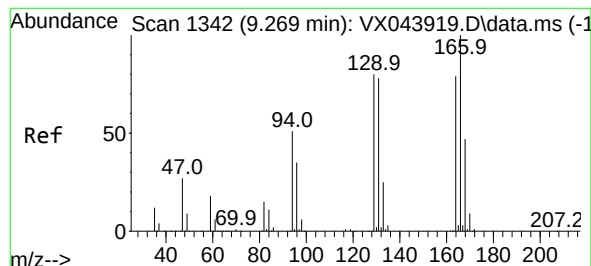
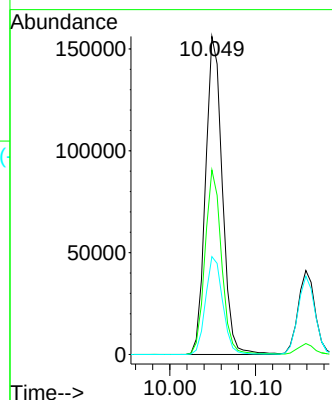
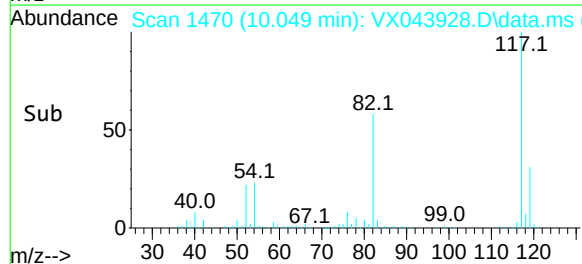
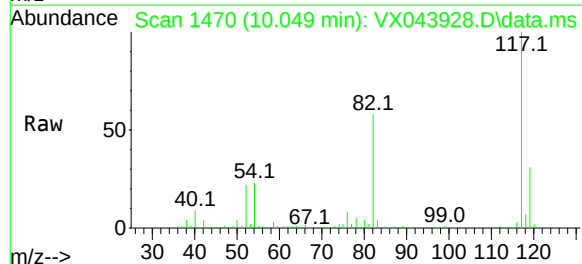
119 30.8 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 54.472 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

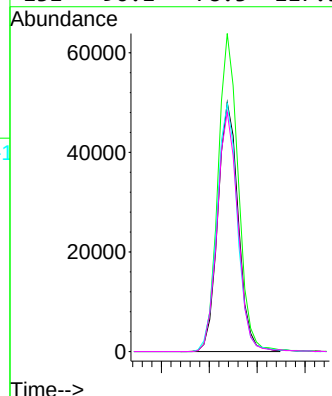
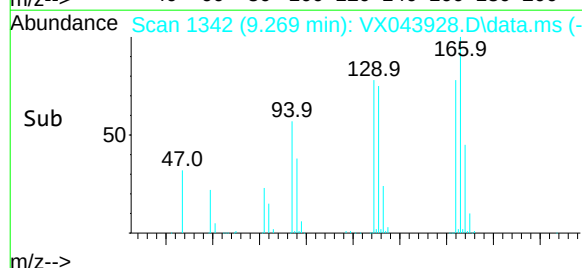
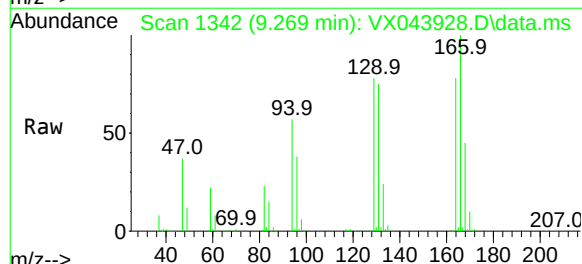
Ion Ratio Lower Upper

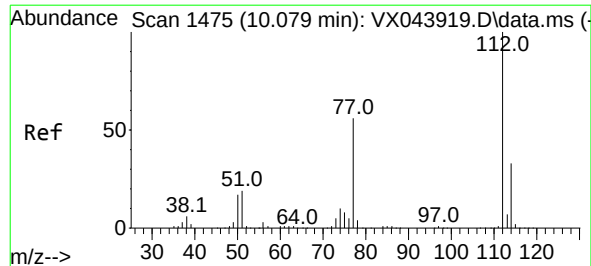
164 100

166 127.6 100.9 151.3

129 99.5 80.3 120.5

131 96.1 78.3 117.5





#65

Chlorobenzene

Concen: 54.828 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:112 Resp: 243080

Ion Ratio Lower Upper

112 100

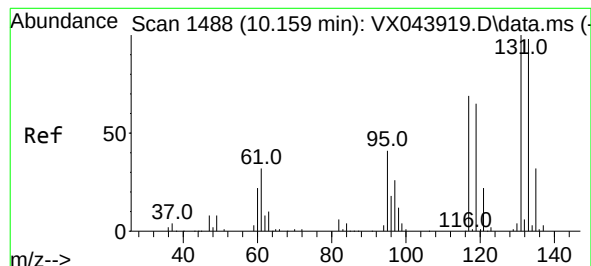
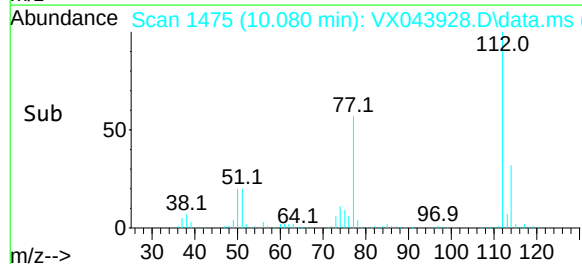
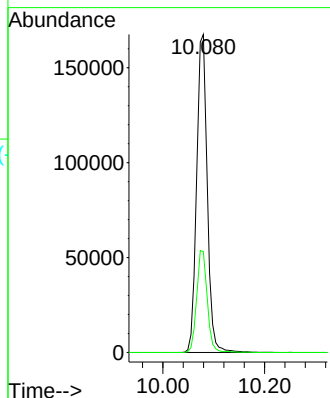
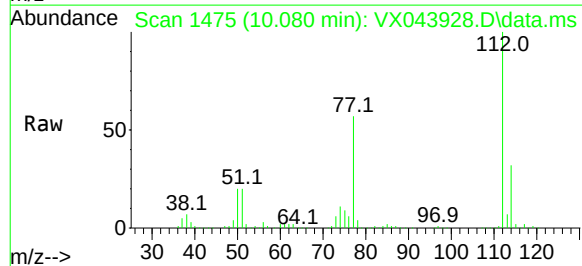
114 31.7 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 56.885 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

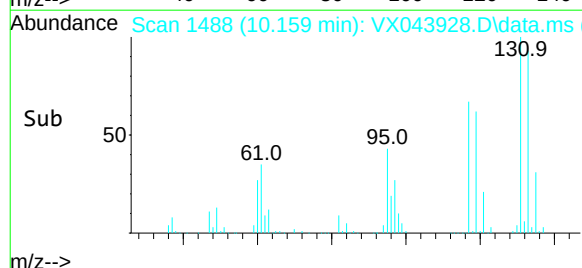
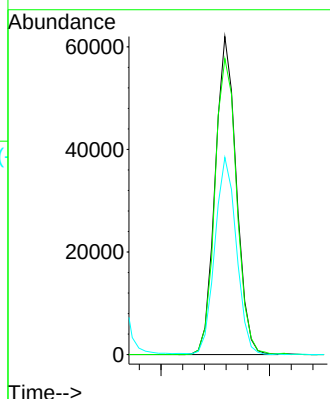
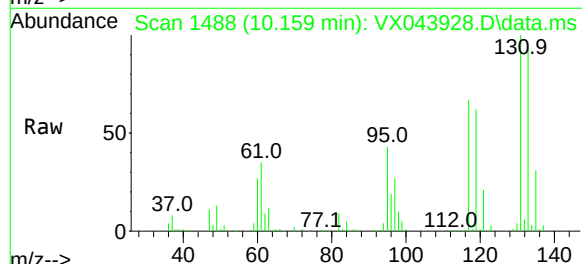
Tgt Ion:131 Resp: 83934

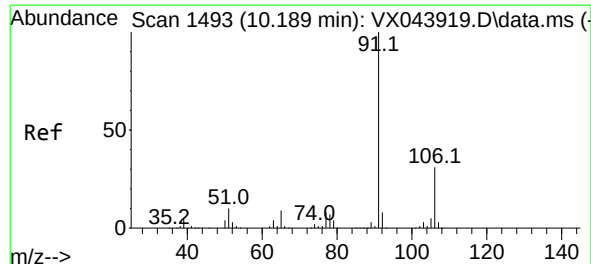
Ion Ratio Lower Upper

131 100

133 96.4 48.8 146.3

119 63.0 32.9 98.7





#67

Ethyl Benzene

Concen: 57.573 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 429559

Ion Ratio Lower Upper

91 100

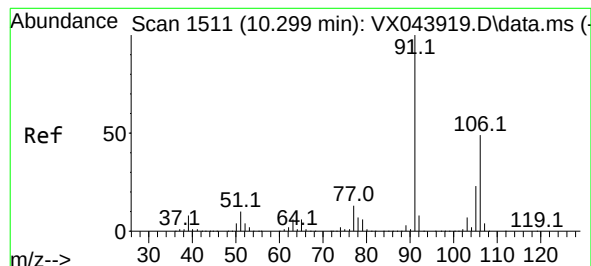
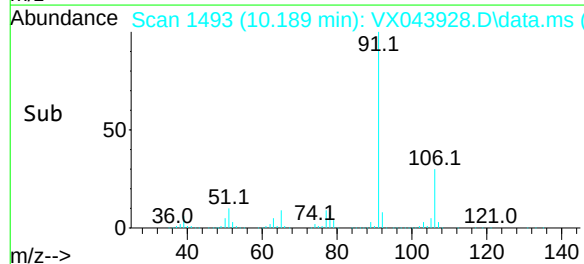
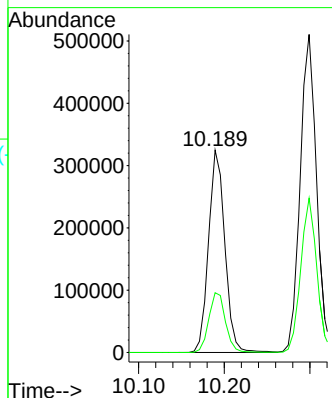
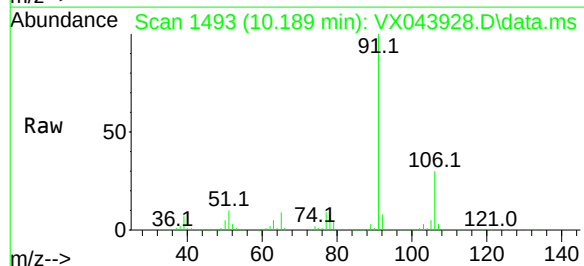
106 29.5 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 116.466 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043928.D

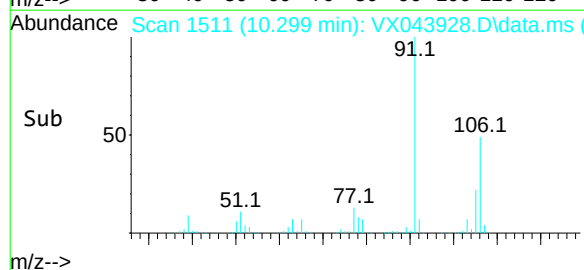
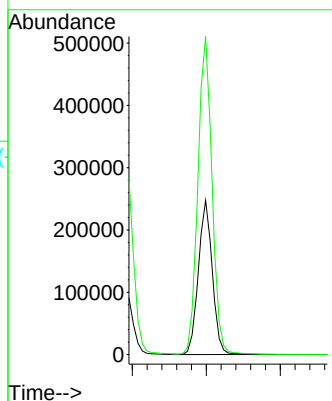
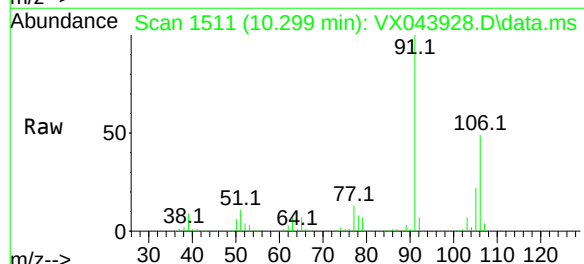
Acq: 21 Nov 2024 11:17

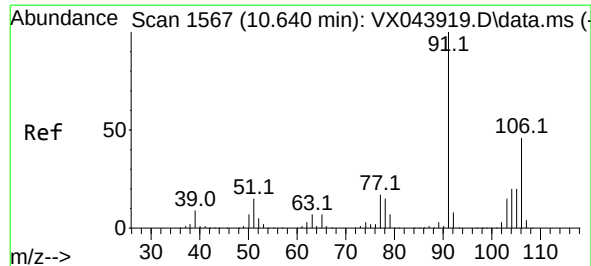
Tgt Ion:106 Resp: 323661

Ion Ratio Lower Upper

106 100

91 210.1 163.3 244.9





#69

o-Xylene

Concen: 59.245 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:106 Resp: 160643

Ion Ratio Lower Upper

106 100

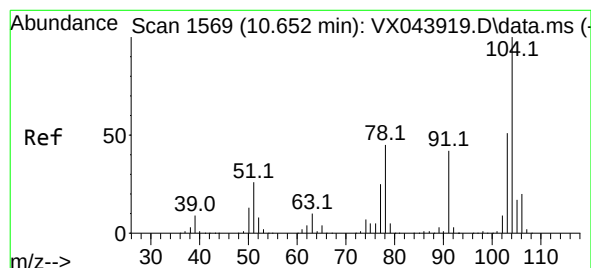
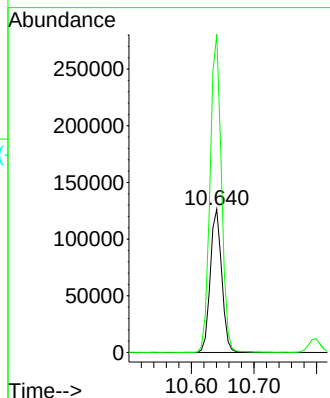
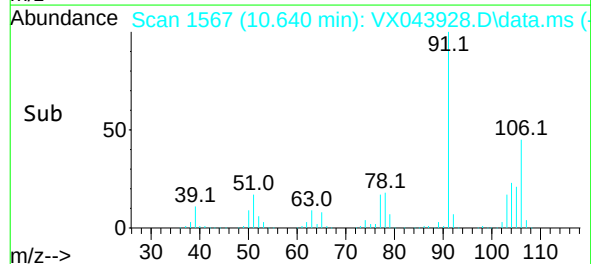
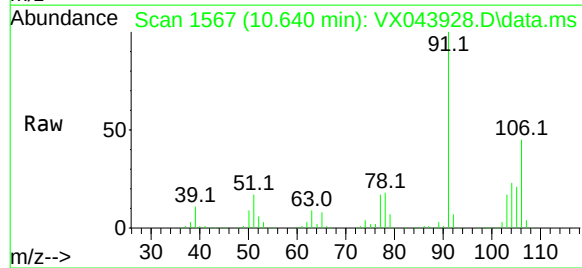
91 220.4 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 59.974 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

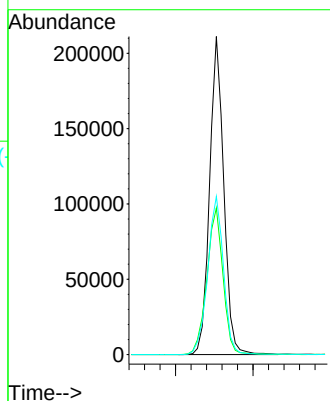
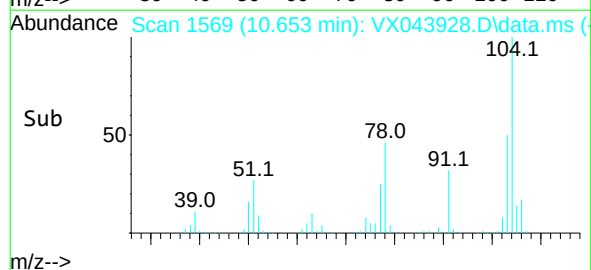
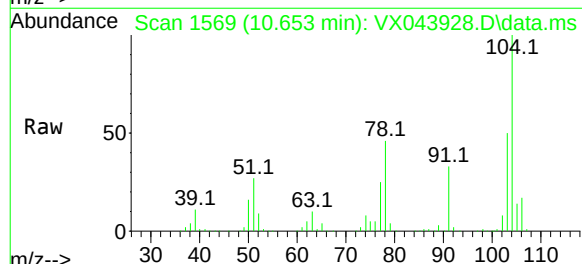
Tgt Ion:104 Resp: 268004

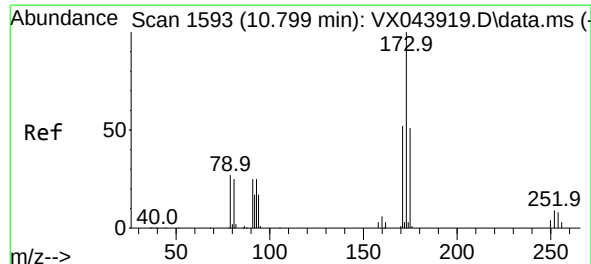
Ion Ratio Lower Upper

104 100

78 52.7 40.3 60.5

103 55.9 43.9 65.9





#71

Bromoform

Concen: 62.587 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

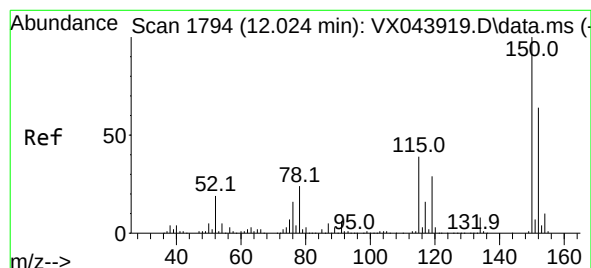
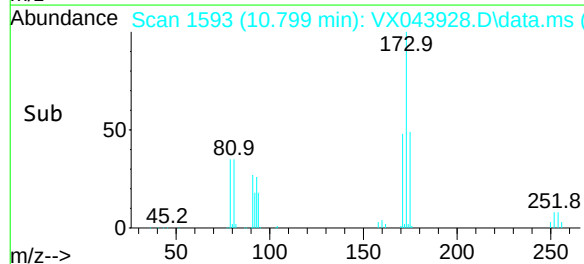
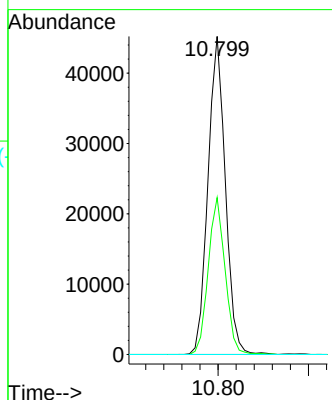
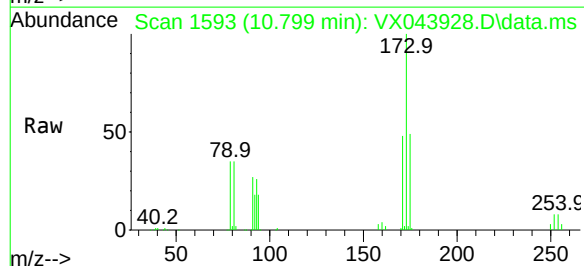
ClientSampleId :

VSTDICCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 60267 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.1  | 24.6  | 73.8  |
| 254       | 0.0   | 0.1   | 0.1#  |

Manual Integrations  
APPROVED

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

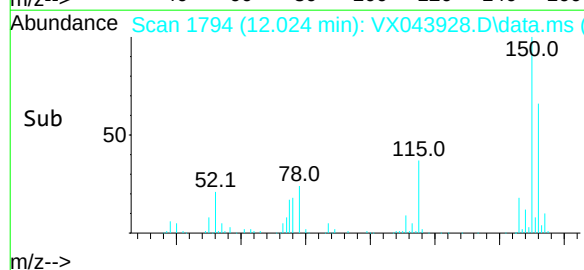
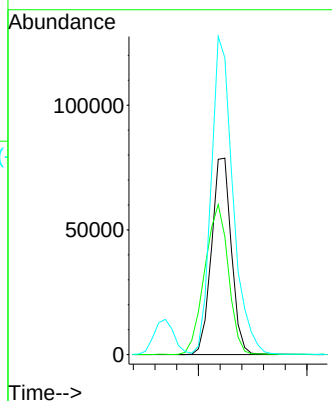
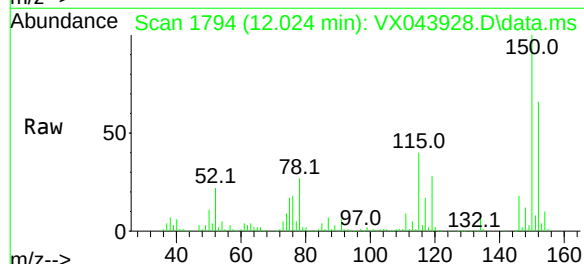
RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

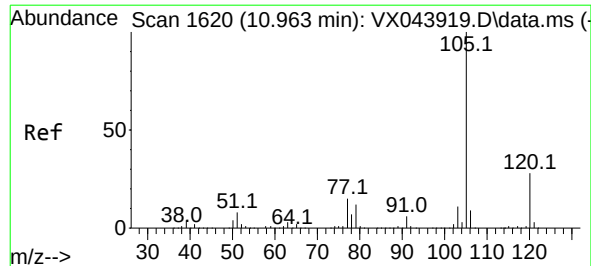
Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 100316 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 90.8  | 42.1  | 126.3  |
| 150       | 176.5 | 0.0   | 348.2  |







#73

Isopropylbenzene

Concen: 57.397 ug/l

RT: 10.957 min Scan# 16

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 411000

Ion Ratio Lower Upper

105 100

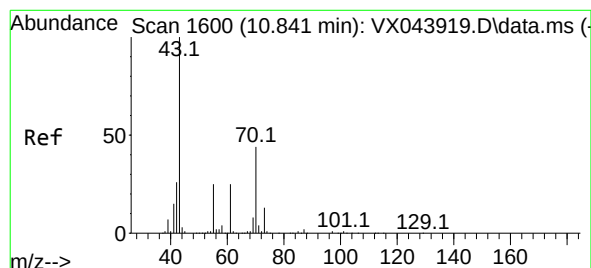
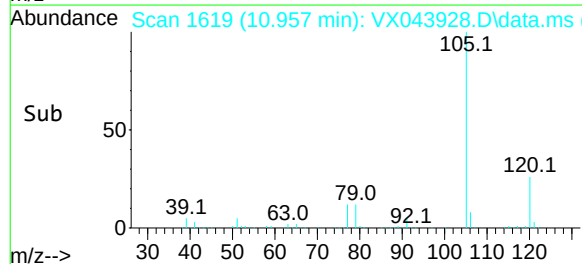
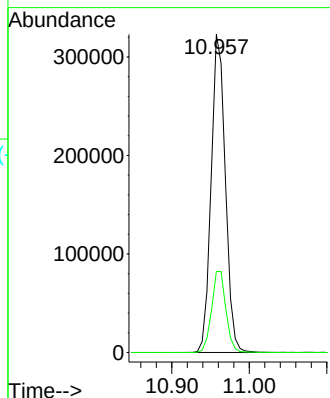
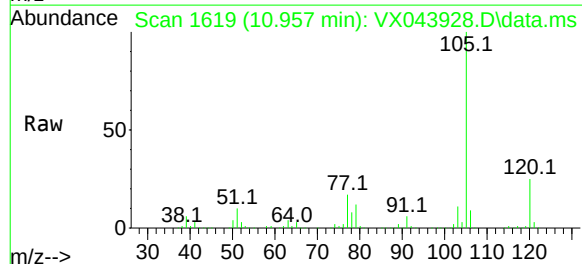
120 25.9 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 62.704 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195

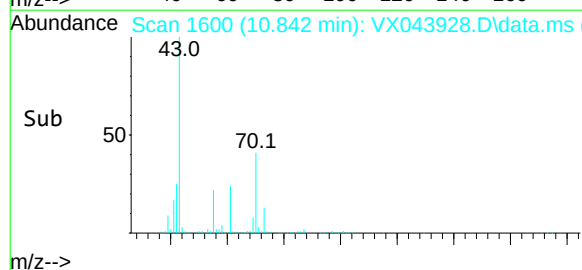
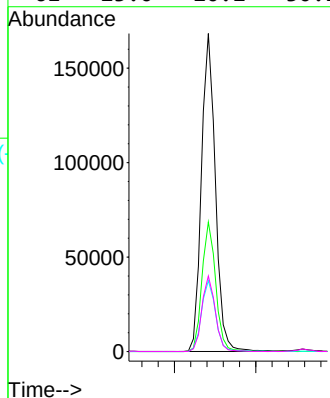
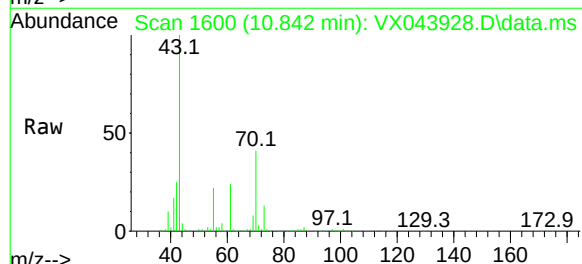
Ion Ratio Lower Upper

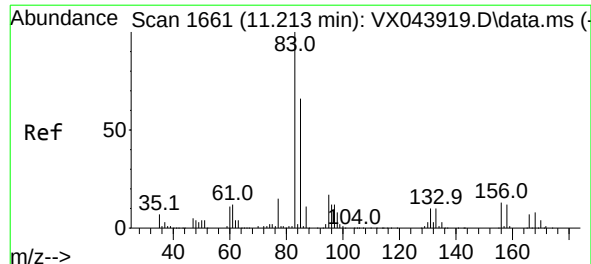
43 100

70 40.2 36.5 54.7

55 22.6 19.6 29.4

61 23.0 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 57.726 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

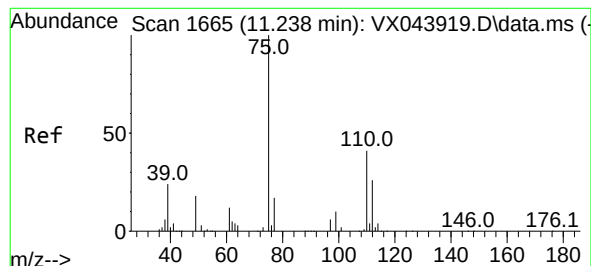
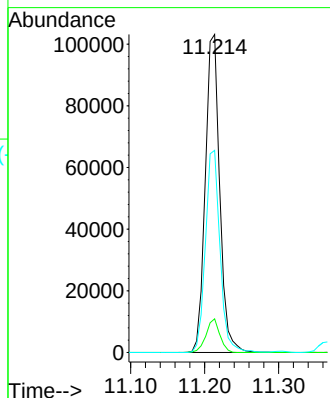
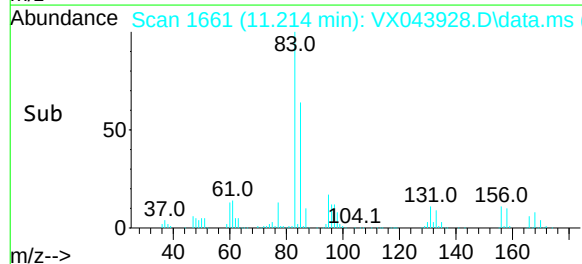
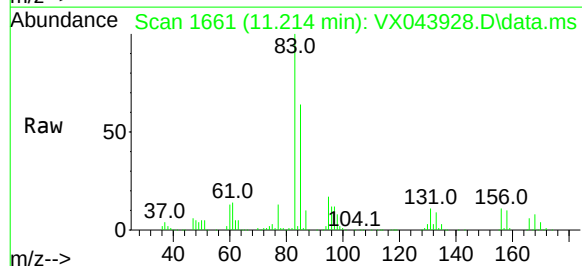
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 139756 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 10.1  | 5.1   | 15.3   |
| 85       | 64.4  | 32.3  | 96.9   |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 57.858 ug/l m

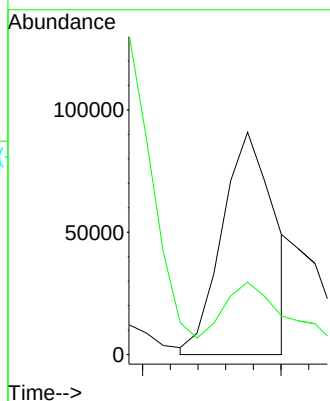
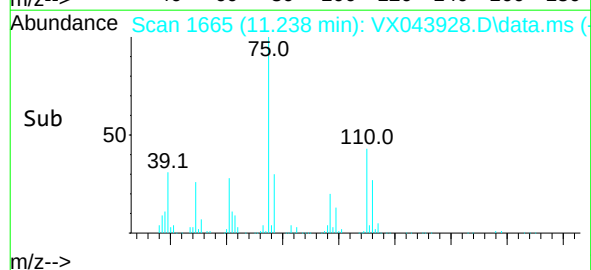
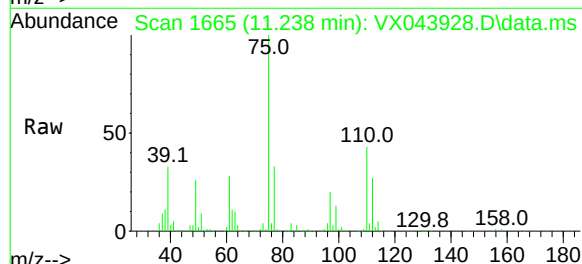
RT: 11.238 min Scan# 1665

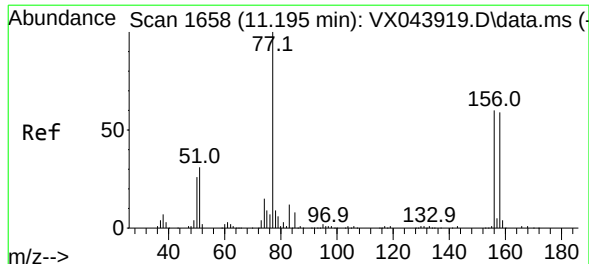
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 118450 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 43.5  | 22.4  | 67.0   |





#77

Bromobenzene

Concen: 55.706 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

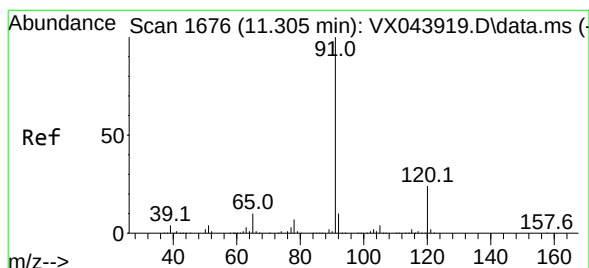
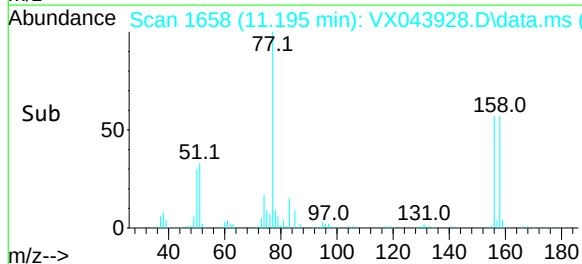
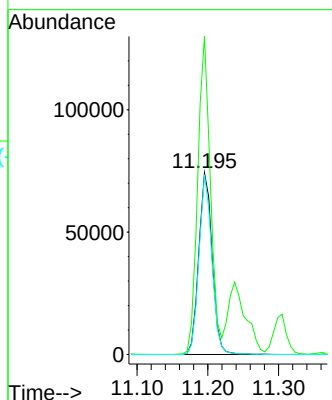
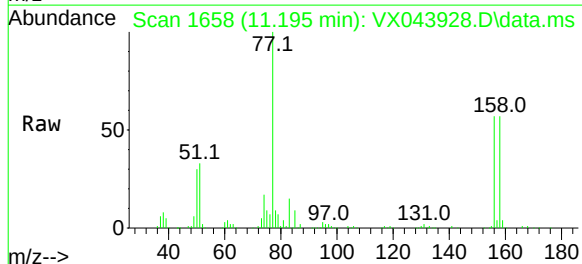
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 97761 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 166.7 | 81.2  | 243.6 |
| 158      | 95.2  | 48.6  | 145.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 60.094 ug/l

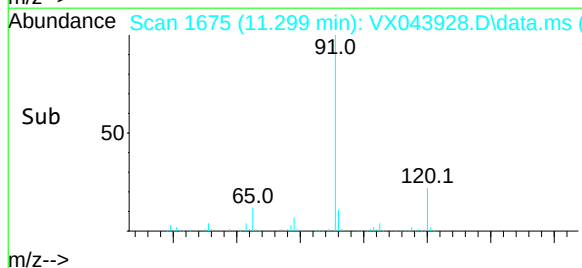
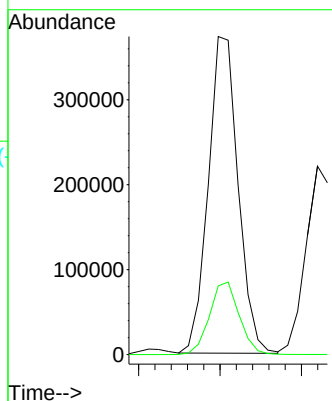
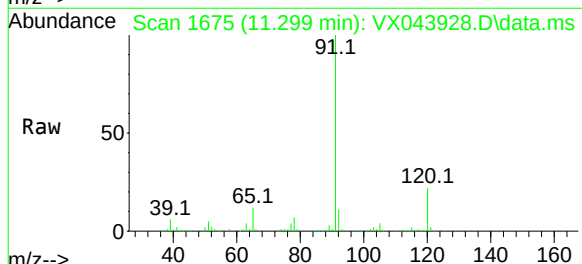
RT: 11.299 min Scan# 1675

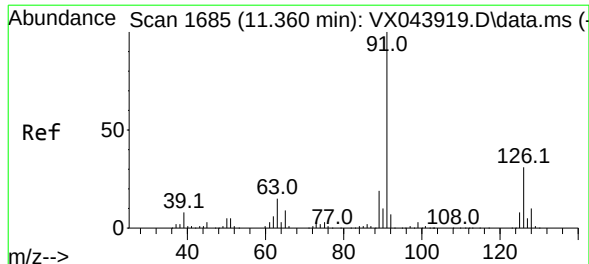
Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 474802 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.9  | 11.5  | 34.5   |





#79

2-Chlorotoluene

Concen: 57.018 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 286649

Ion Ratio Lower Upper

91 100

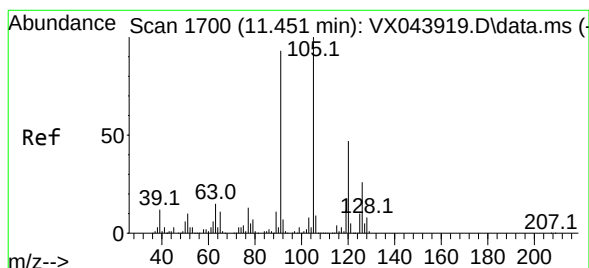
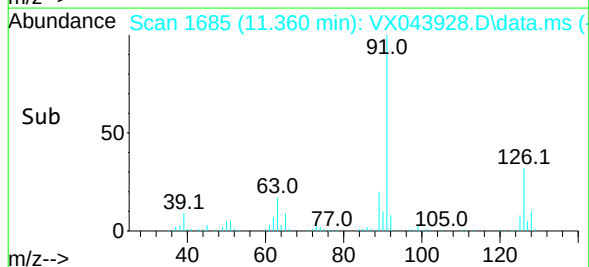
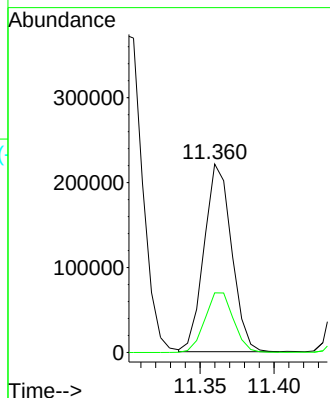
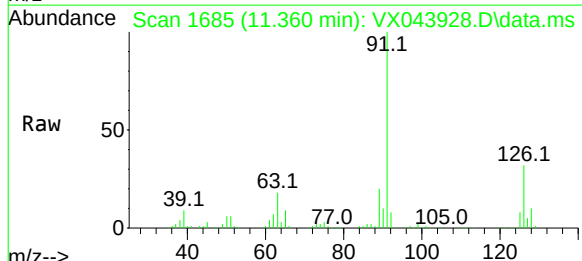
126 33.2 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 58.215 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043928.D

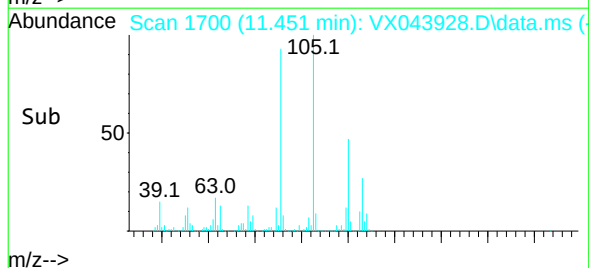
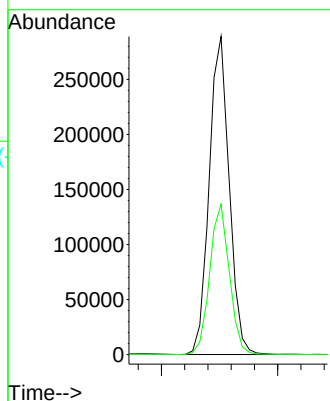
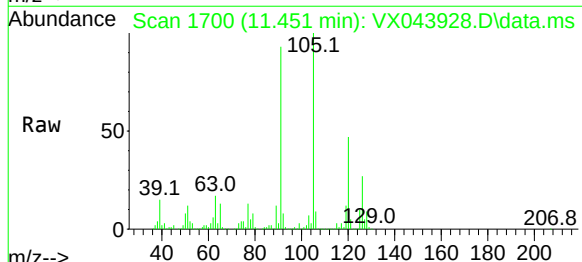
Acq: 21 Nov 2024 11:17

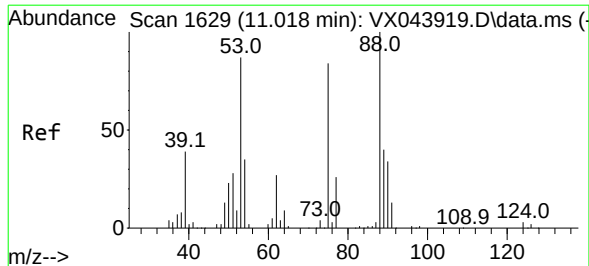
Tgt Ion:105 Resp: 345531

Ion Ratio Lower Upper

105 100

120 46.5 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 61.129 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

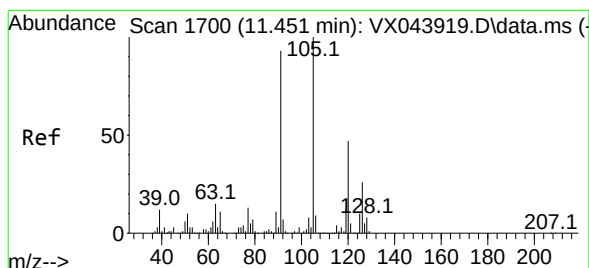
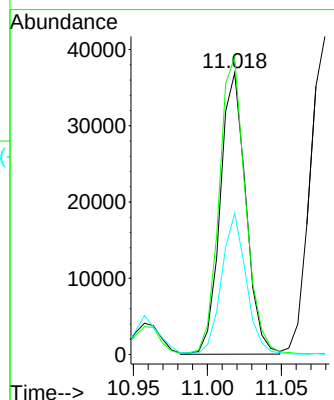
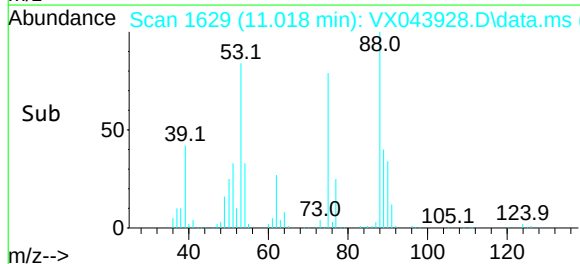
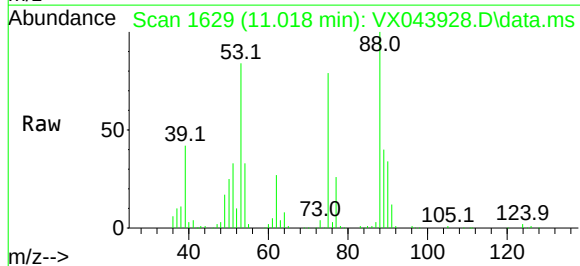
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 44450 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 108.4 | 81.7  | 122.5 |
| 89       | 47.7  | 38.6  | 57.8  |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 57.679 ug/l

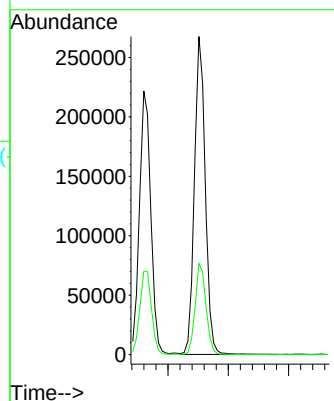
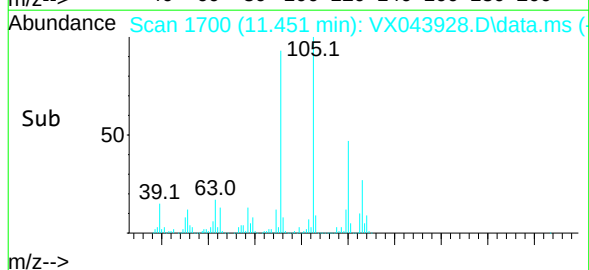
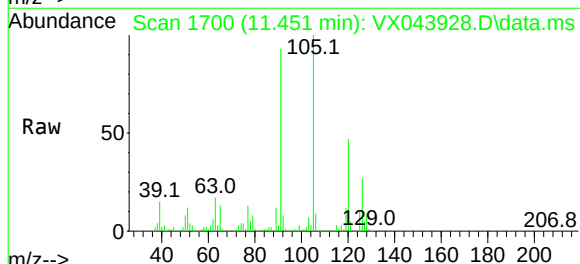
RT: 11.451 min Scan# 1700

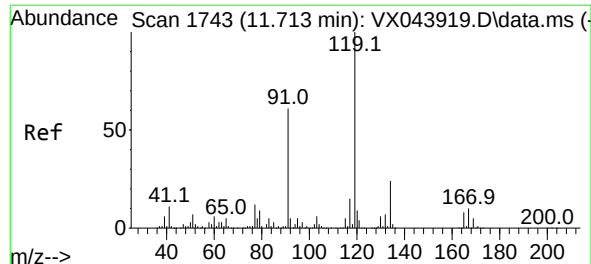
Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 333946 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.6  | 14.4  | 43.2   |





#83

tert-Butylbenzene

Concen: 56.841 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:119 Resp: 345112

Ion Ratio Lower Upper

119 100

91 62.0 29.5 88.6

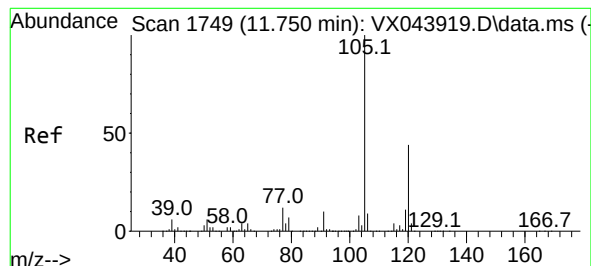
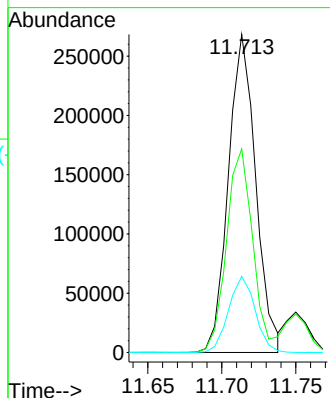
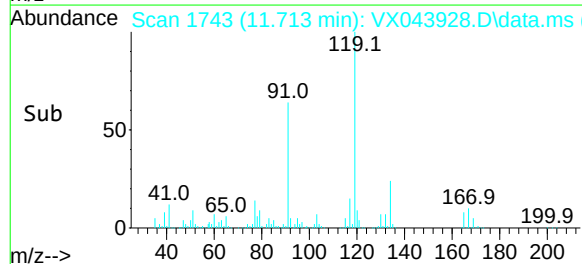
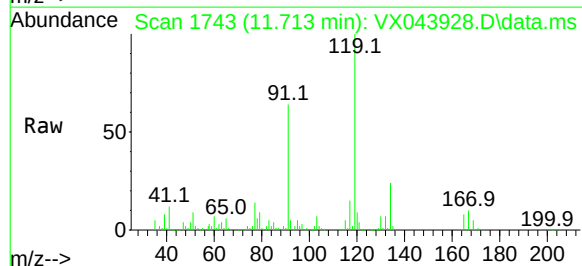
134 23.2 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 57.254 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043928.D

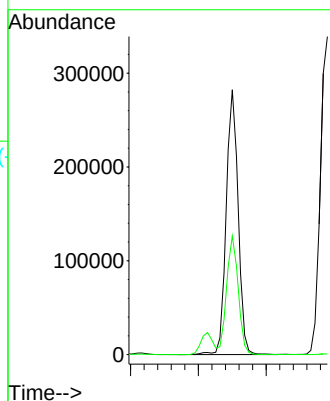
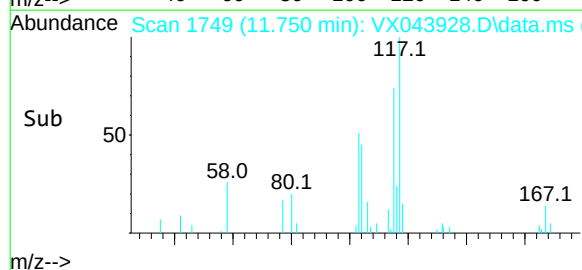
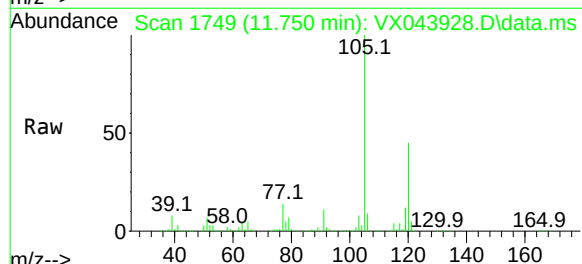
Acq: 21 Nov 2024 11:17

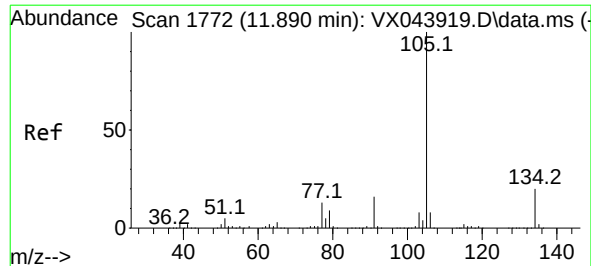
Tgt Ion:105 Resp: 345112

Ion Ratio Lower Upper

105 100

120 43.8 21.7 65.1





#85

sec-Butylbenzene

Concen: 58.794 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:105 Resp: 426284

Ion Ratio Lower Upper

105 100

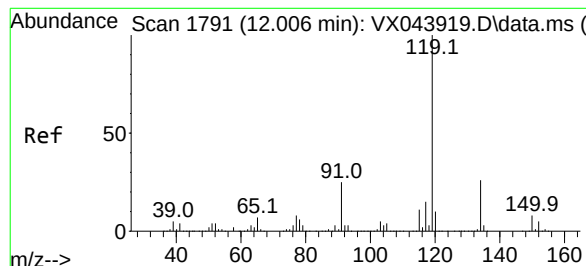
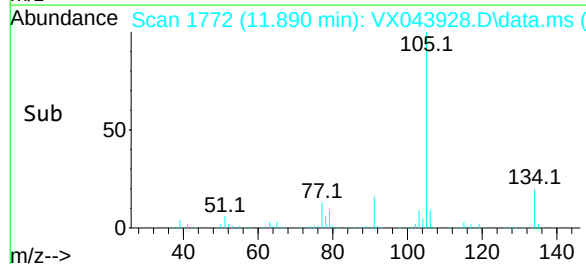
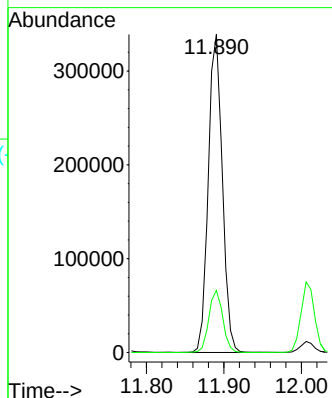
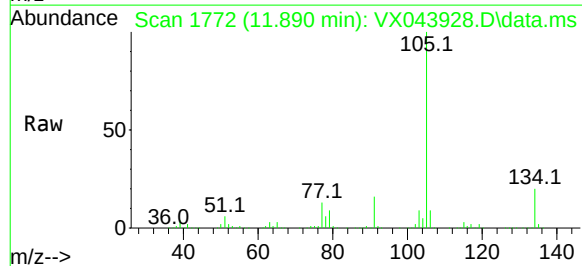
134 19.4 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 58.026 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

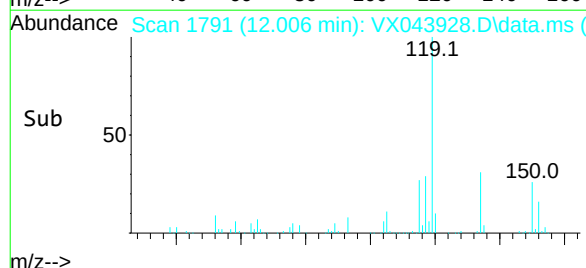
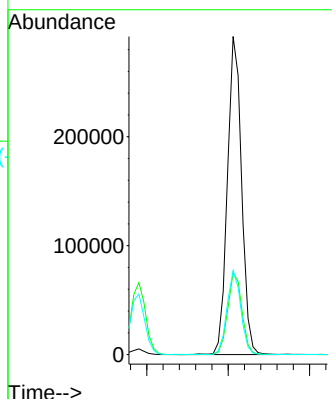
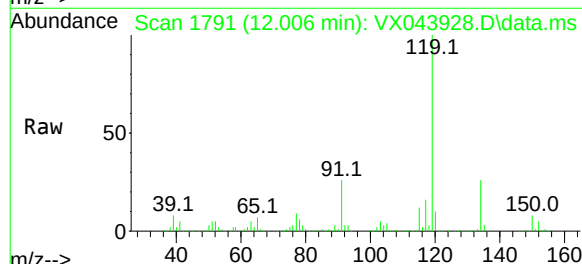
Tgt Ion:119 Resp: 353256

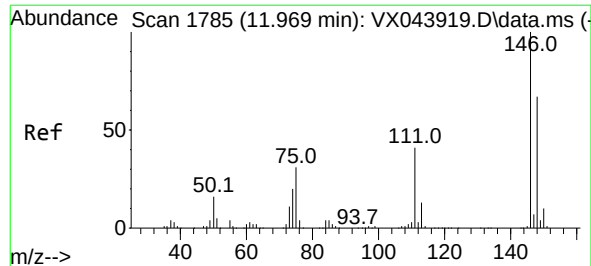
Ion Ratio Lower Upper

119 100

134 25.9 13.0 38.9

91 25.9 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 54.401 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 176936

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.2

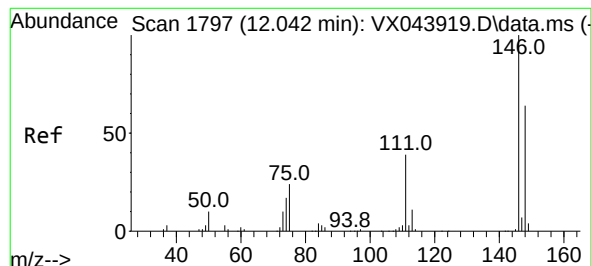
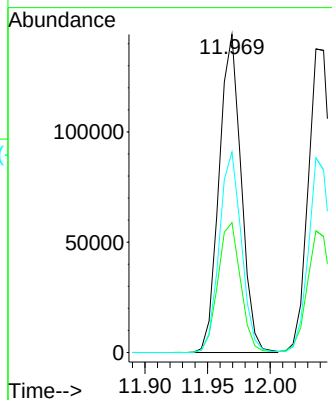
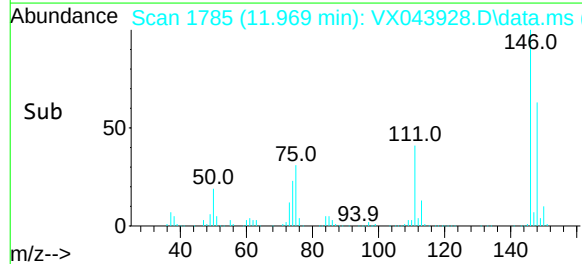
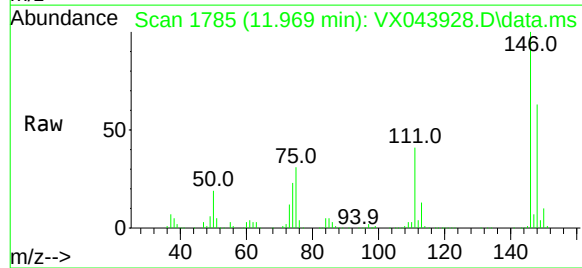
148 63.4 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 53.598 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.006 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

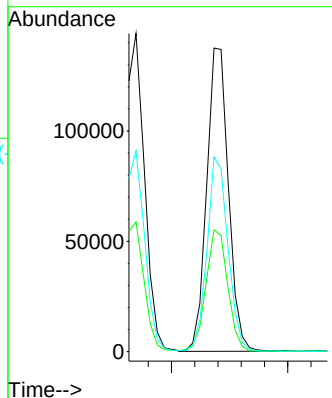
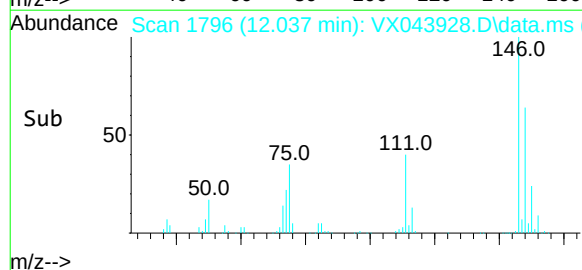
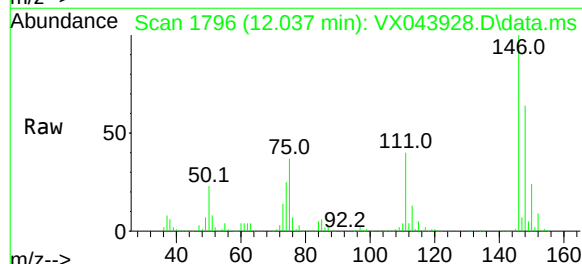
Tgt Ion:146 Resp: 178728

Ion Ratio Lower Upper

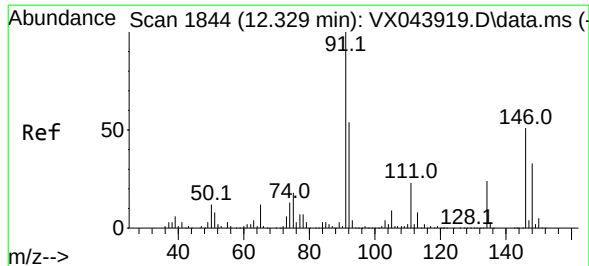
146 100

111 40.2 20.1 60.2

148 61.9 32.2 96.6







#89

n-Butylbenzene

Concen: 61.581 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion: 91 Resp: 319448

Ion Ratio Lower Upper

91 100

92 53.2 26.9 80.6

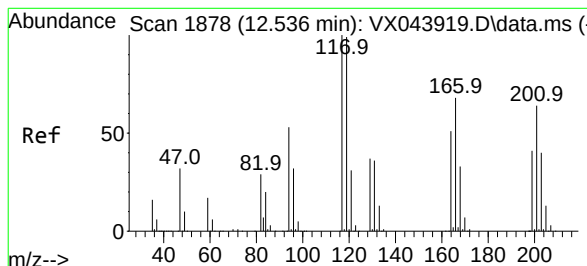
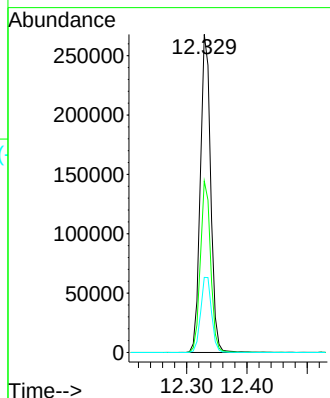
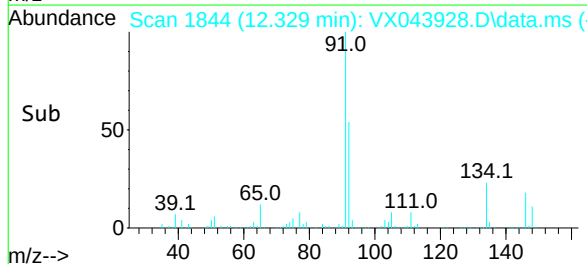
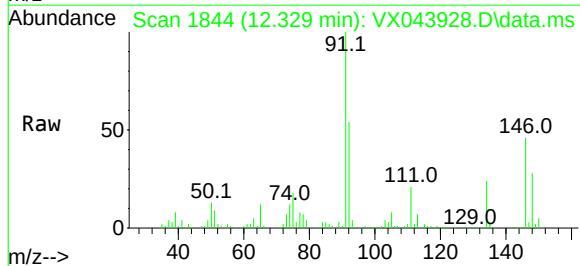
134 24.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 57.586 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043928.D

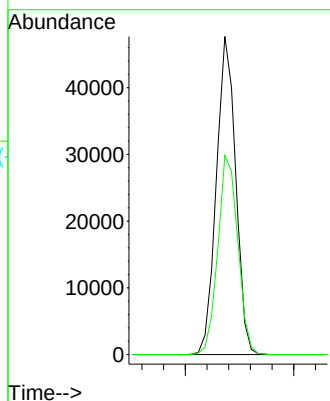
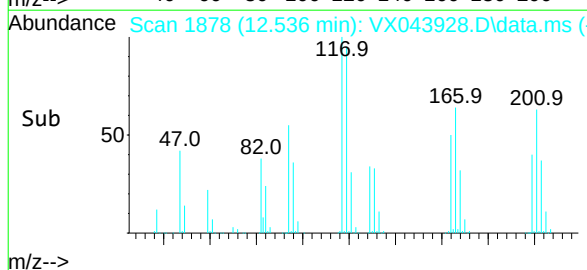
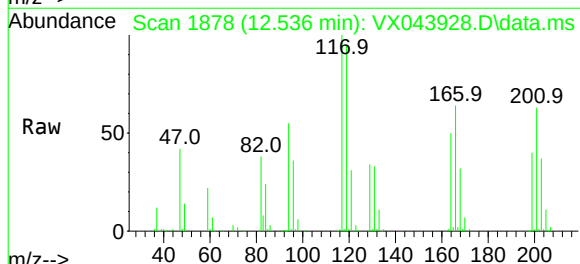
Acq: 21 Nov 2024 11:17

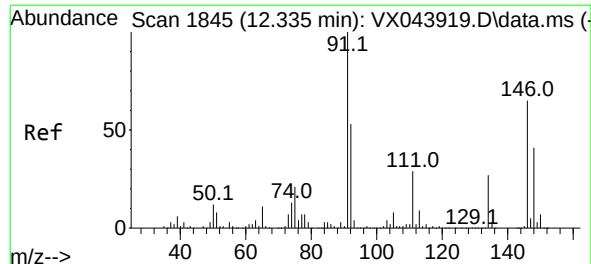
Tgt Ion:117 Resp: 59010

Ion Ratio Lower Upper

117 100

201 64.7 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 52.077 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:146 Resp: 177334

Ion Ratio Lower Upper

146 100

111 43.0 21.7 65.1

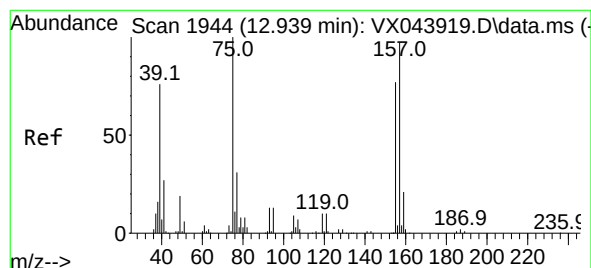
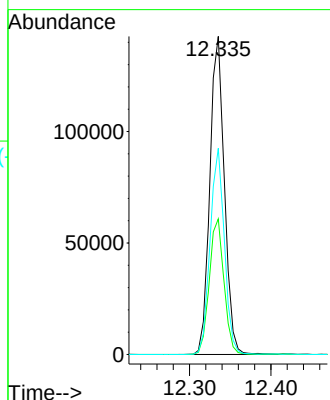
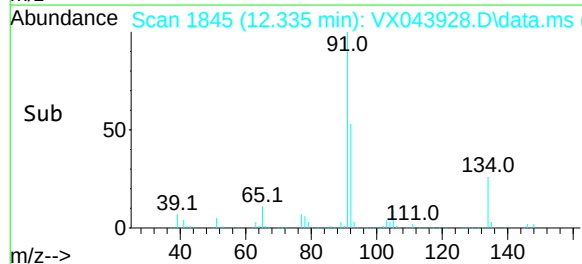
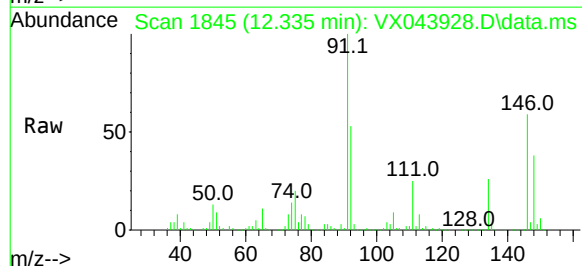
148 63.7 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.961 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

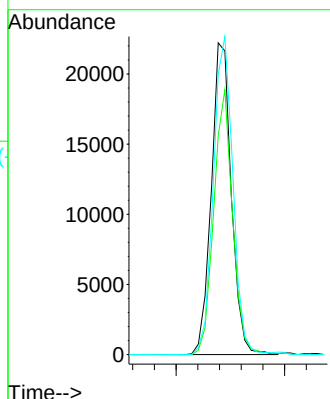
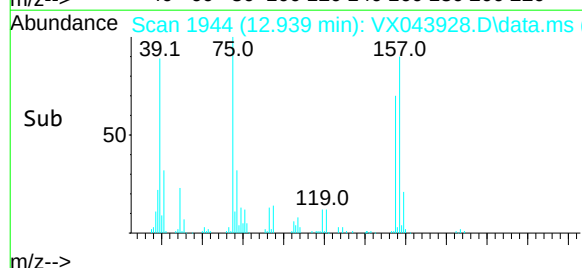
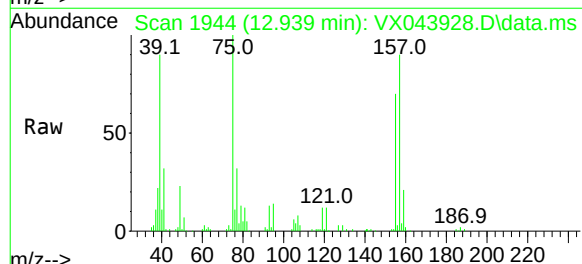
Tgt Ion: 75 Resp: 28467

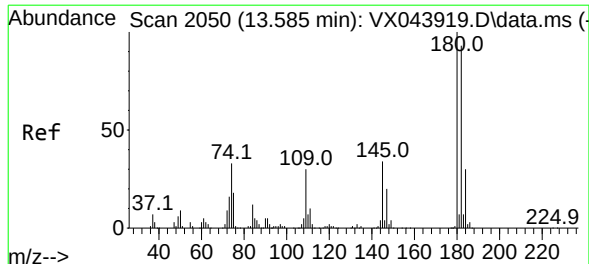
Ion Ratio Lower Upper

75 100

155 80.1 40.8 122.5

157 99.3 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 54.645 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

Tgt Ion:180 Resp: 108749

Ion Ratio Lower Upper

180 100

182 96.1 46.8 140.4

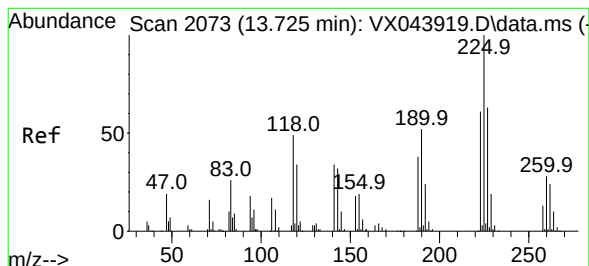
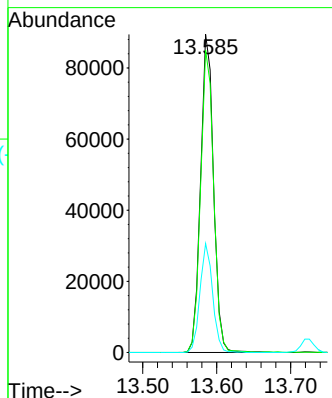
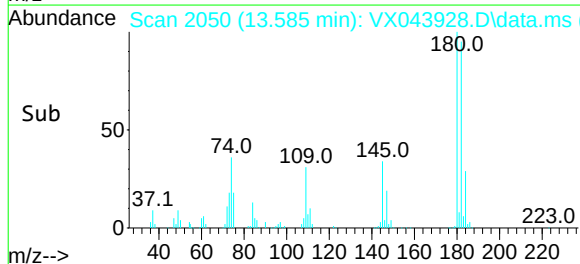
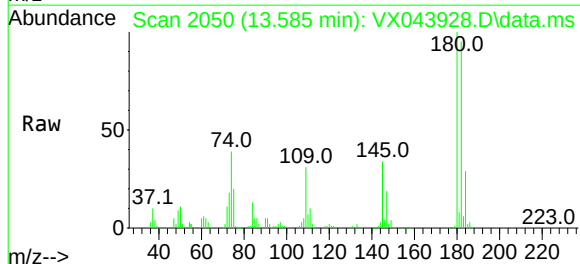
145 33.6 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 50.599 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

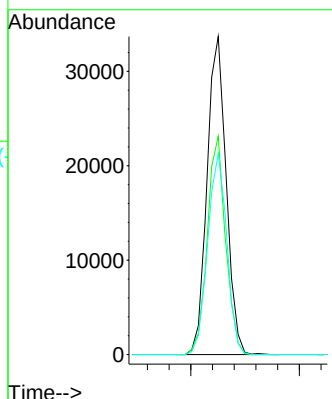
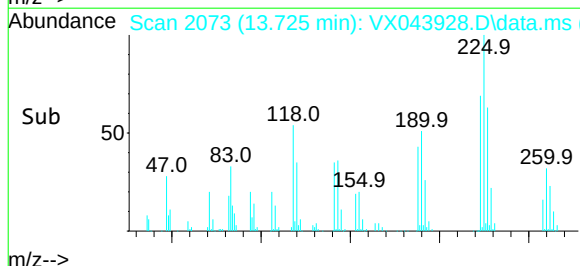
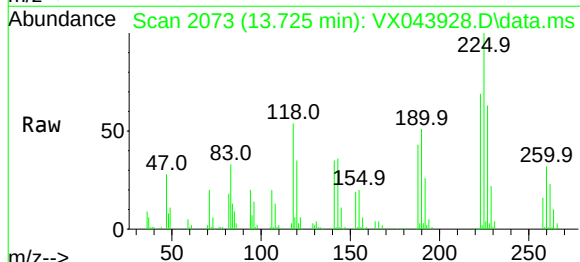
Tgt Ion:225 Resp: 41267

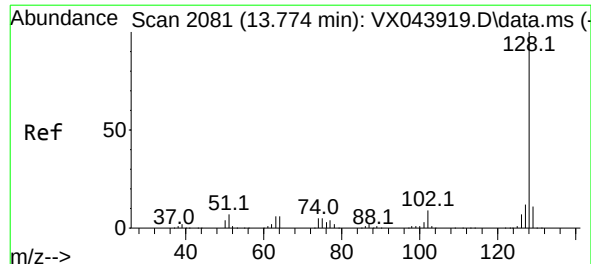
Ion Ratio Lower Upper

225 100

223 65.7 31.1 93.3

227 63.2 29.8 89.5





#95

Naphthalene

Concen: 54.142 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

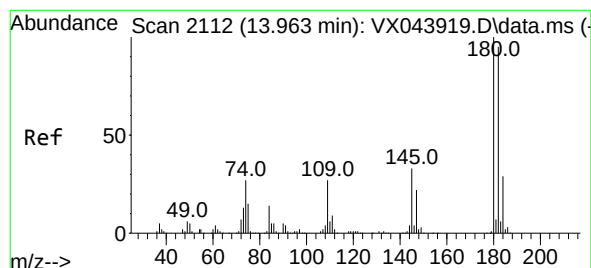
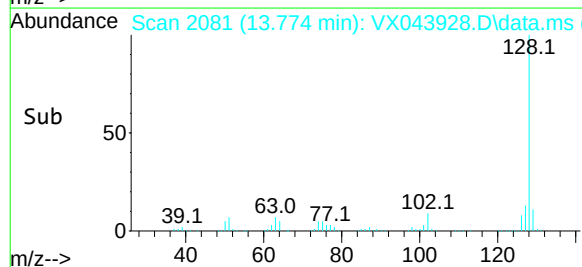
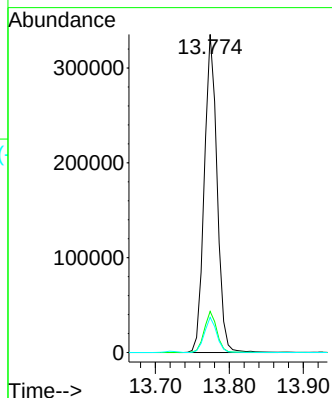
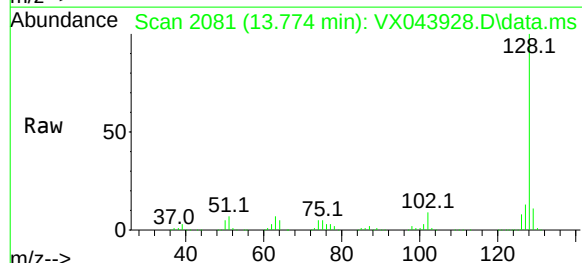
ClientSampleId :

VSTDICCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 401752 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.7  | 10.1  | 15.1   |
| 129      | 10.7  | 8.6   | 13.0   |

Manual Integrations  
APPROVED

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



#96

1,2,3-Trichlorobenzene

Concen: 54.094 ug/l

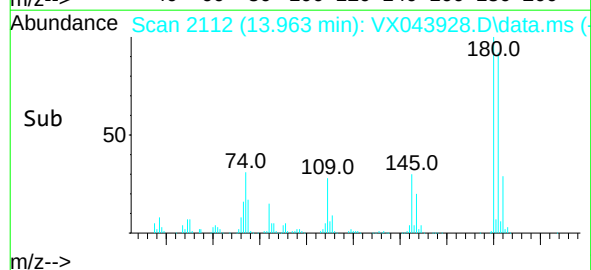
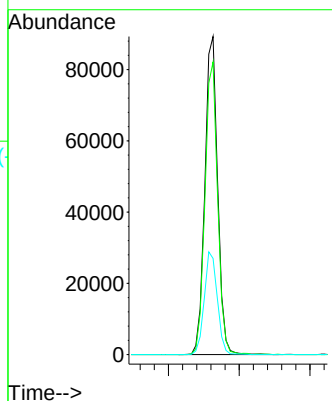
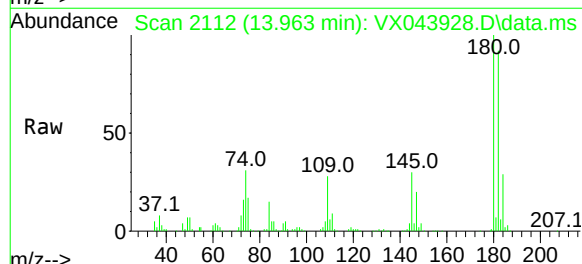
RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 112162 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 91.2  | 47.6  | 142.8  |
| 145      | 32.9  | 17.4  | 52.2   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043929.D  
 Acq On : 21 Nov 2024 11:40  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 21 12:15:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 11:25:29 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 138314   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 246419   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 215595   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 104048   | 50.000 | ug/l  | 0.00     |

#### System Monitoring Compounds

|                           |        |       |          |          |             |      |
|---------------------------|--------|-------|----------|----------|-------------|------|
| 33) 1,2-Dichloroethane-d4 | 5.946  | 65    | 236531   | 111.333  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | = 222.660%# |      |
| 35) Dibromofluoromethane  | 5.379  | 113   | 176869   | 106.893  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 213.780%# |      |
| 50) Toluene-d8            | 8.647  | 98    | 607337   | 109.870  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | = 219.740%# |      |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 215953   | 118.228  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | = 236.460%# |      |

#### Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 166145  | 118.713 | ug/l | 97     |
| 3) Chloromethane             | 1.295 | 50  | 183899  | 105.136 | ug/l | 100    |
| 4) Vinyl Chloride            | 1.374 | 62  | 192221  | 109.377 | ug/l | 98     |
| 5) Bromomethane              | 1.593 | 94  | 118792  | 148.807 | ug/l | 99     |
| 6) Chloroethane              | 1.660 | 64  | 101816  | 121.286 | ug/l | 98     |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 354375  | 141.438 | ug/l | 100    |
| 8) Diethyl Ether             | 2.136 | 74  | 125840  | 133.219 | ug/l | 96     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 162988  | 109.922 | ug/l | 96     |
| 10) Methyl Iodide            | 2.441 | 142 | 213858  | 102.481 | ug/l | 96     |
| 11) Tert butyl alcohol       | 3.002 | 59  | 184757  | 546.882 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 158111  | 109.868 | ug/l | 89     |
| 13) Acrolein                 | 2.240 | 56  | 200929  | 530.320 | ug/l | 99     |
| 14) Allyl chloride           | 2.654 | 41  | 276068  | 118.320 | ug/l | 90     |
| 15) Acrylonitrile            | 3.069 | 53  | 458624  | 527.361 | ug/l | 97     |
| 16) Acetone                  | 2.386 | 43  | 511112  | 598.985 | ug/l | 92     |
| 17) Carbon Disulfide         | 2.502 | 76  | 367958  | 117.100 | ug/l | 99     |
| 18) Methyl Acetate           | 2.703 | 43  | 247225  | 105.800 | ug/l | 96     |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 597600  | 112.347 | ug/l | 99     |
| 20) Methylene Chloride       | 2.782 | 84  | 178008  | 99.663  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 165989  | 105.798 | ug/l | 98     |
| 22) Diisopropyl ether        | 3.764 | 45  | 572855  | 112.380 | ug/l | 97     |
| 23) Vinyl Acetate            | 3.721 | 43  | 2570419 | 622.111 | ug/l | 97     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 327756  | 109.327 | ug/l | 99     |
| 25) 2-Butanone               | 4.562 | 43  | 690992  | 578.867 | ug/l | 98     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 299254  | 121.468 | ug/l | 97     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 206207  | 105.613 | ug/l | 94     |
| 28) Bromochloromethane       | 4.898 | 49  | 138227  | 109.575 | ug/l | 91     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 419337  | 543.649 | ug/l | 97     |
| 30) Chloroform               | 5.087 | 83  | 350923  | 112.294 | ug/l | 97     |
| 31) Cyclohexane              | 5.458 | 56  | 256114  | 105.404 | ug/l | 97     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 309469  | 115.841 | ug/l | 98     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 222573  | 107.931 | ug/l | 99     |
| 37) Ethyl Acetate            | 4.715 | 43  | 265631  | 114.453 | ug/l | 97     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 256290  | 117.390 | ug/l | 97     |
| 39) Methylcyclohexane        | 7.373 | 83  | 283075  | 109.652 | ug/l | 98     |
| 40) Benzene                  | 6.032 | 78  | 684139  | 105.520 | ug/l | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043929.D  
 Acq On : 21 Nov 2024 11:40  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 21 12:15:02 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 11:25:29 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 143256   | 118.447  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 271641   | 115.387  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 440615   | 120.346  | ug/l   | 94       |
| 44) Trichloroethene           | 7.123  | 130  | 169796   | 94.997   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 170741   | 107.450  | ug/l   | 99       |
| 46) Dibromomethane            | 7.574  | 93   | 135928   | 113.518  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 260442   | 123.792  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 210614   | 116.061  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 62845    | 1625.913 | ug/l # | 72       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1329064  | 582.189  | ug/l   | 95       |
| 52) Toluene                   | 8.714  | 92   | 418999   | 112.018  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 270418   | 126.680  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 285627   | 118.077  | ug/l # | 89       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 167357   | 114.675  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 286893   | 124.157  | ug/l # | 90       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 285511   | 116.773  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 698756   | 576.637  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 1011261  | 627.842  | ug/l   | 95       |
| 60) Dibromochloromethane      | 9.519  | 129  | 187476   | 131.832  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 176345   | 115.841  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 135740   | 98.157   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.080 | 112  | 461076   | 102.382  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 164586   | 109.812  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 812289   | 107.178  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 603451   | 213.769  | ug/l   | 96       |
| 69) o-Xylene                  | 10.640 | 106  | 298739   | 108.462  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 511251   | 112.628  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 123114   | 125.866  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 765623   | 103.086  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 394438   | 119.112  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 262302   | 104.456  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 219028m  | 103.148  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 183742   | 100.944  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 891893   | 108.835  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 537190   | 103.022  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 648916   | 105.408  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 88041    | 116.733  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 629590   | 104.841  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 655918   | 104.157  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 650156   | 103.992  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 793233   | 105.481  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 669819   | 106.078  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 337665   | 100.095  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 343312   | 99.262   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 605284   | 112.498  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 120913   | 113.763  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 341767   | 96.765   | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 57287    | 110.517  | ug/l   | 94       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 210571   | 102.015  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 79822    | 94.363   | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 776740   | 100.923  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 211814   | 98.491   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043929.D  
Acq On : 21 Nov 2024 11:40  
Operator : JC/MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

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

Quant Time: Nov 21 12:15:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 11:25:29 2024  
Response via : Initial Calibration

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

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

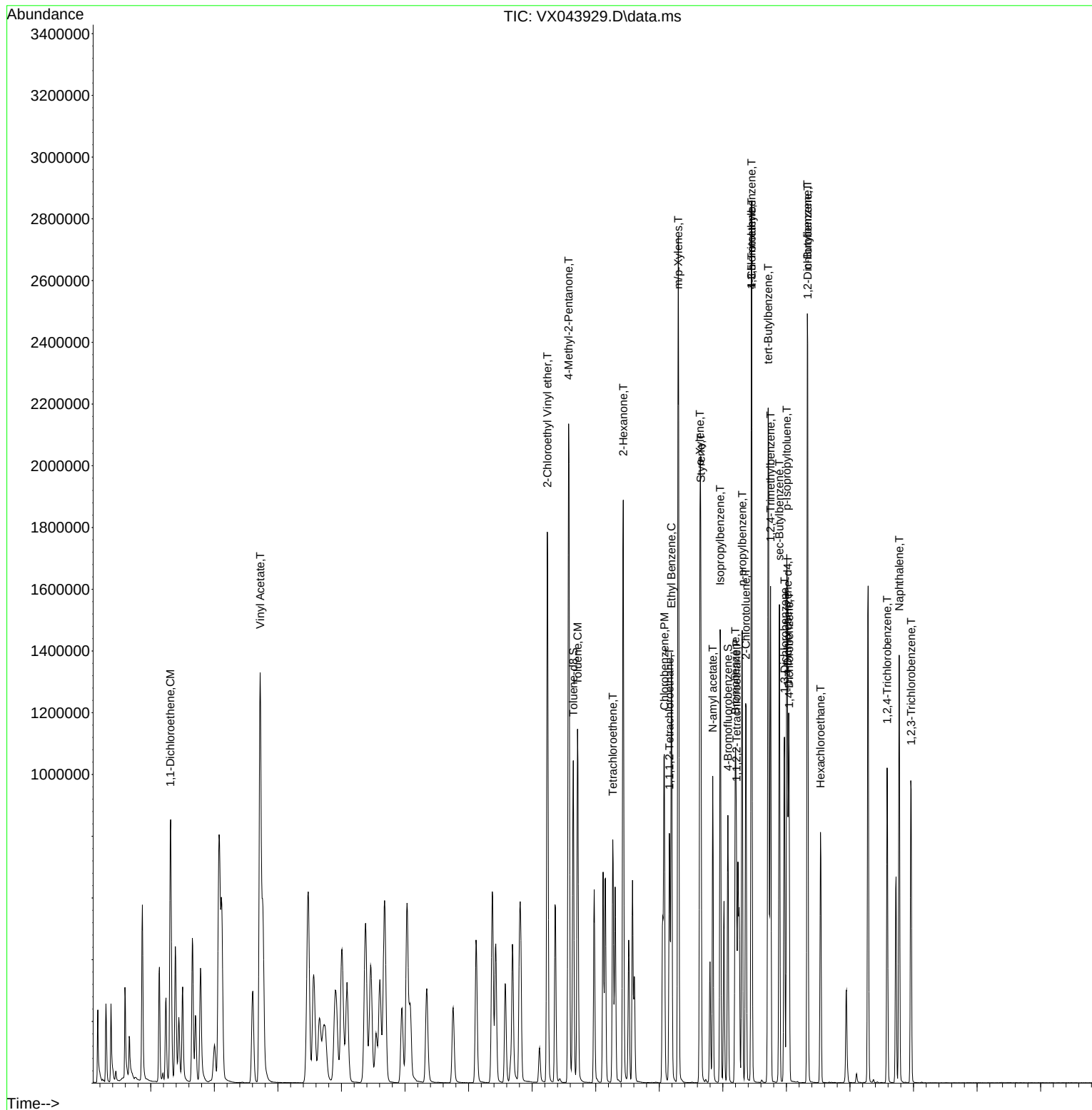
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Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

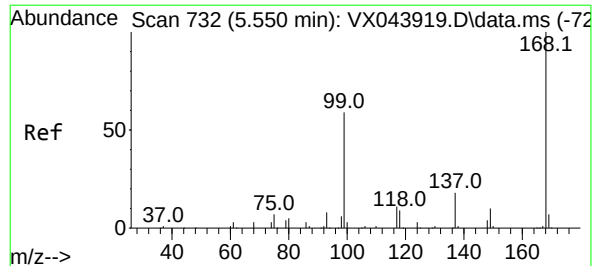
Manual Integrations  
APPROVED

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

Quant Time: Nov 21 12:15:02 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 11:25:29 2024  
Response via : Initial Calibration







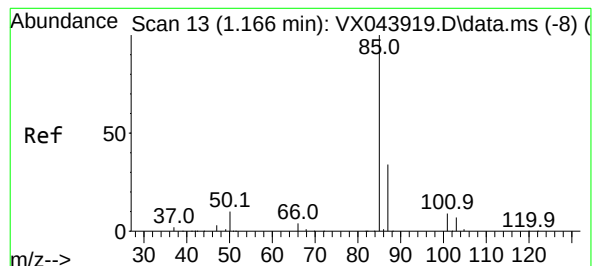
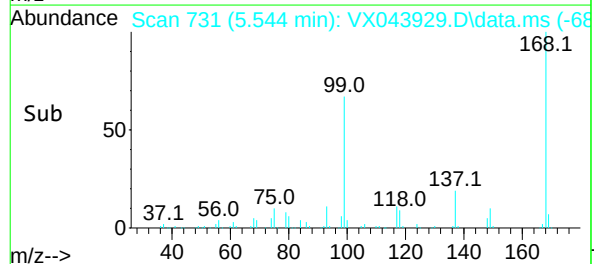
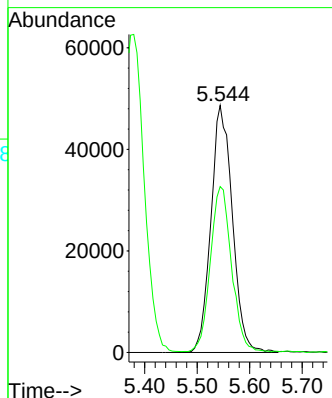
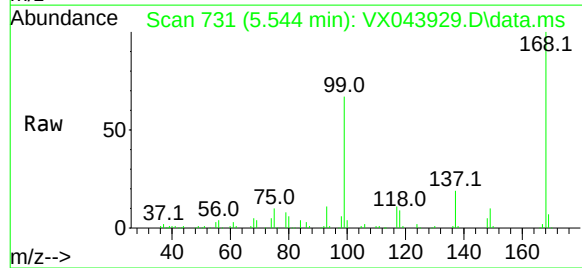
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 73  
Delta R.T. -0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion: 168 Resp: 138314  
Ion Ratio Lower Upper  
168 100  
99 66.7 46.9 70.3

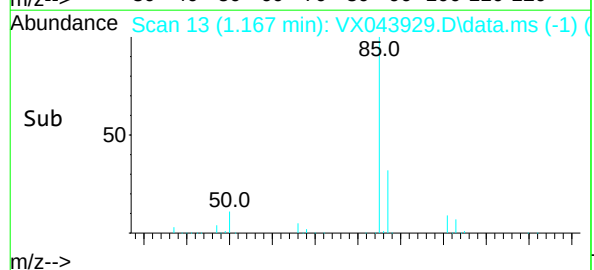
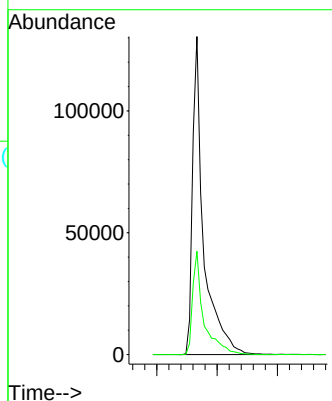
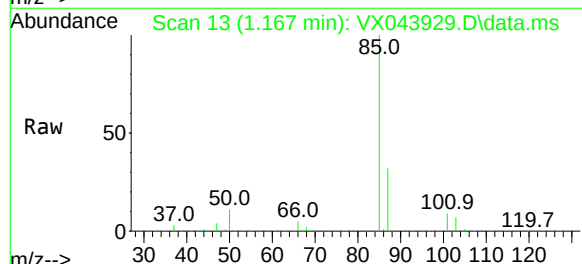
Manual Integrations  
APPROVED

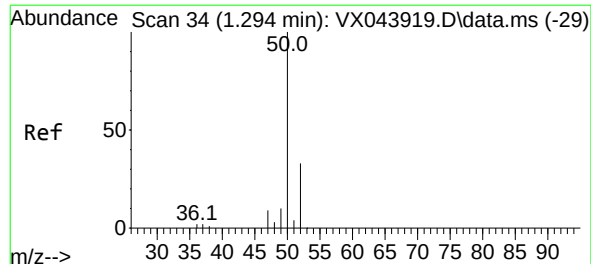
Reviewed By : John Carlone 11/22/2024  
Supervised By : Mahesh Dadoda 11/22/2024



#2  
Dichlorodifluoromethane  
Concen: 118.713 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145  
Ion Ratio Lower Upper  
85 100  
87 32.5 17.1 51.2





#3

Chloromethane

Concen: 105.136 ug/l

RT: 1.295 min Scan# 34

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 50 Resp: 183899

Ion Ratio Lower Upper

50 100

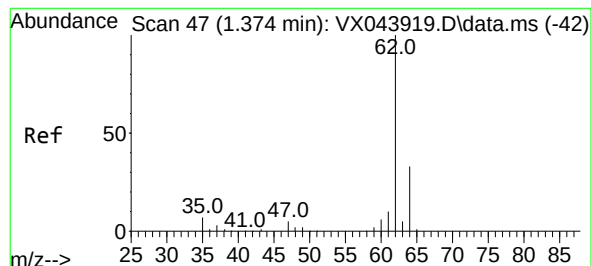
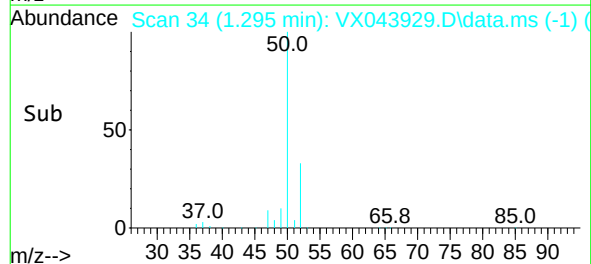
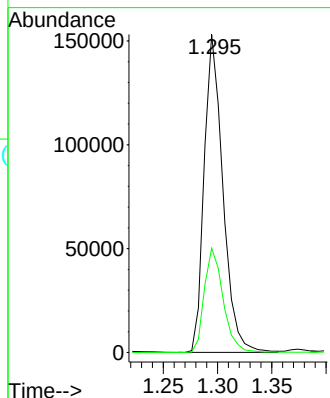
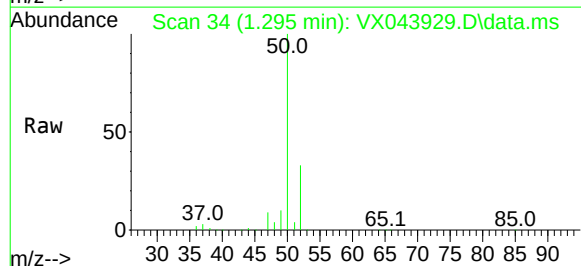
52 32.8 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 109.377 ug/l

RT: 1.374 min Scan# 47

Delta R.T. 0.000 min

Lab File: VX043929.D

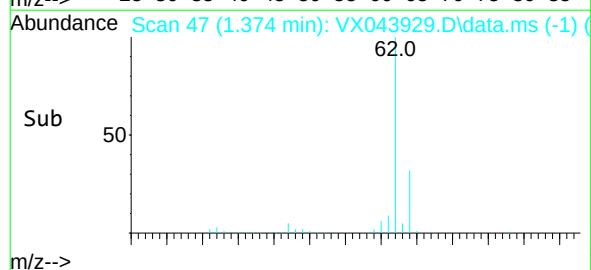
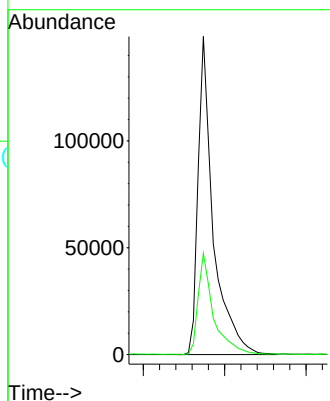
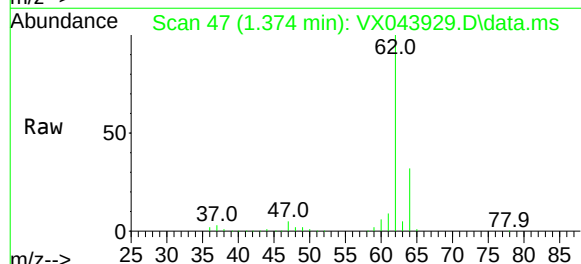
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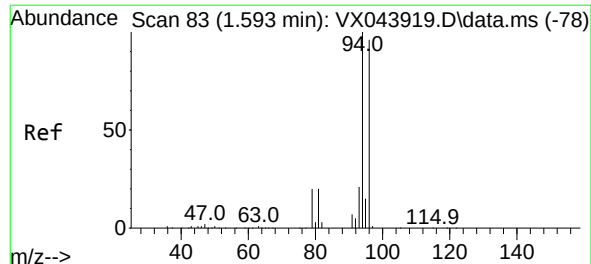
Tgt Ion: 62 Resp: 192221

Ion Ratio Lower Upper

62 100

64 31.7 26.1 39.1





#5

Bromomethane

Concen: 148.807 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 94 Resp: 118792

Ion Ratio Lower Upper

94 100

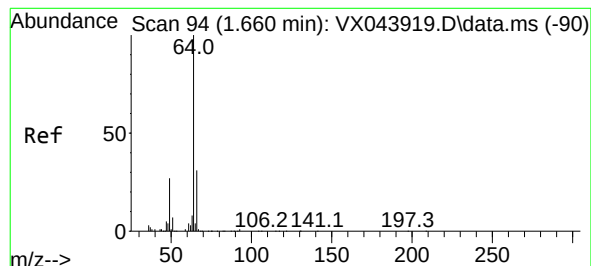
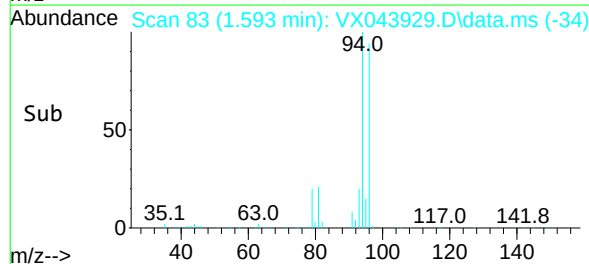
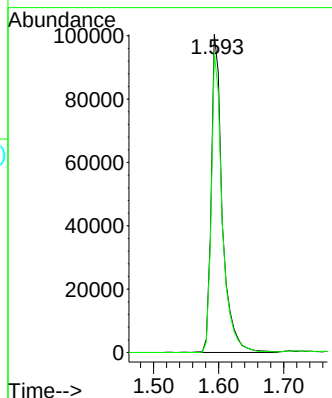
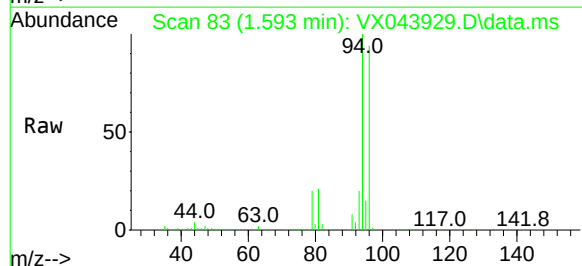
96 94.3 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 121.286 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043929.D

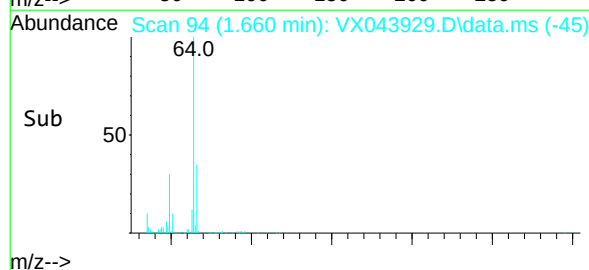
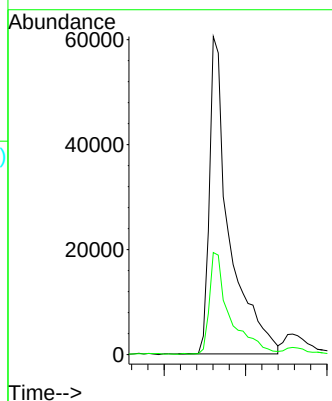
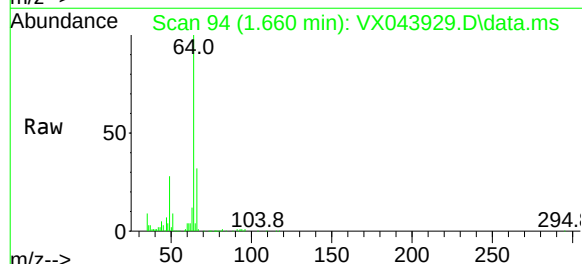
Acq: 21 Nov 2024 11:40

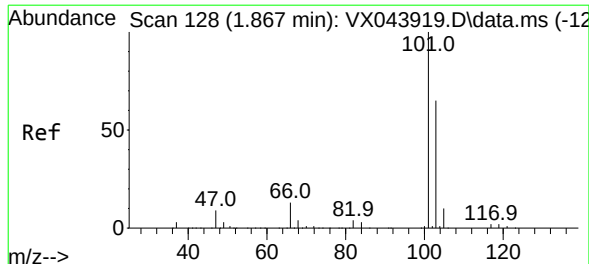
Tgt Ion: 64 Resp: 101816

Ion Ratio Lower Upper

64 100

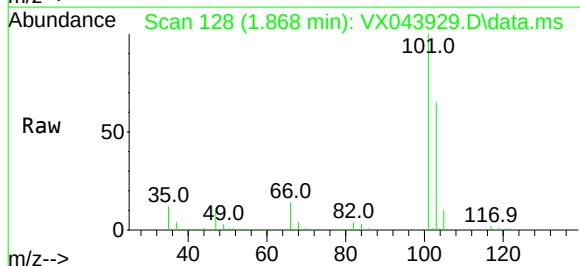
66 32.0 24.9 37.3





#7  
Trichlorofluoromethane  
Concen: 141.438 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. 0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

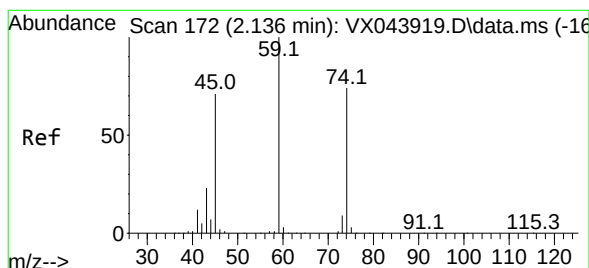
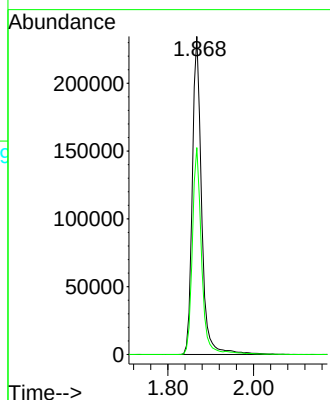
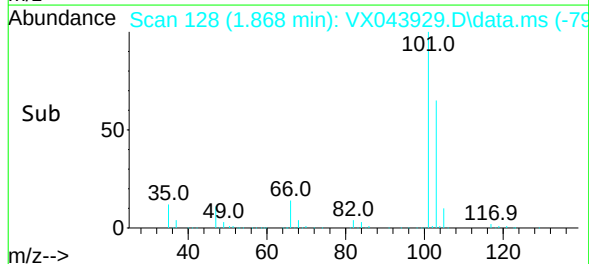
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100



Tgt Ion: 101 Resp: 354375  
Ion Ratio Lower Upper  
101 100  
103 65.0 52.2 78.4

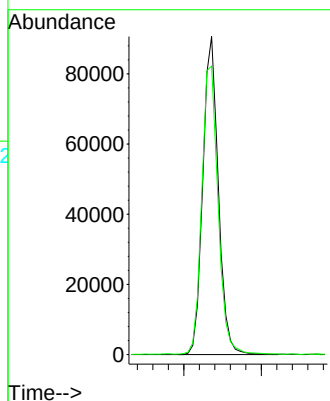
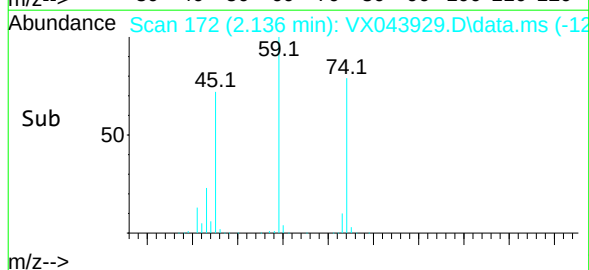
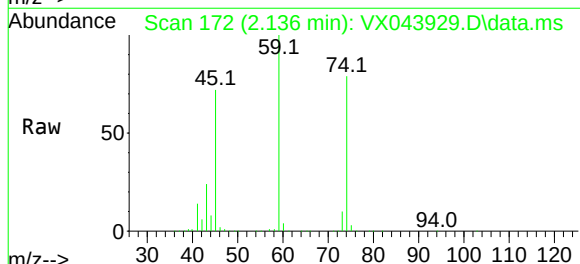
Manual Integrations  
APPROVED

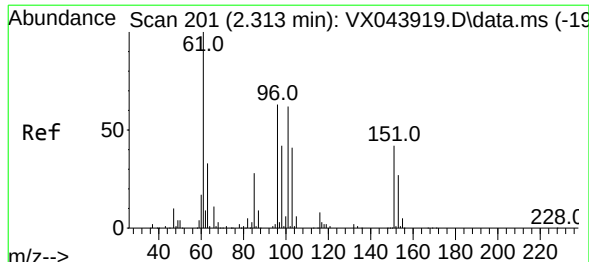
Reviewed By : John Carlone 11/22/2024  
Supervised By : Mahesh Dadoda 11/22/2024



#8  
Diethyl Ether  
Concen: 133.219 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840  
Ion Ratio Lower Upper  
74 100  
45 95.5 49.9 149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 109.922 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

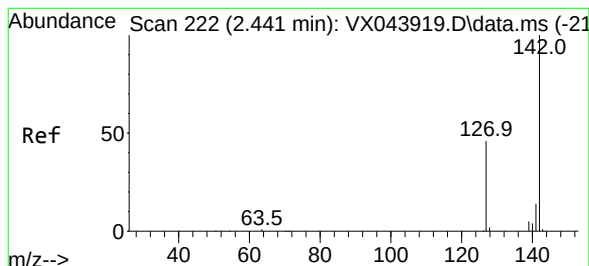
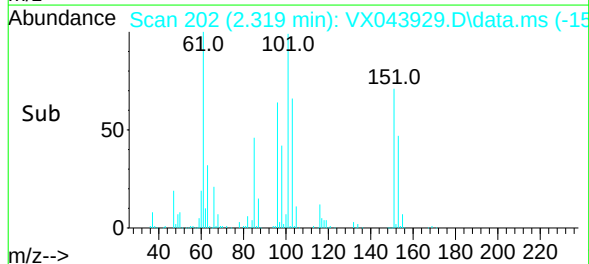
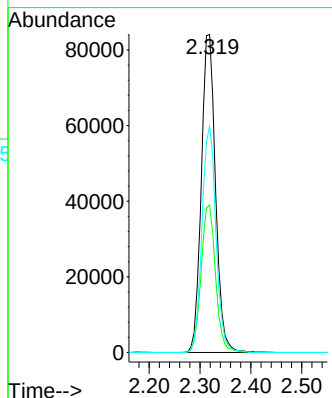
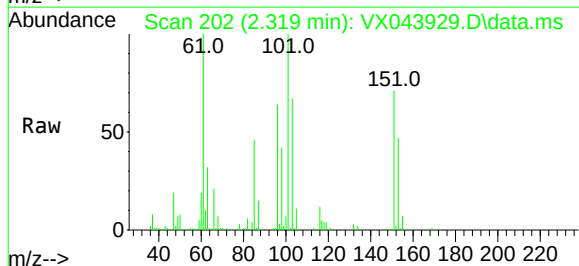
ClientSampleId :

VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 101   | Resp: | 162988 |
| Ion      | Ratio | Lower | Upper  |
| 101      | 100   |       |        |
| 85       | 47.0  | 36.6  | 54.8   |
| 151      | 70.5  | 59.8  | 89.6   |

Manual Integrations  
APPROVED

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



#10

Methyl Iodide

Concen: 102.481 ug/l

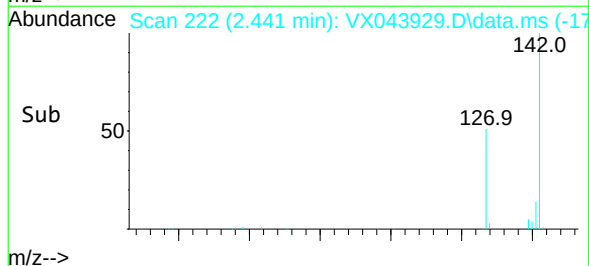
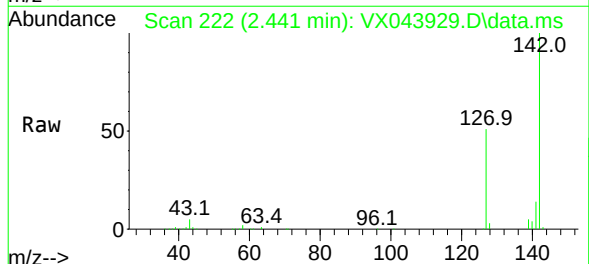
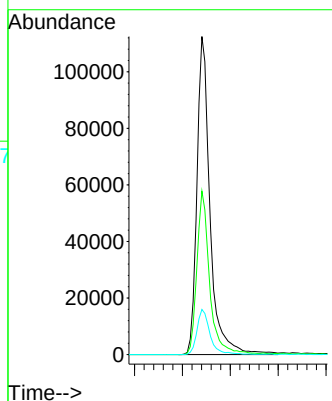
RT: 2.441 min Scan# 222

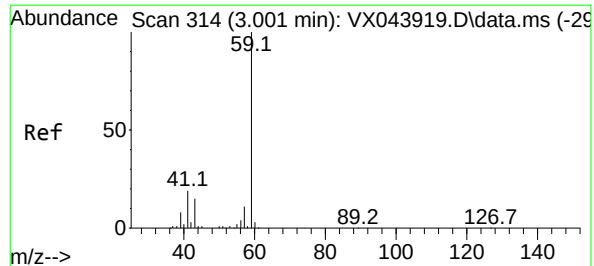
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 142   | Resp: | 213858 |
| Ion      | Ratio | Lower | Upper  |
| 142      | 100   |       |        |
| 127      | 50.0  | 37.3  | 55.9   |
| 141      | 14.1  | 11.4  | 17.2   |





#11

Tert butyl alcohol

Concen: 546.882 ug/l

RT: 3.002 min Scan# 314

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 59 Resp: 184757

Ion Ratio Lower Upper

59 100

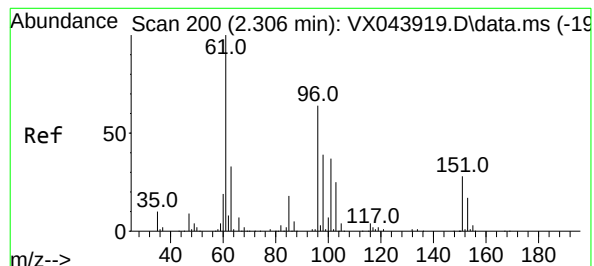
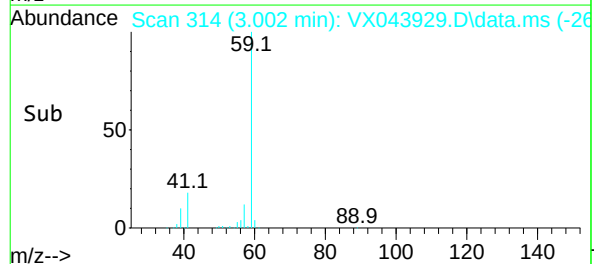
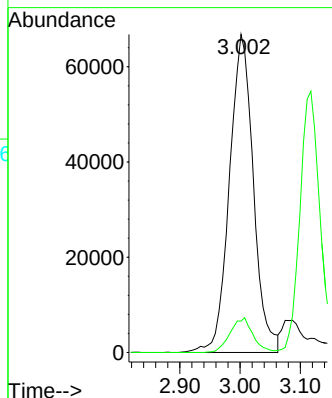
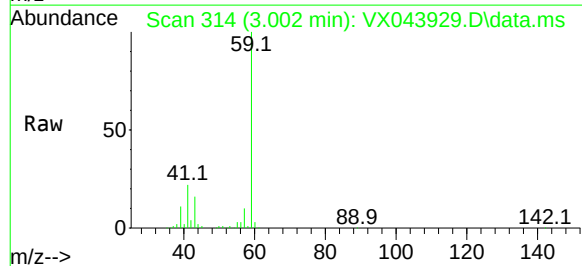
57 10.4 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 109.868 ug/l

RT: 2.307 min Scan# 200

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

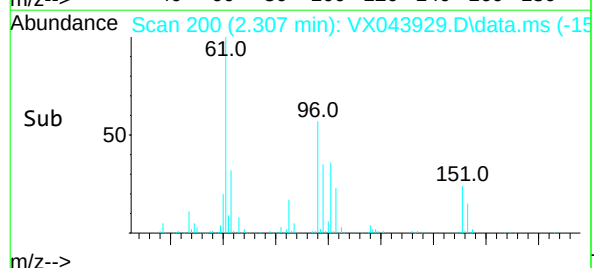
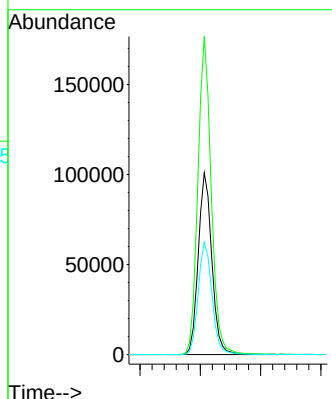
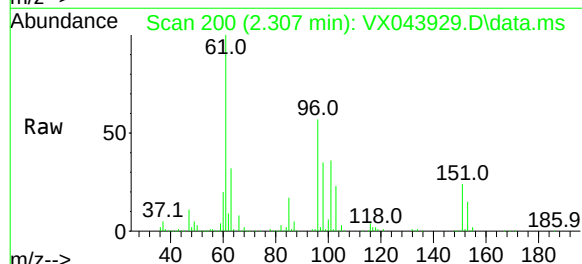
Tgt Ion: 96 Resp: 158111

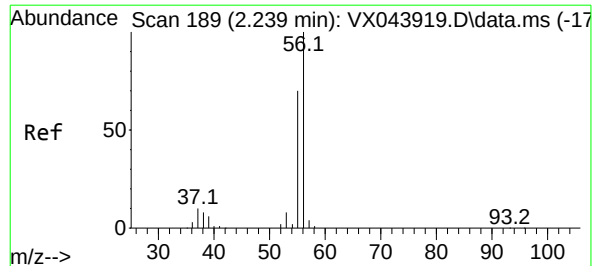
Ion Ratio Lower Upper

96 100

61 174.9 124.6 187.0

98 61.9 49.0 73.6





#13

Acrolein

Concen: 530.320 ug/l

RT: 2.240 min Scan# 189

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 56 Resp: 200929

Ion Ratio Lower Upper

56 100

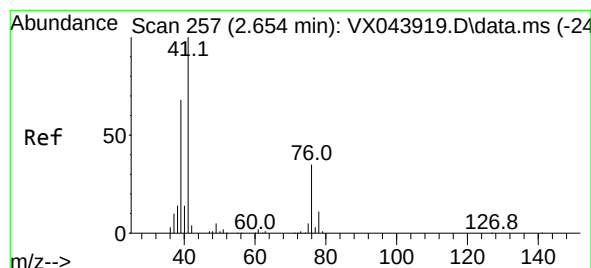
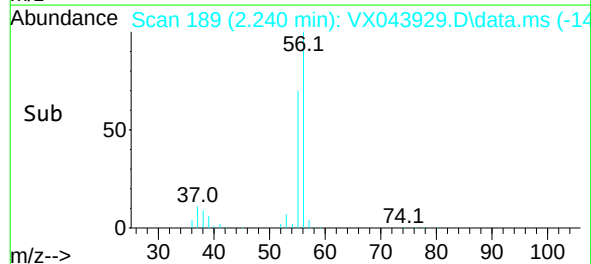
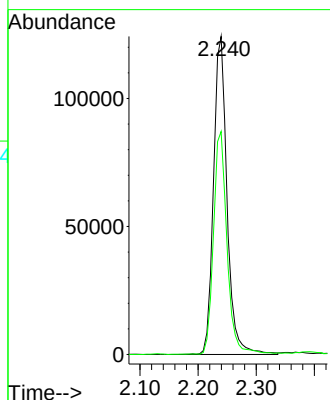
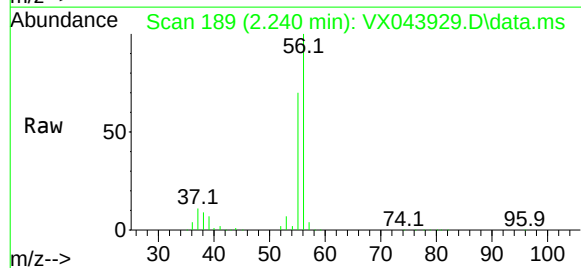
55 70.5 56.1 84.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 118.320 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

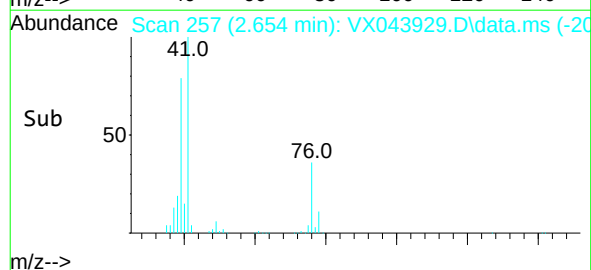
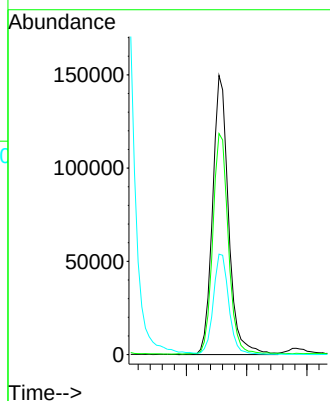
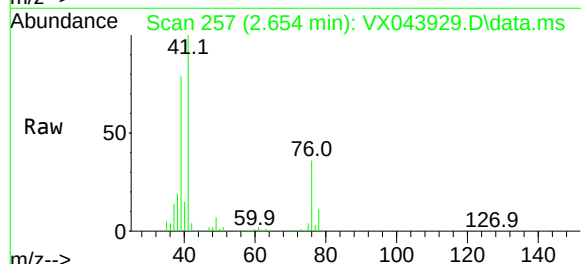
Tgt Ion: 41 Resp: 276068

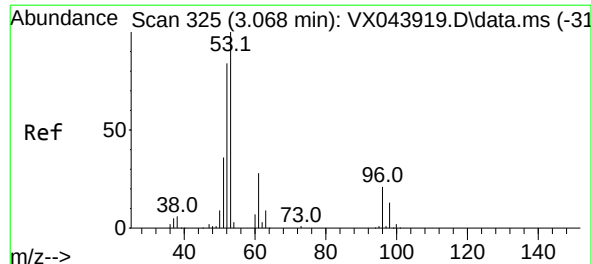
Ion Ratio Lower Upper

41 100

39 76.5 51.7 77.5

76 34.8 28.2 42.2





#15

Acrylonitrile

Concen: 527.361 ug/l

RT: 3.069 min Scan# 32

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

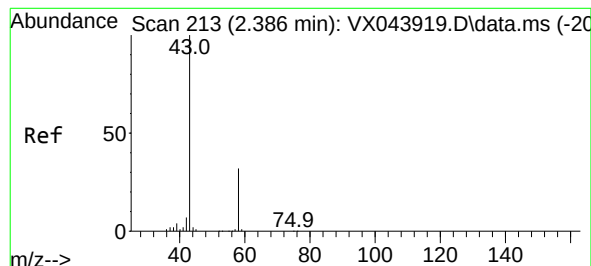
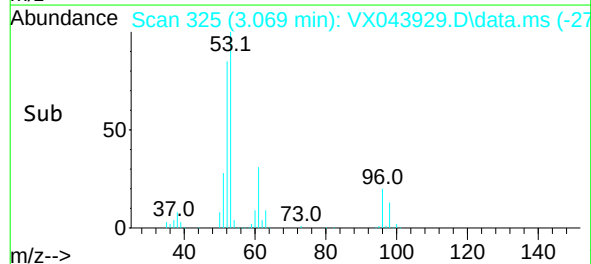
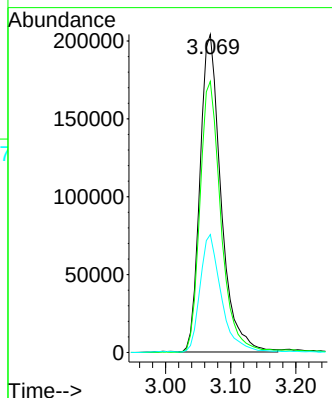
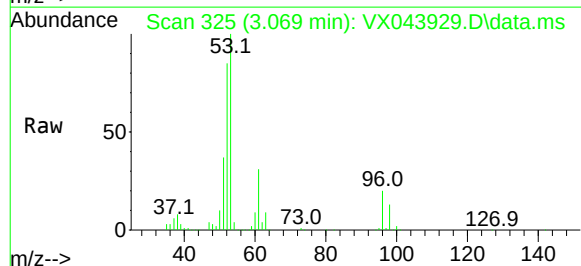
ClientSampleId :

VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 458624 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 85.0  | 65.8  | 98.8   |
| 51       | 37.0  | 28.6  | 42.8   |

Manual Integrations  
APPROVED

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



#16

Acetone

Concen: 598.985 ug/l

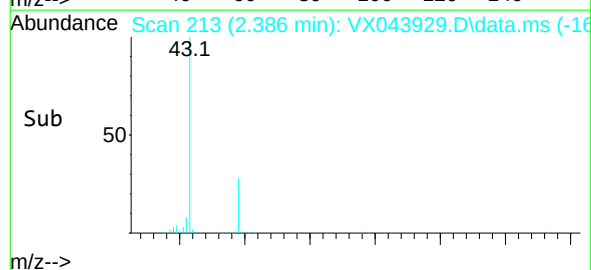
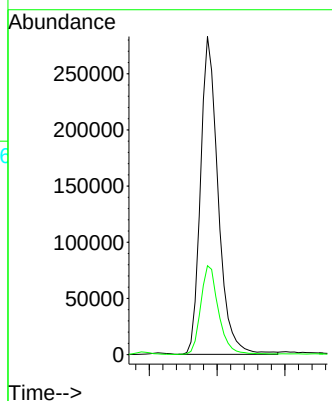
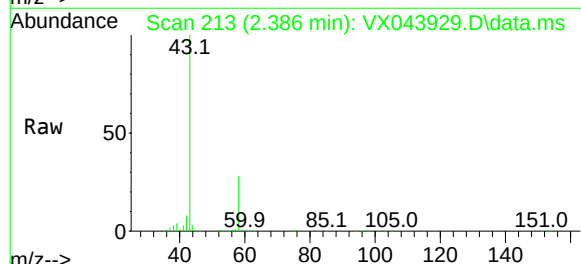
RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

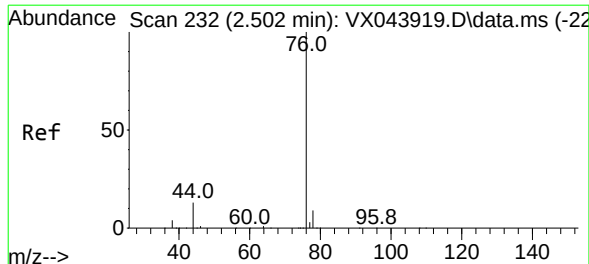
Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 511112 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.9  | 25.8  | 38.6   |







#17

Carbon Disulfide

Concen: 117.100 ug/l

RT: 2.502 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 367958

Ion Ratio Lower Upper

76 100

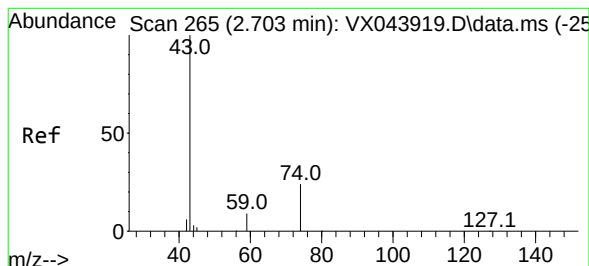
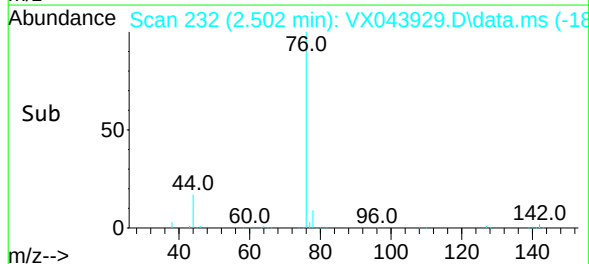
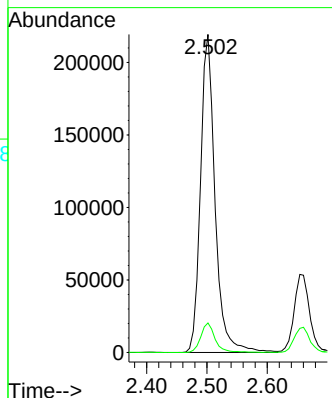
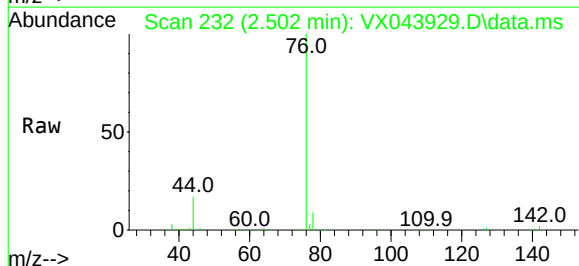
78 9.3 7.3 10.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 105.800 ug/l

RT: 2.703 min Scan# 265

Delta R.T. 0.000 min

Lab File: VX043929.D

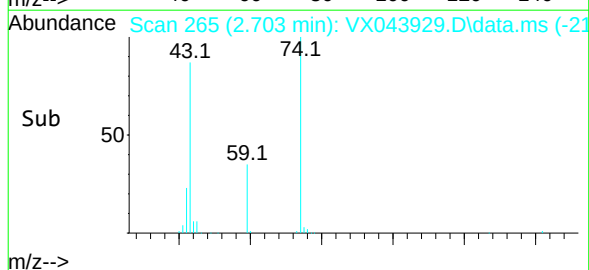
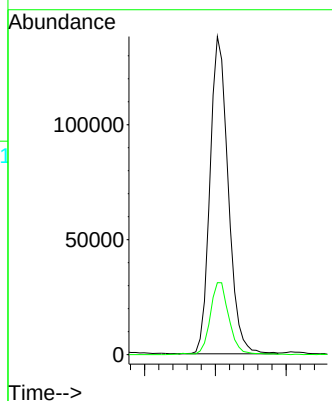
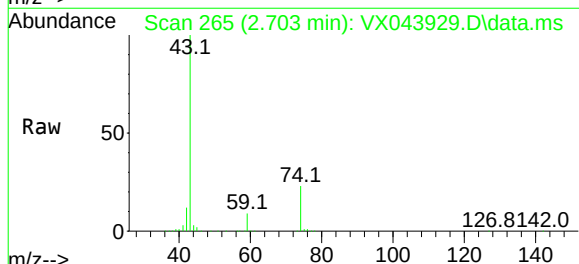
Acq: 21 Nov 2024 11:40

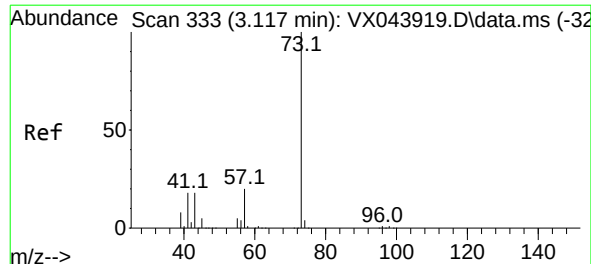
Tgt Ion: 43 Resp: 247225

Ion Ratio Lower Upper

43 100

74 23.3 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 112.347 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 73 Resp: 597600

Ion Ratio Lower Upper

73 100

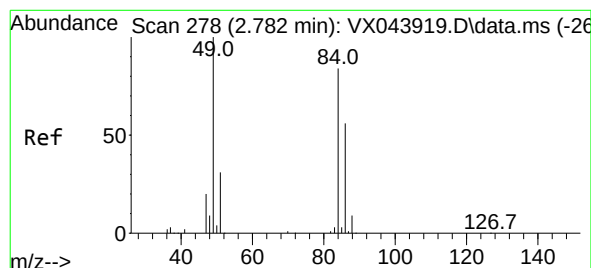
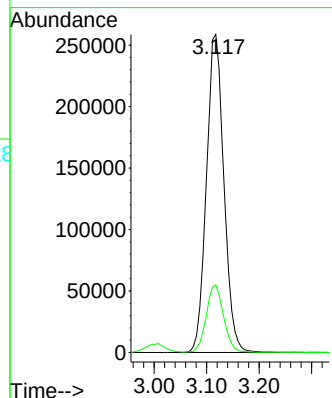
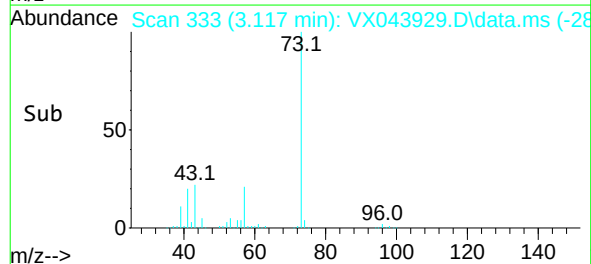
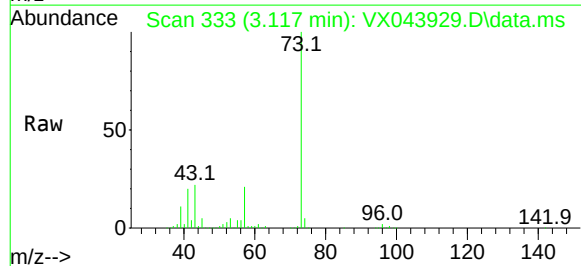
57 21.1 16.4 24.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 99.663 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

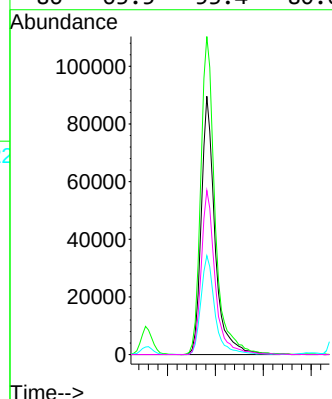
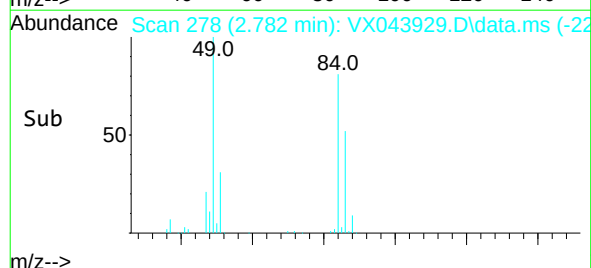
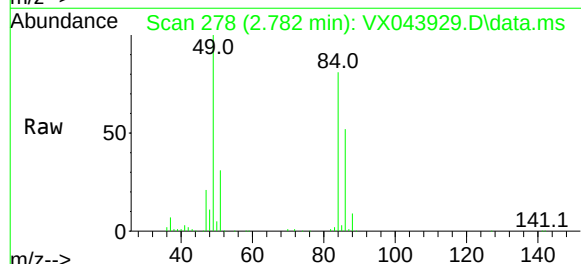
Ion Ratio Lower Upper

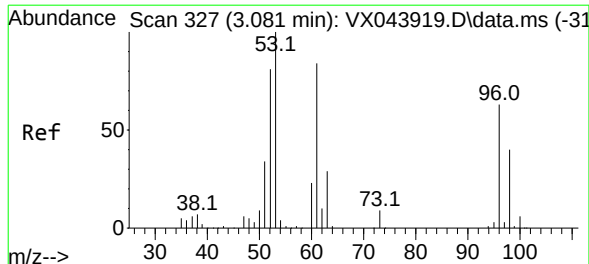
84 100

49 123.1 95.1 142.7

51 38.3 29.2 43.8

86 63.5 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 105.798 ug/l

RT: 3.087 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 96 Resp: 165989

Ion Ratio Lower Upper

96 100

61 131.1 106.4 159.6

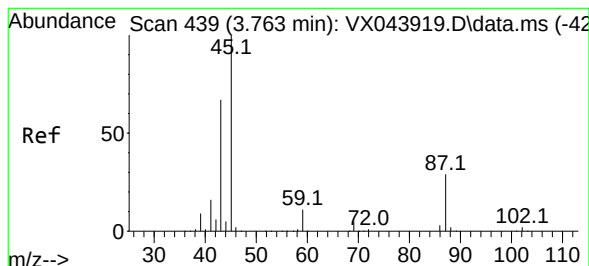
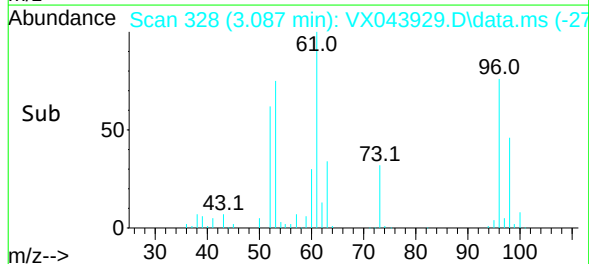
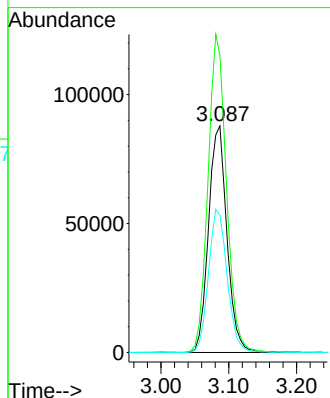
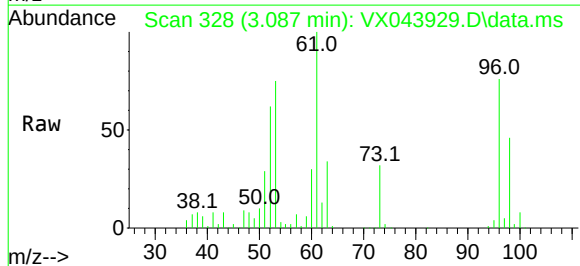
98 60.7 50.9 76.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 112.380 ug/l

RT: 3.764 min Scan# 439

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855

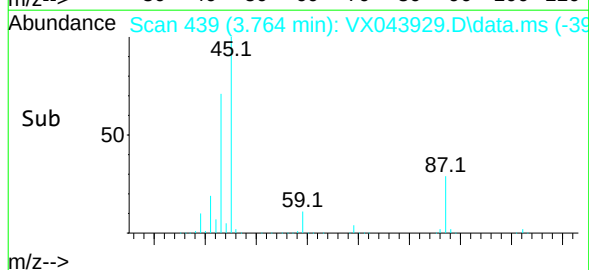
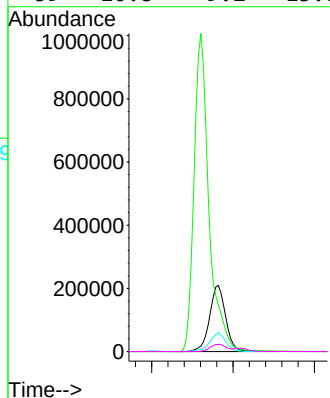
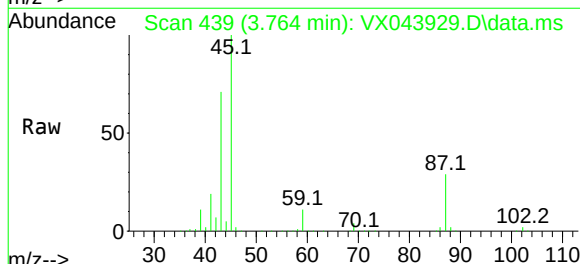
Ion Ratio Lower Upper

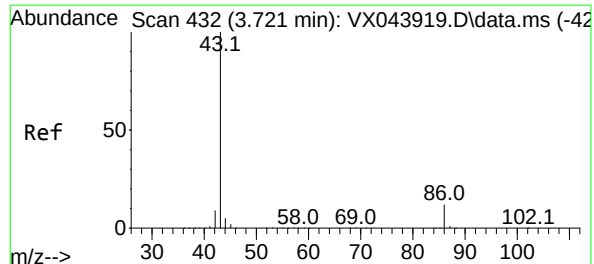
45 100

43 71.1 53.8 80.6

87 29.1 23.4 35.2

59 10.8 9.2 13.8





#23

Vinyl Acetate

Concen: 622.111 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 2570419

Ion Ratio Lower Upper

43 100

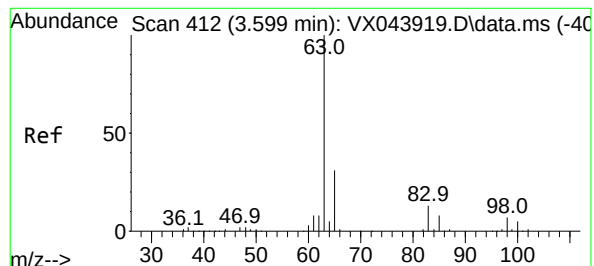
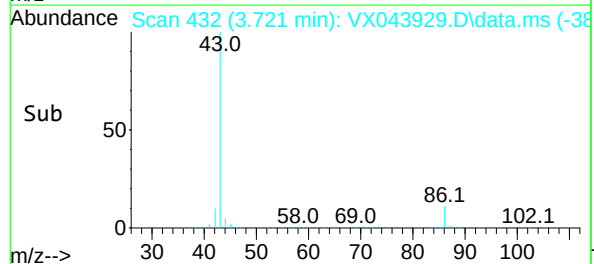
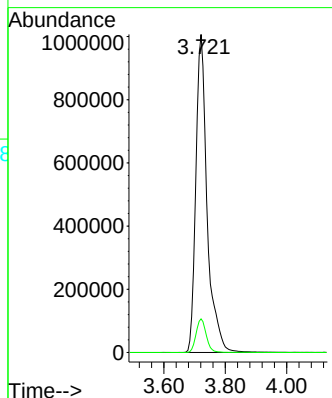
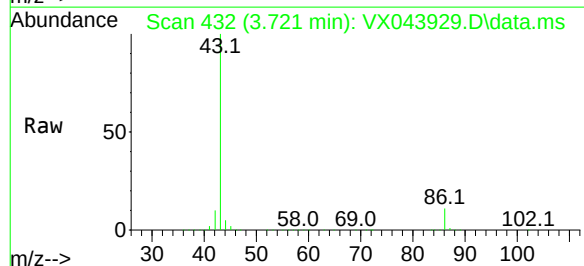
86 10.6 9.4 14.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 109.327 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

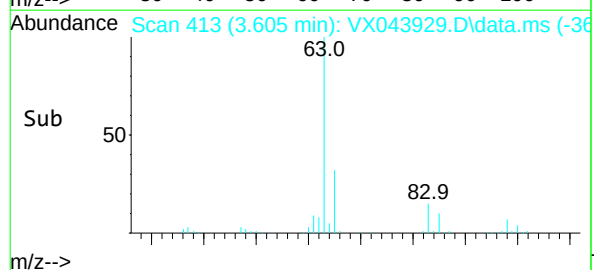
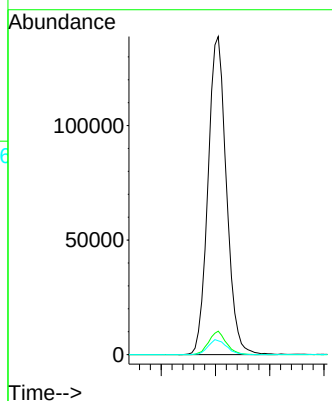
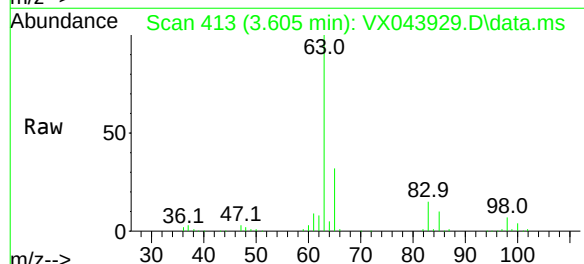
Tgt Ion: 63 Resp: 327756

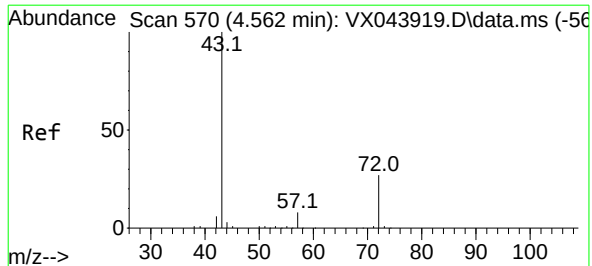
Ion Ratio Lower Upper

63 100

98 7.4 3.7 11.1

100 4.3 2.4 7.2





#25

2-Butanone

Concen: 578.867 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 690992

Ion Ratio Lower Upper

43 100

72 25.6 21.3 31.9

Instrument :

MSVOA\_X

ClientSampleId :

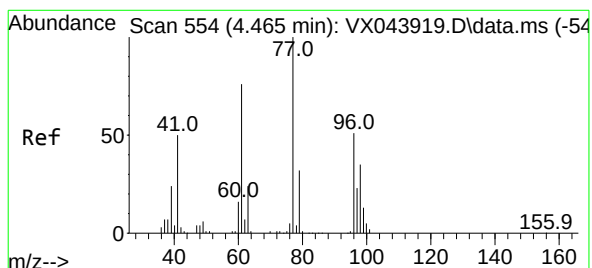
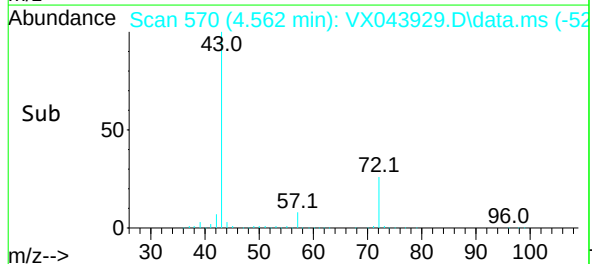
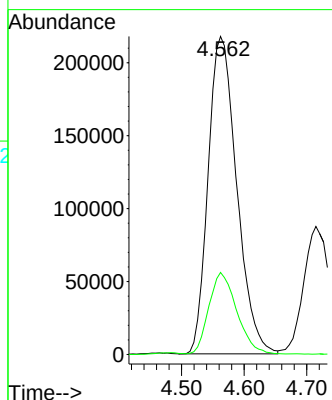
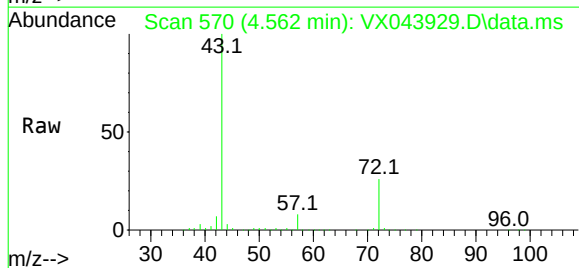
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 121.468 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043929.D

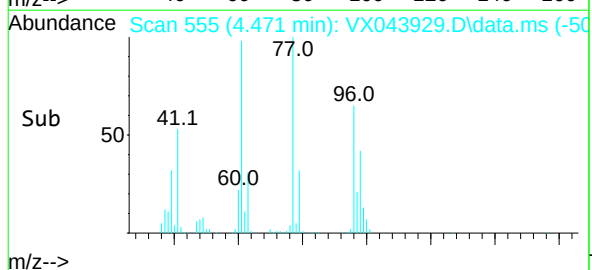
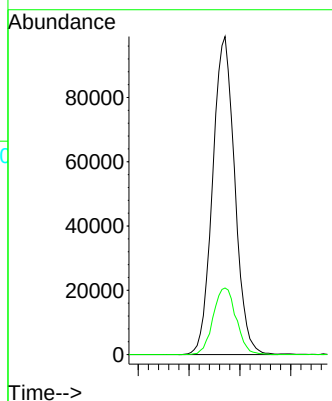
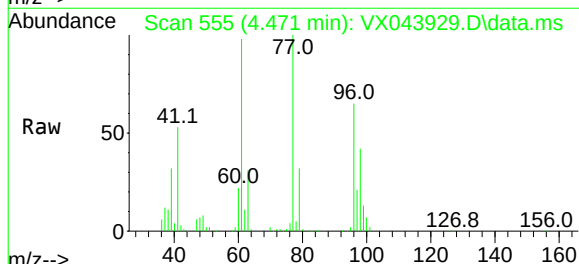
Acq: 21 Nov 2024 11:40

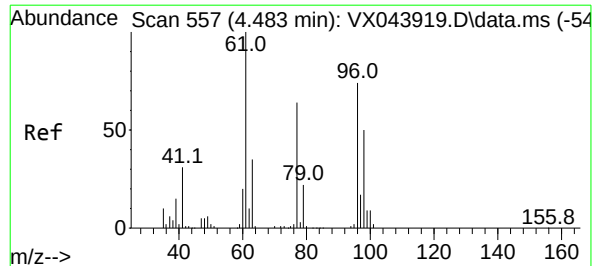
Tgt Ion: 77 Resp: 299254

Ion Ratio Lower Upper

77 100

97 21.8 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 105.613 ug/l

RT: 4.483 min Scan# 55

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 96 Resp: 206207

Ion Ratio Lower Upper

96 100

61 150.0 0.0 279.4

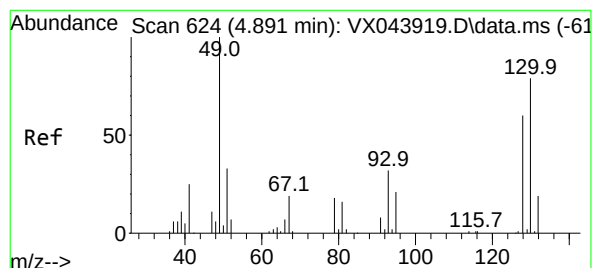
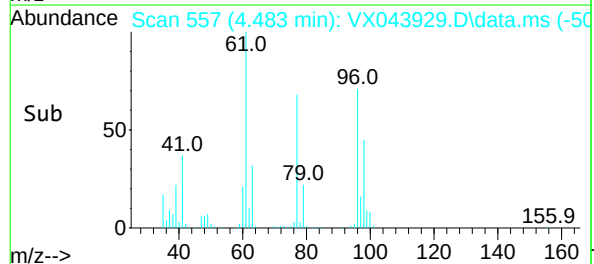
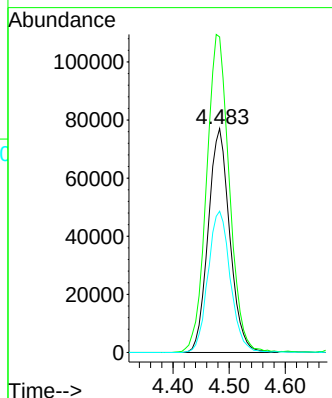
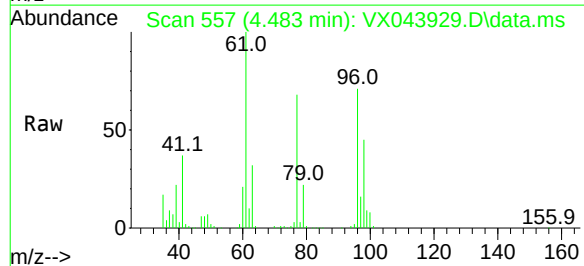
98 65.1 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 109.575 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

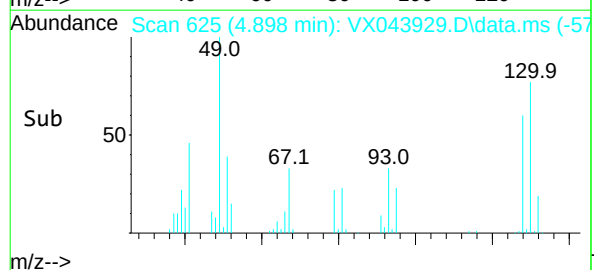
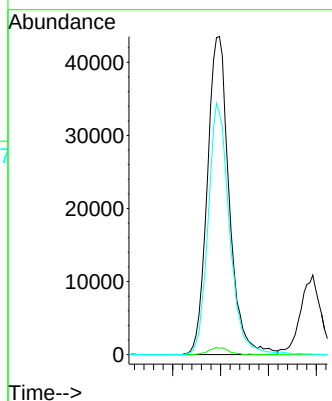
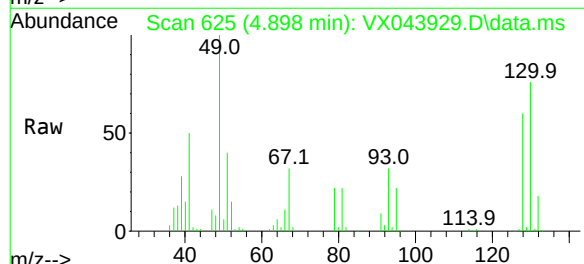
Tgt Ion: 49 Resp: 138227

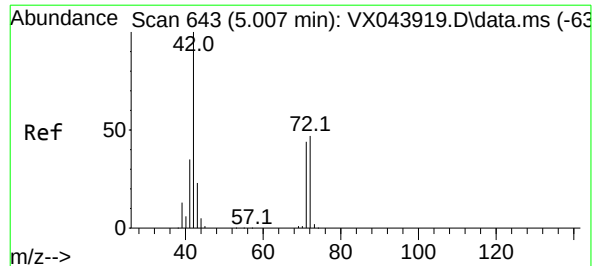
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.4

130 76.5 68.2 102.2





#29

Tetrahydrofuran

Concen: 543.649 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 42 Resp: 419337

Ion Ratio Lower Upper

42 100

72 45.0 37.9 56.9

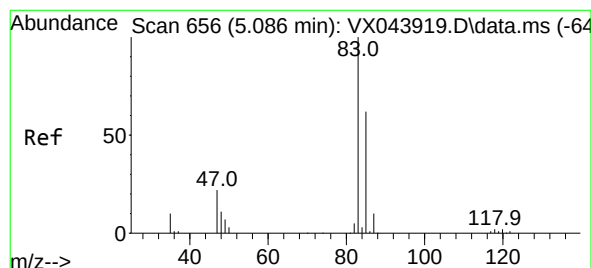
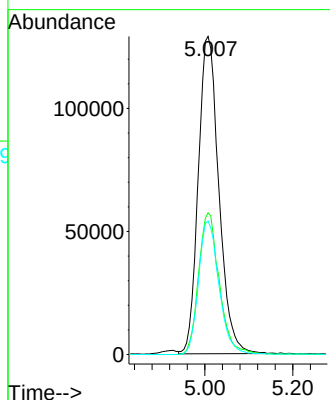
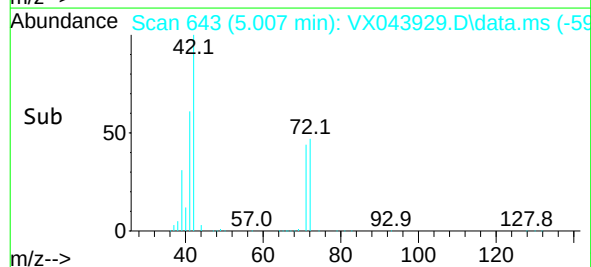
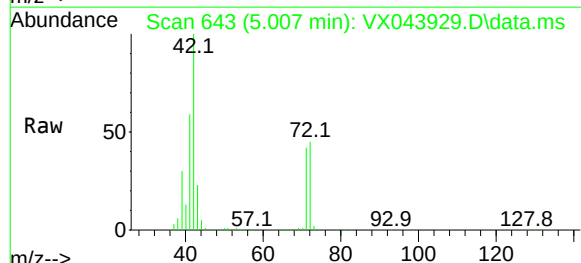
71 41.6 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 112.294 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.000 min

Lab File: VX043929.D

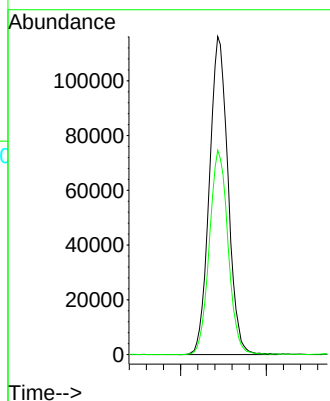
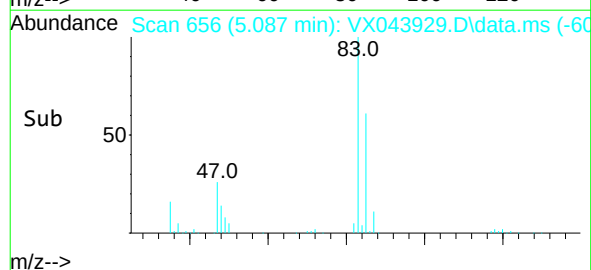
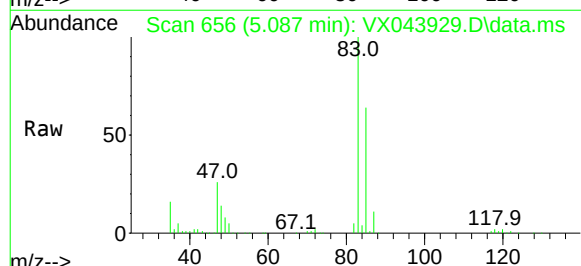
Acq: 21 Nov 2024 11:40

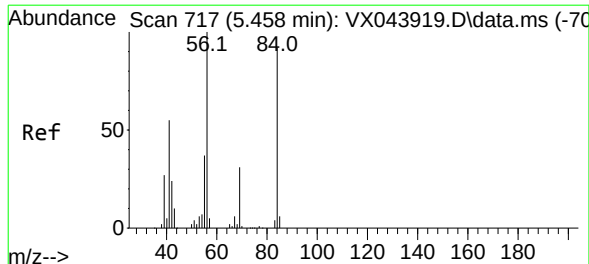
Tgt Ion: 83 Resp: 350923

Ion Ratio Lower Upper

83 100

85 64.3 49.7 74.5





#31

Cyclohexane

Concen: 105.404 ug/l

RT: 5.458 min Scan# 717

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 56 Resp: 256114

Ion Ratio Lower Upper

56 100

69 31.3 24.9 37.3

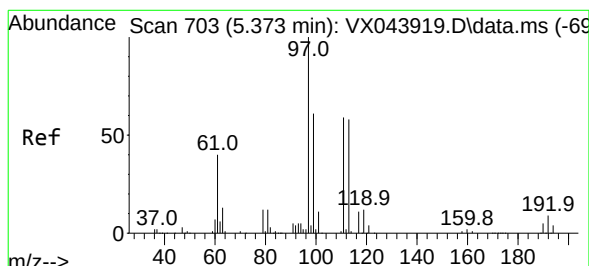
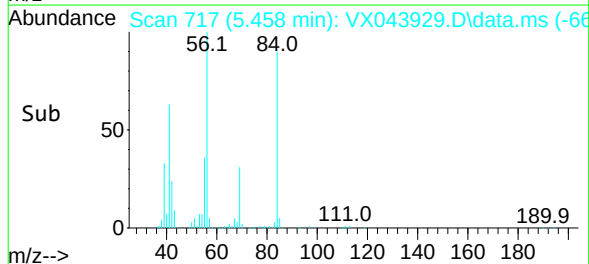
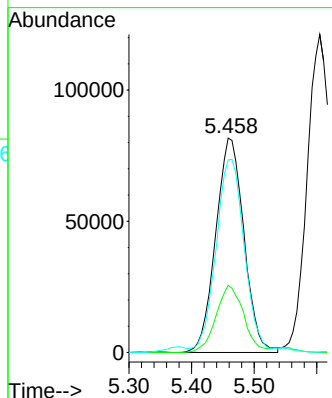
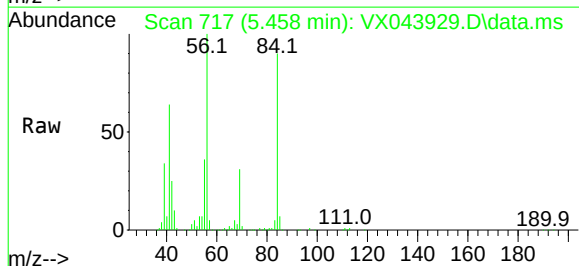
84 88.2 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 115.841 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

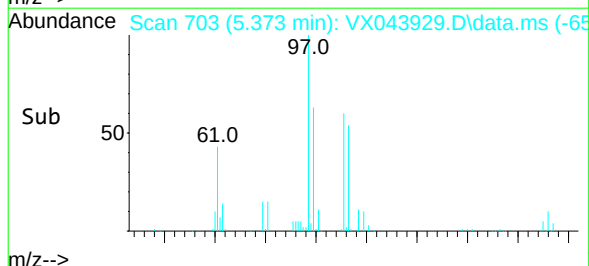
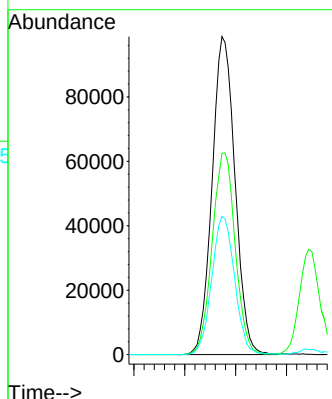
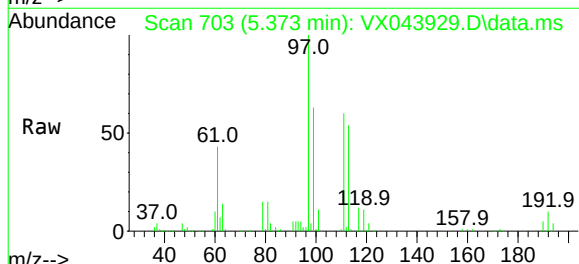
Tgt Ion: 97 Resp: 309469

Ion Ratio Lower Upper

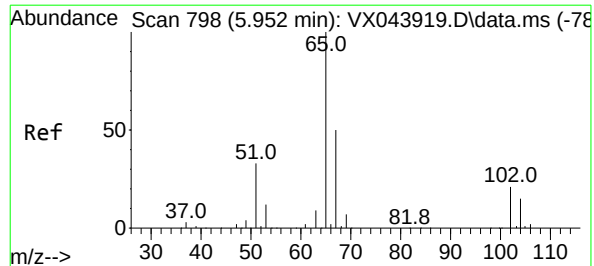
97 100

99 63.6 51.2 76.8

61 43.4 32.9 49.3







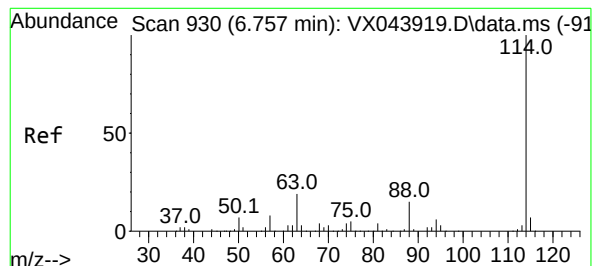
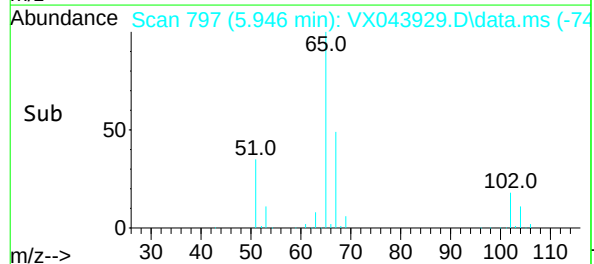
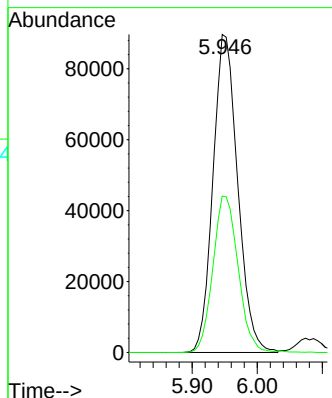
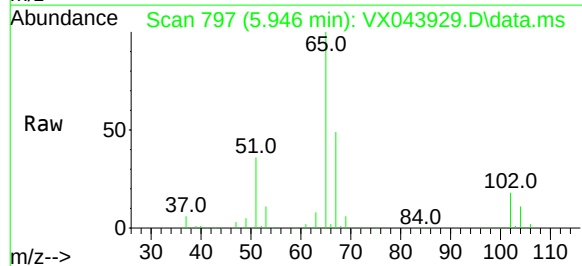
#33  
1,2-Dichloroethane-d4  
Concen: 111.333 ug/l  
RT: 5.946 min Scan# 798  
Delta R.T. -0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion: 65 Resp: 236531  
Ion Ratio Lower Upper  
65 100  
67 50.0 0.0 103.2

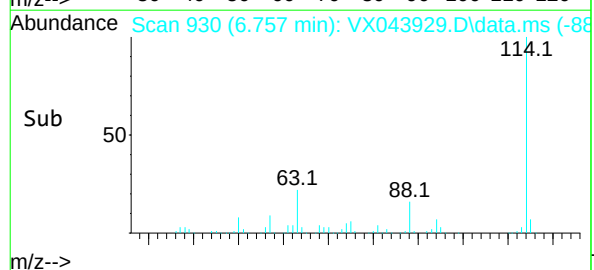
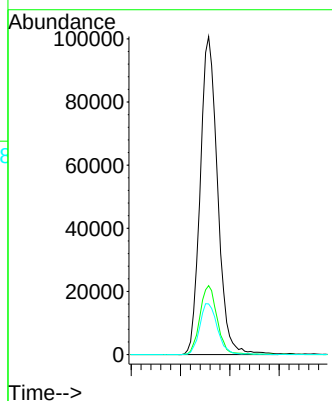
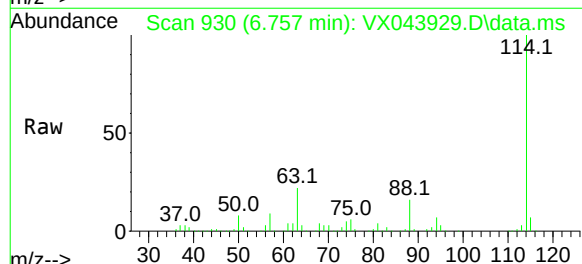
Manual Integrations  
APPROVED

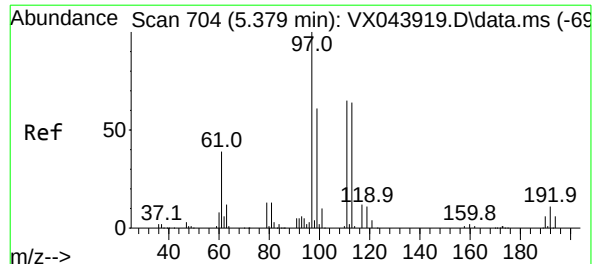
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. 0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion:114 Resp: 246419  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 39.0  
88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 106.893 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion:113 Resp: 176869

Ion Ratio Lower Upper

113 100

111 104.6 81.0 121.6

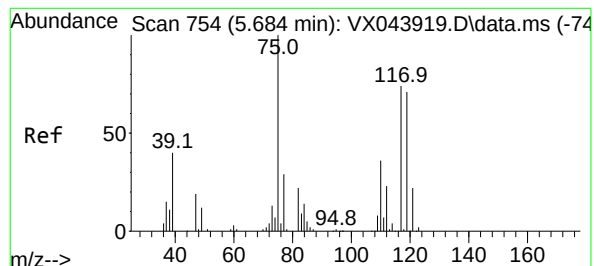
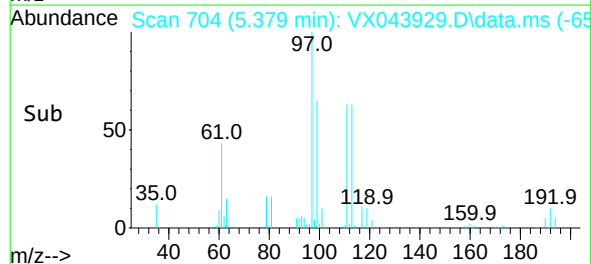
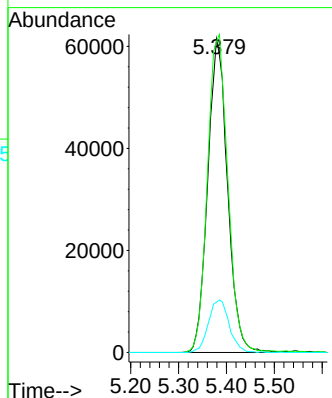
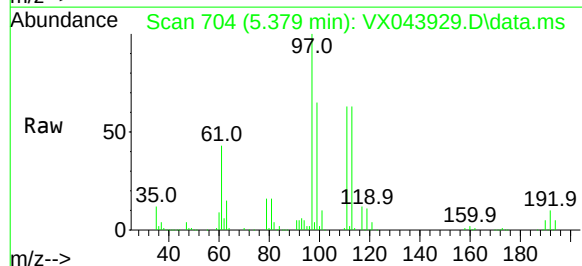
192 17.6 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 107.931 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

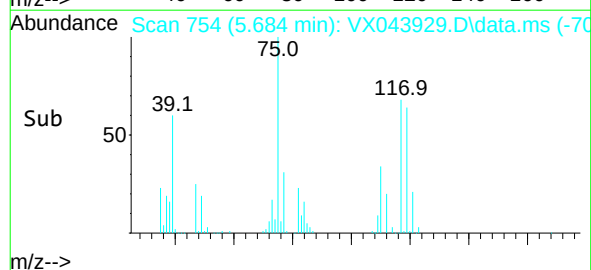
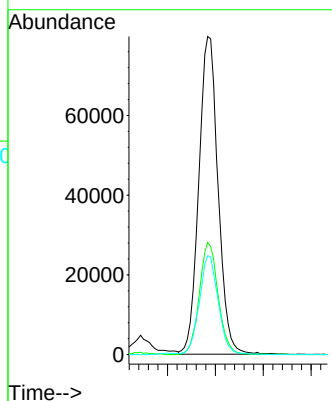
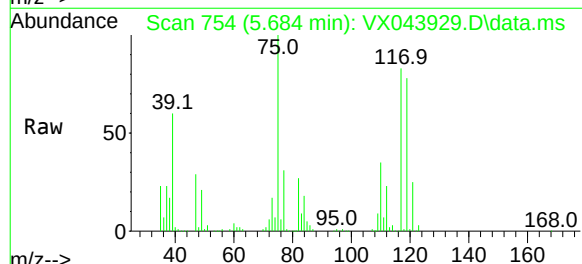
Tgt Ion: 75 Resp: 222573

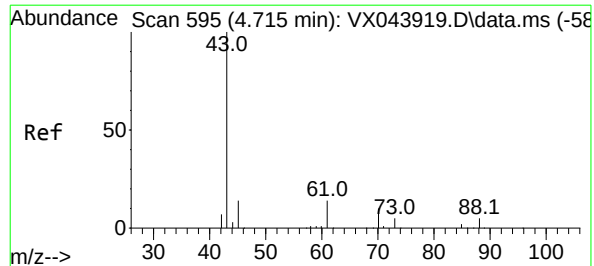
Ion Ratio Lower Upper

75 100

110 34.6 17.5 52.5

77 30.8 24.9 37.3





#37

Ethyl Acetate

Concen: 114.453 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 43 Resp: 265631

Ion Ratio Lower Upper

43 100

61 13.2 11.5 17.3

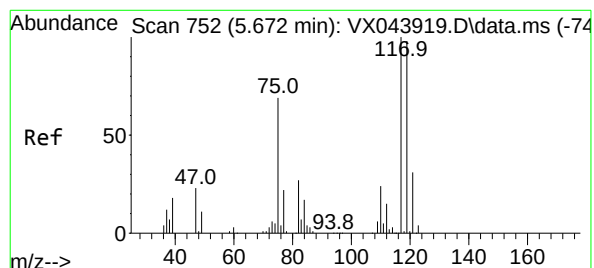
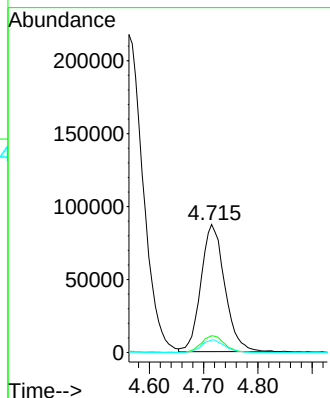
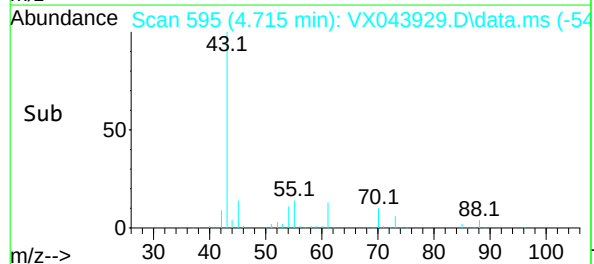
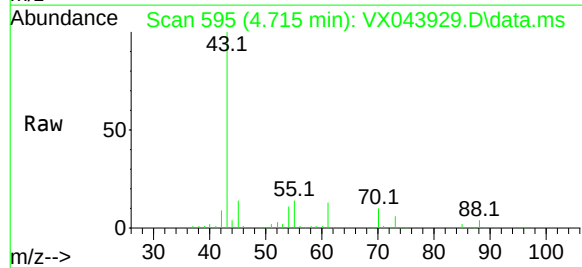
70 9.6 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 117.390 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

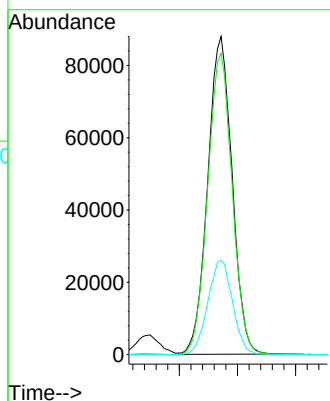
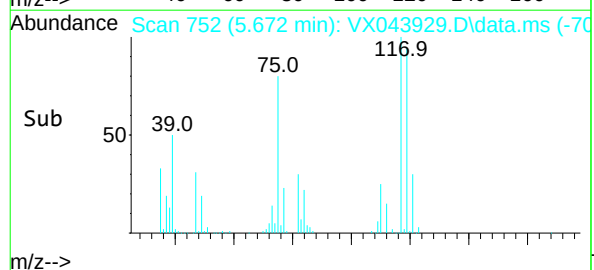
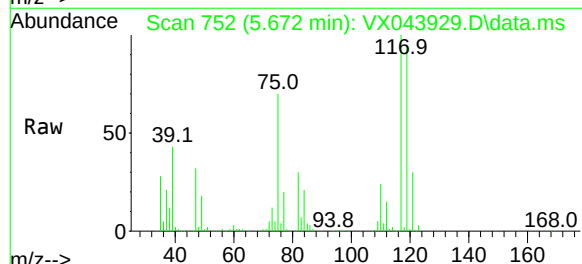
Tgt Ion:117 Resp: 256290

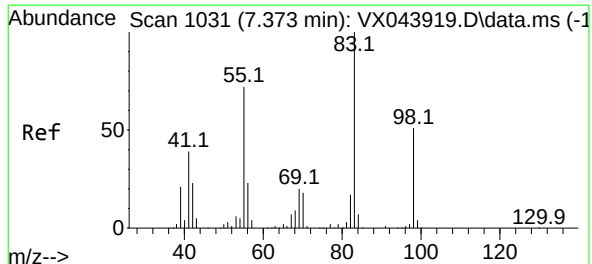
Ion Ratio Lower Upper

117 100

119 94.7 78.3 117.5

121 29.8 25.1 37.7





#39

Methylcyclohexane

Concen: 109.652 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 283075

Ion Ratio Lower Upper

83 100

55 74.7 57.9 86.9

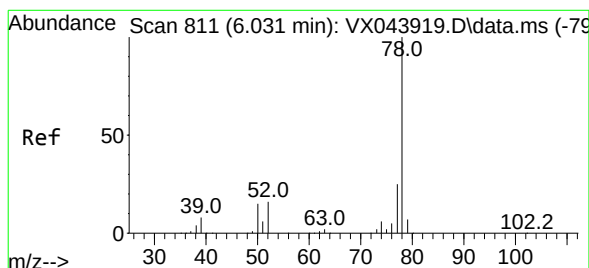
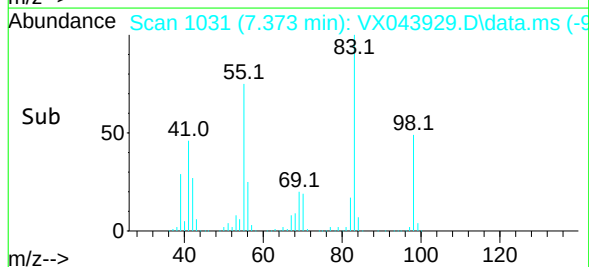
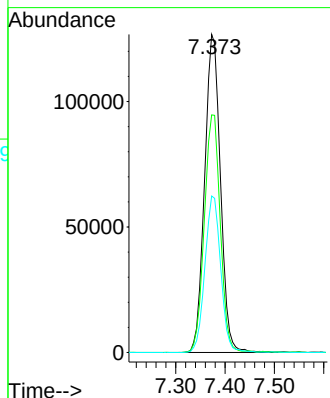
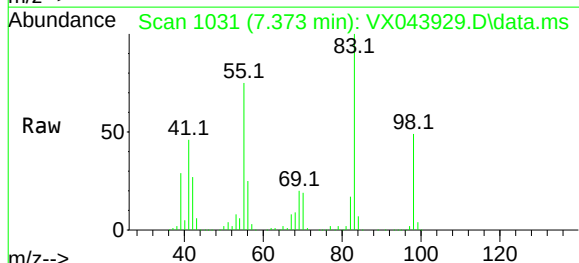
98 49.2 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 105.520 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX043929.D

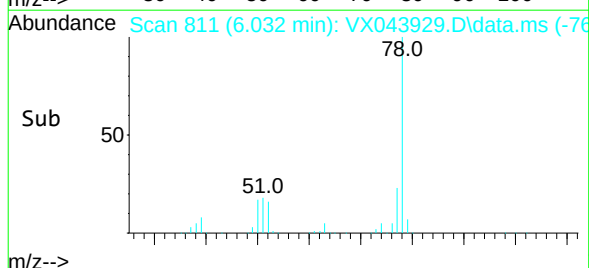
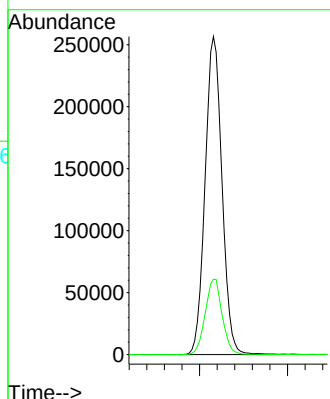
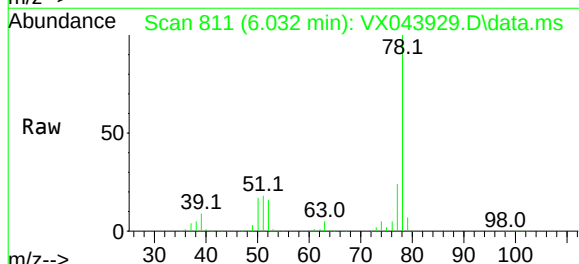
Acq: 21 Nov 2024 11:40

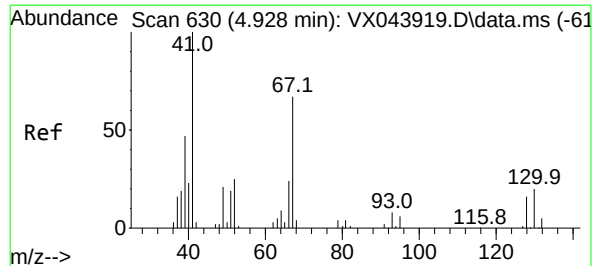
Tgt Ion: 78 Resp: 684139

Ion Ratio Lower Upper

78 100

77 23.7 19.8 29.8





#41

Methacrylonitrile

Concen: 118.447 ug/l

RT: 4.922 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 41 Resp: 143256

Ion Ratio Lower Upper

41 100

39 56.3 41.2 61.8

67 69.3 60.3 90.5

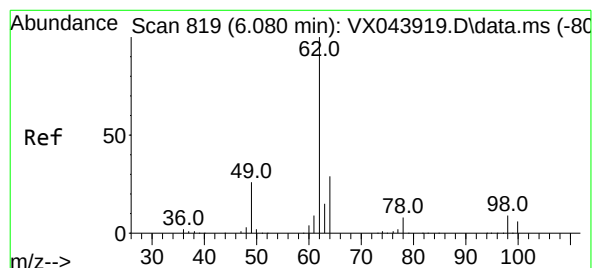
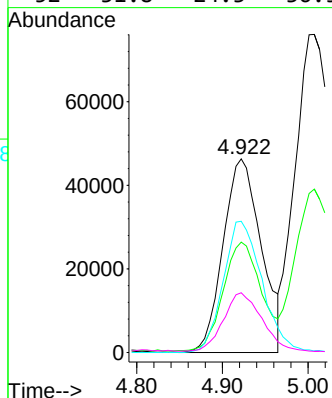
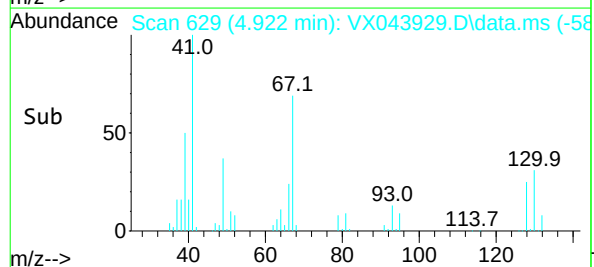
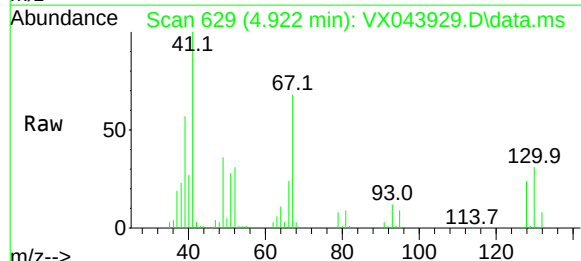
52 31.8 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 115.387 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.000 min

Lab File: VX043929.D

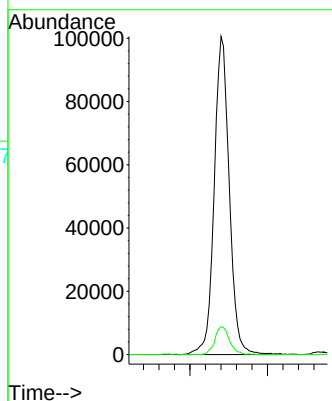
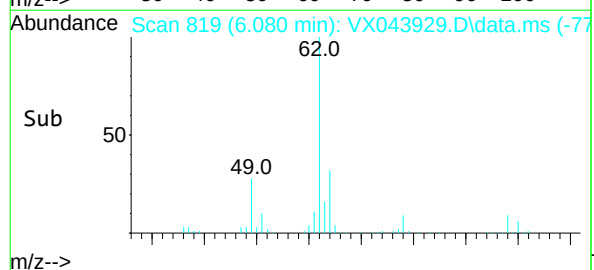
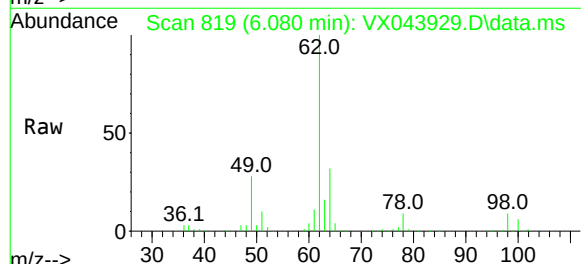
Acq: 21 Nov 2024 11:40

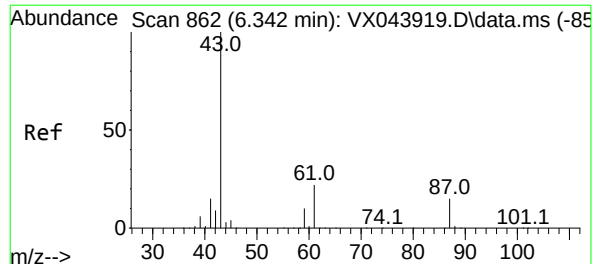
Tgt Ion: 62 Resp: 271641

Ion Ratio Lower Upper

62 100

98 8.6 0.0 18.6





#43

Isopropyl Acetate

Concen: 120.346 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 43 Resp: 440615

Ion Ratio Lower Upper

43 100

61 18.3 16.9 25.3

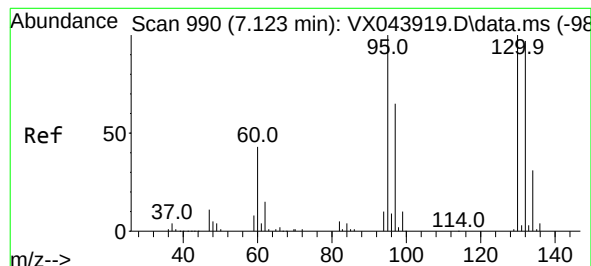
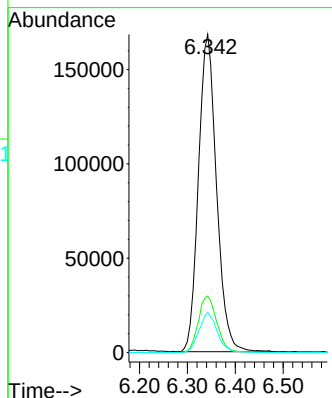
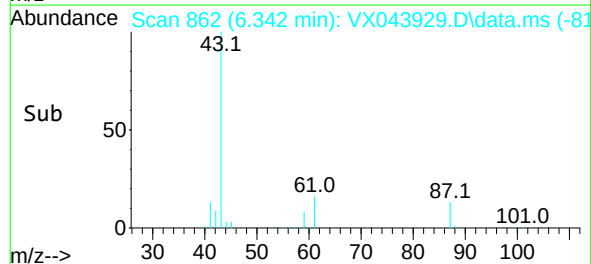
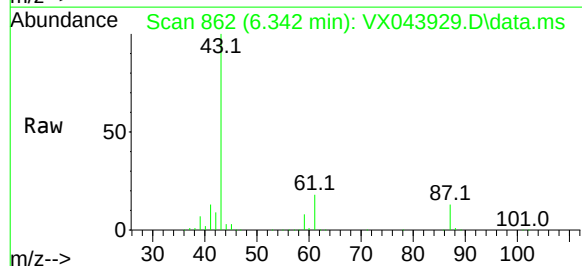
87 12.7 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 94.997 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX043929.D

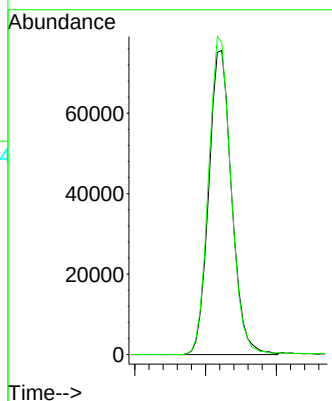
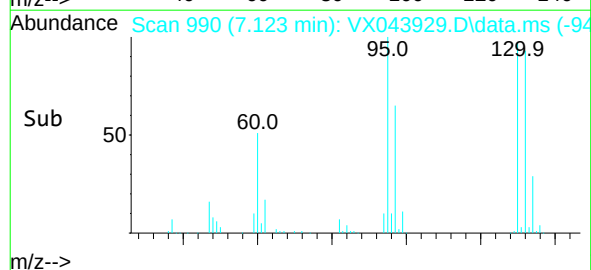
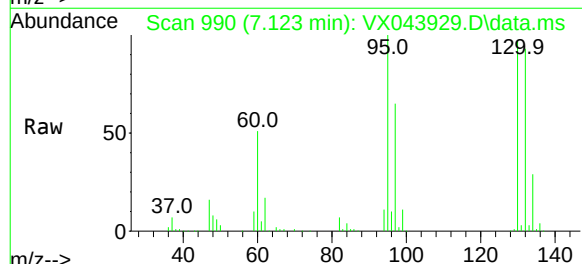
Acq: 21 Nov 2024 11:40

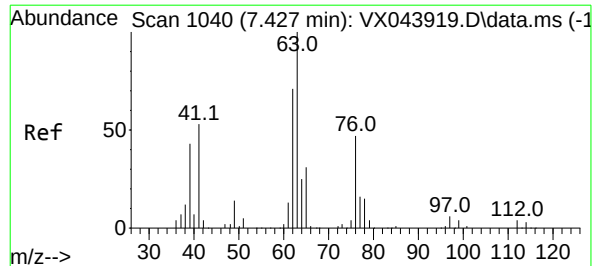
Tgt Ion:130 Resp: 169796

Ion Ratio Lower Upper

130 100

95 102.7 0.0 200.8





#45

1,2-Dichloropropane

Concen: 107.450 ug/l

RT: 7.428 min Scan# 10

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 63 Resp: 170741

Ion Ratio Lower Upper

63 100

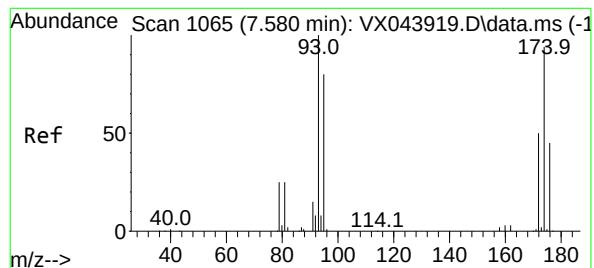
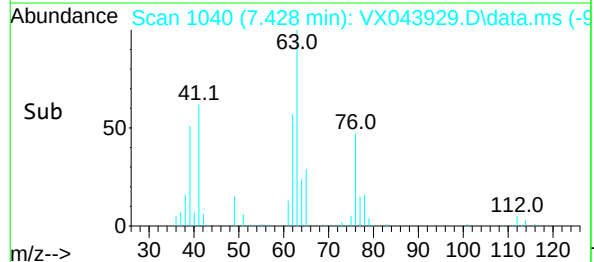
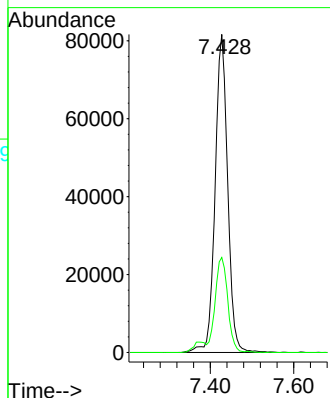
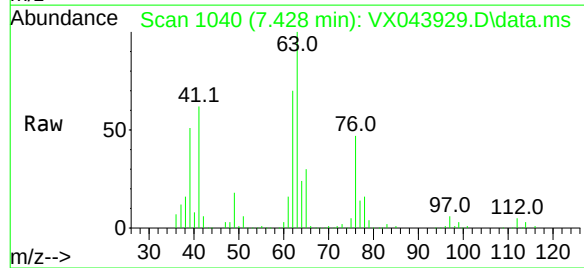
65 29.9 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 113.518 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

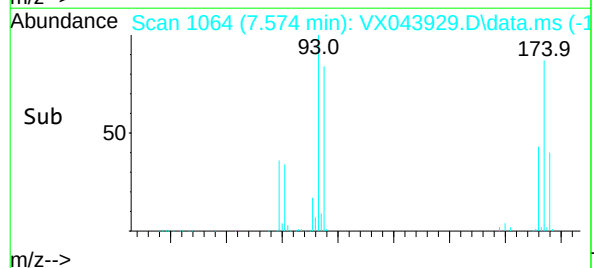
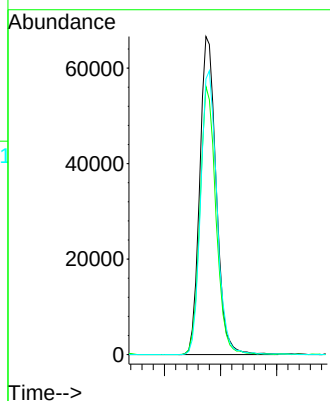
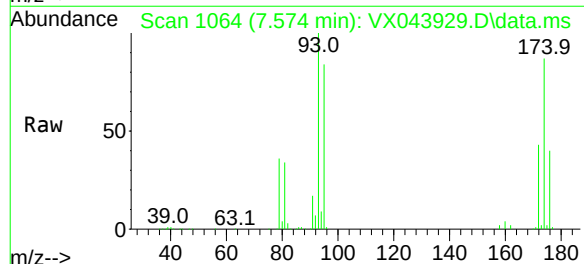
Tgt Ion: 93 Resp: 135928

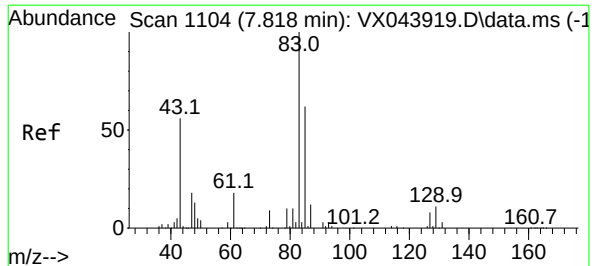
Ion Ratio Lower Upper

93 100

95 81.9 66.1 99.1

174 88.2 75.2 112.8





#47

Bromodichloromethane

Concen: 123.792 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 83 Resp: 260442

Ion Ratio Lower Upper

83 100

85 64.5 49.4 74.0

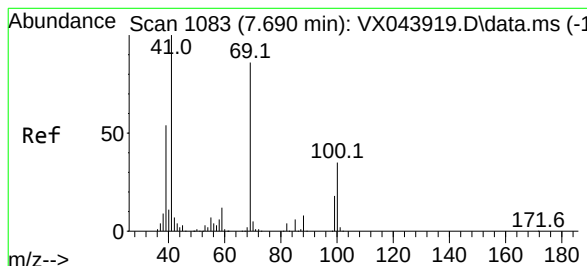
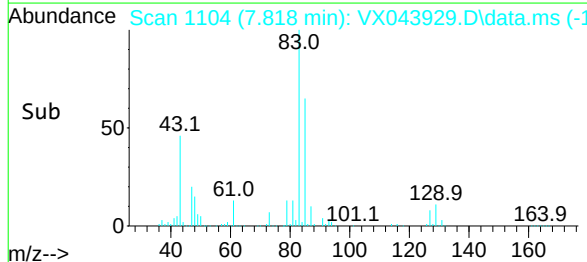
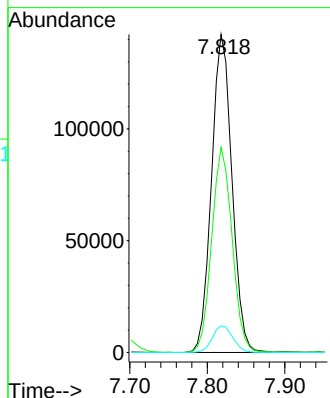
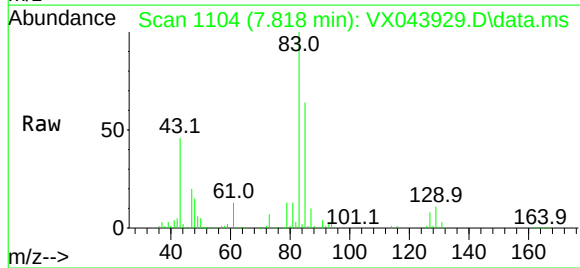
127 8.4 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 116.061 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

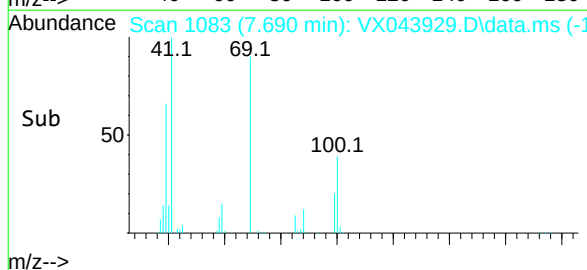
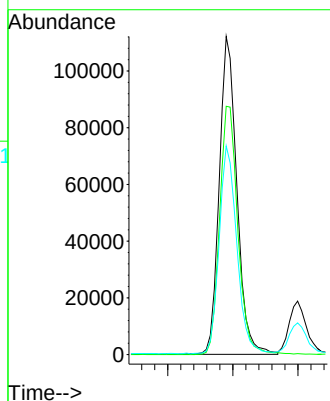
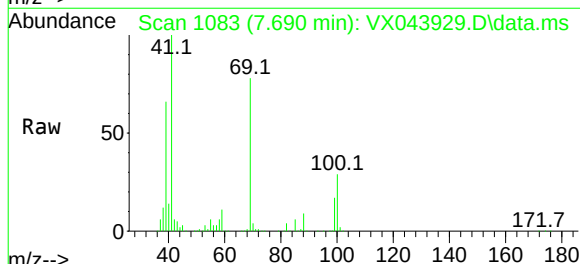
Tgt Ion: 41 Resp: 210614

Ion Ratio Lower Upper

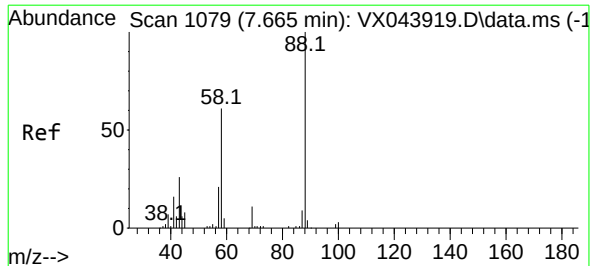
41 100

69 81.2 72.1 108.1

39 65.6 43.8 65.8







#49

1,4-Dioxane

Concen: 1625.913 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 88 Resp: 62845

Ion Ratio Lower Upper

88 100

43 38.8 17.4 26.0

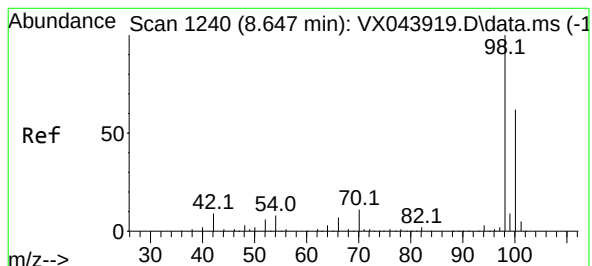
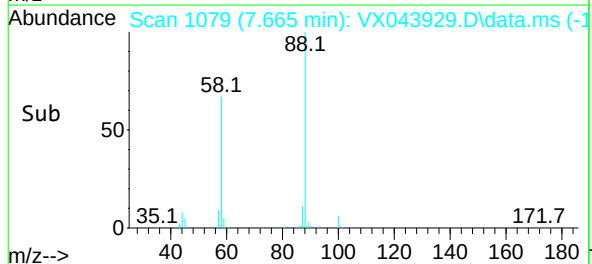
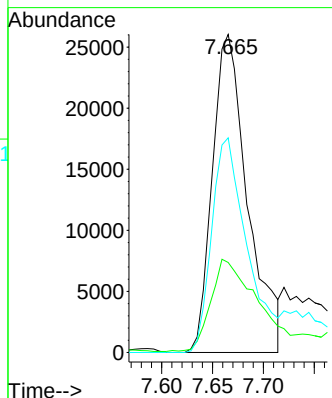
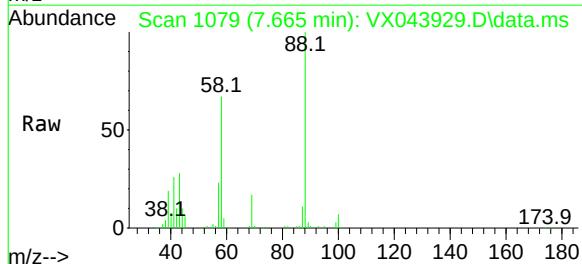
58 67.9 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 109.870 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX043929.D

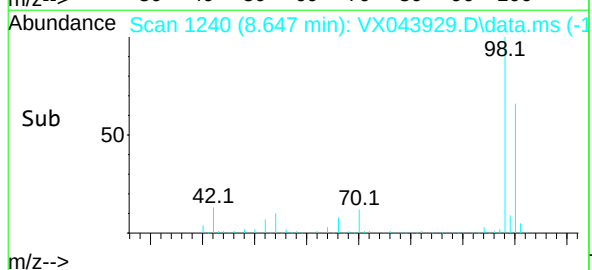
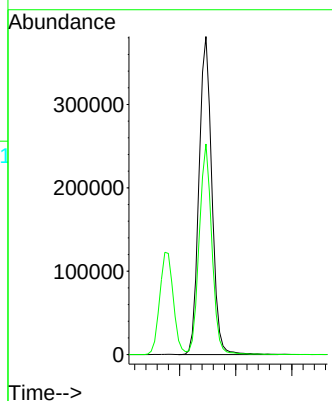
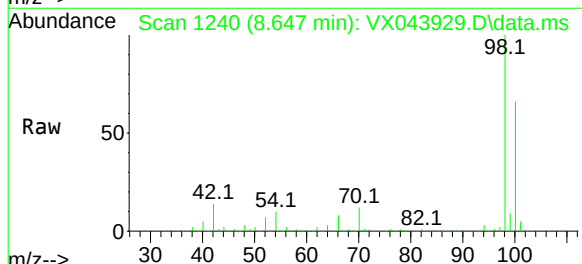
Acq: 21 Nov 2024 11:40

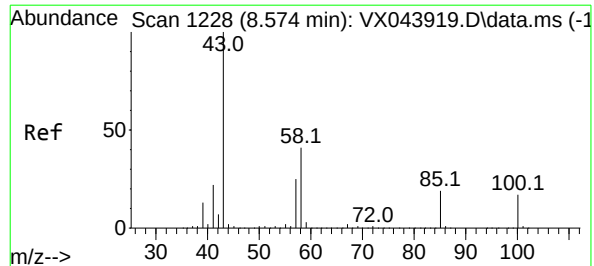
Tgt Ion: 98 Resp: 607337

Ion Ratio Lower Upper

98 100

100 65.0 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 582.189 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 1329064

Ion Ratio Lower Upper

43 100

58 37.7 32.4 48.6

Instrument :

MSVOA\_X

ClientSampleId :

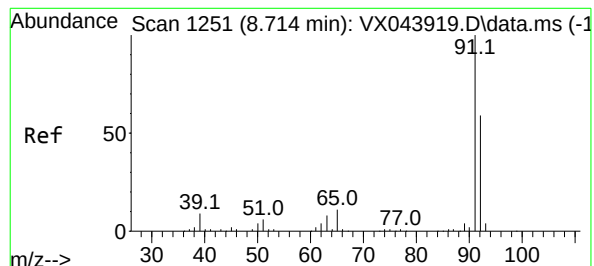
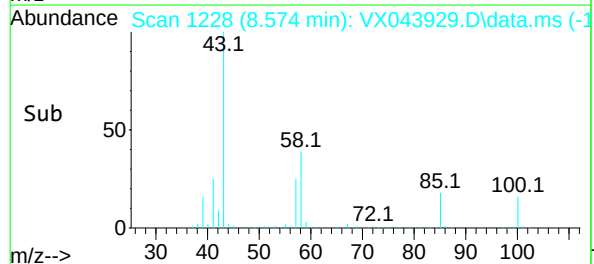
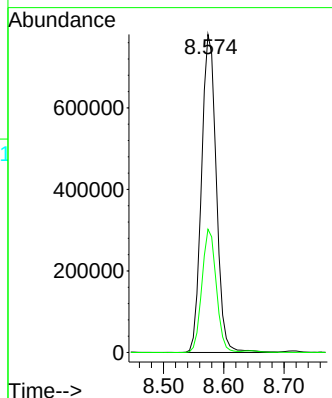
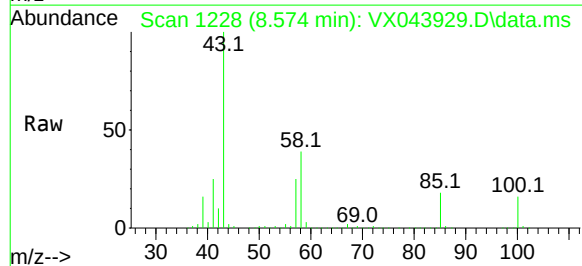
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 112.018 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043929.D

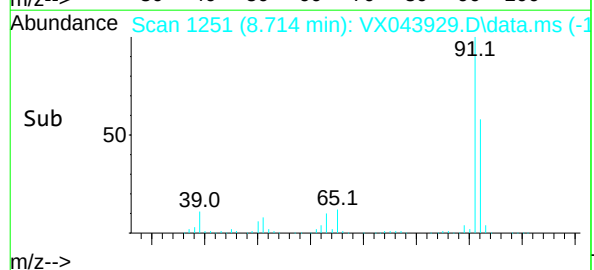
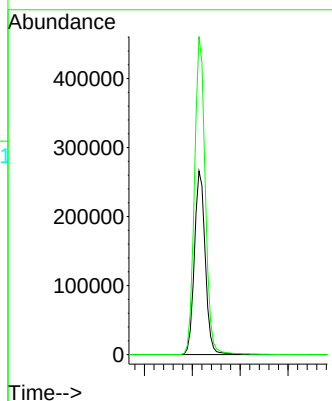
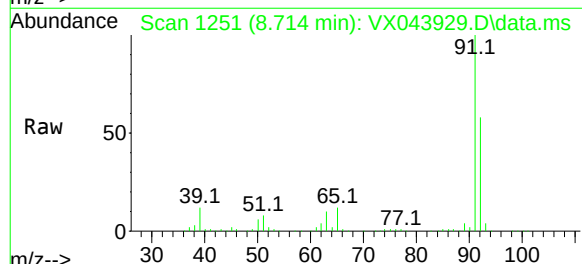
Acq: 21 Nov 2024 11:40

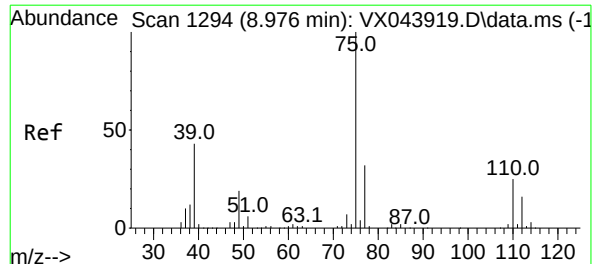
Tgt Ion: 92 Resp: 418999

Ion Ratio Lower Upper

92 100

91 172.3 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 126.680 ug/l

RT: 8.976 min Scan# 12

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 270418

Ion Ratio Lower Upper

75 100

77 32.0 25.9 38.9

Instrument :

MSVOA\_X

ClientSampleId :

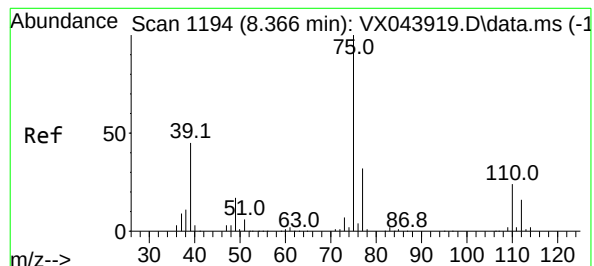
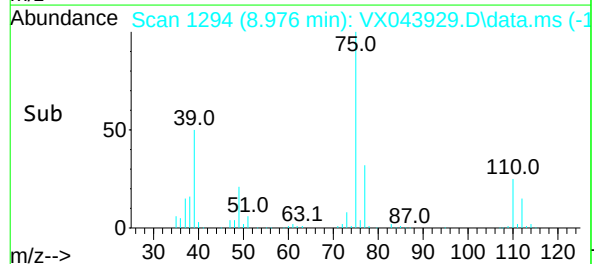
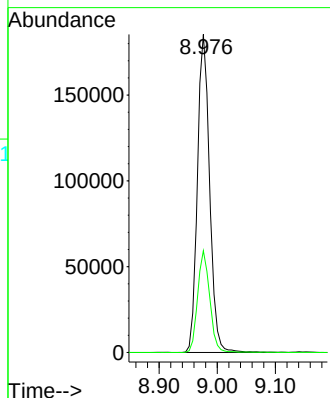
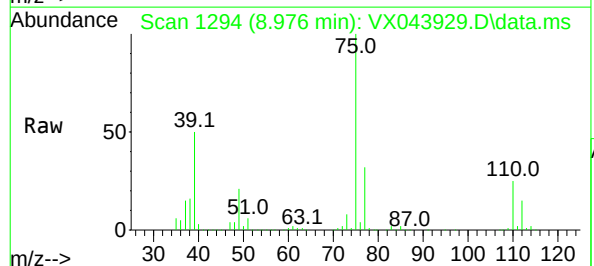
VSTDICC100

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 118.077 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

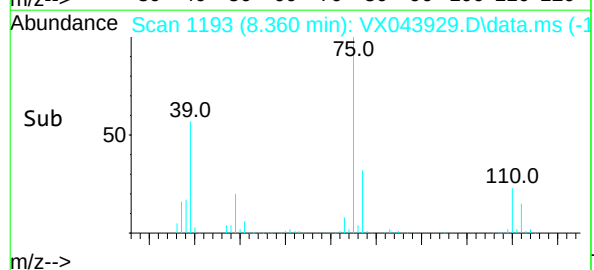
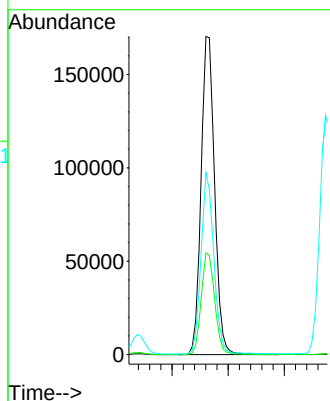
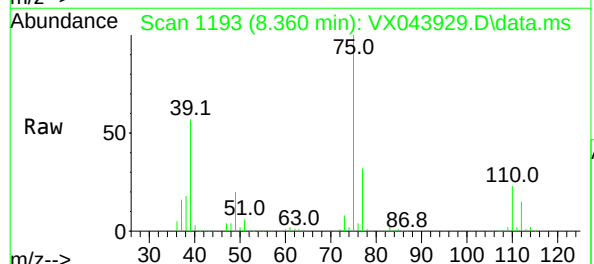
Tgt Ion: 75 Resp: 285627

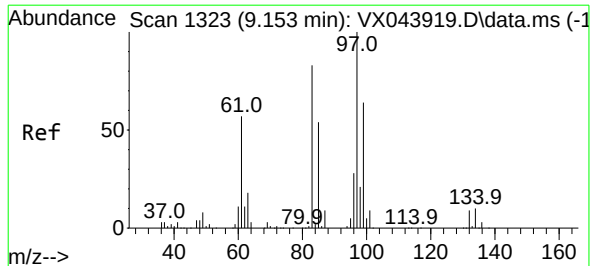
Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2

39 57.0 36.1 54.1#





#55

1,1,2-Trichloroethane

Concen: 114.675 ug/l

RT: 9.147 min Scan# 13

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion: 97 Resp: 167357

Ion Ratio Lower Upper

97 100

83 84.5 66.5 99.7

85 56.0 43.4 65.2

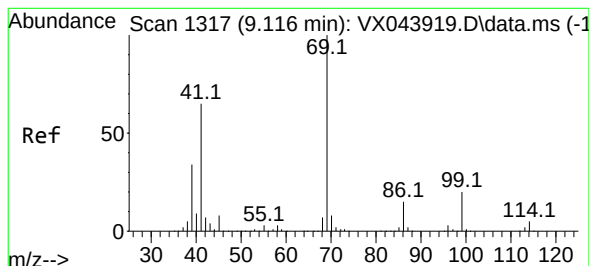
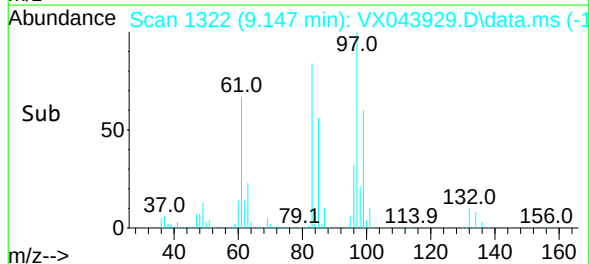
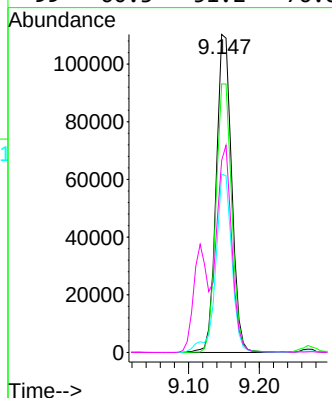
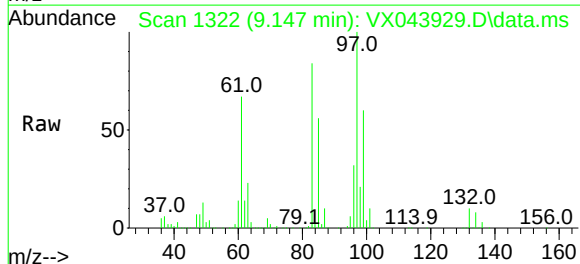
99 60.3 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 124.157 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

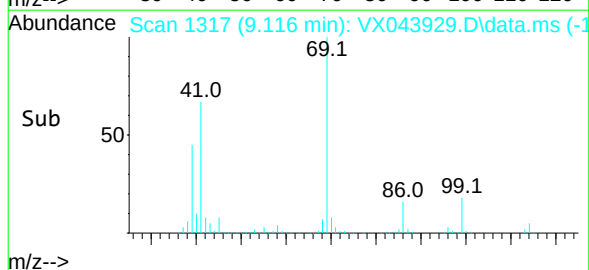
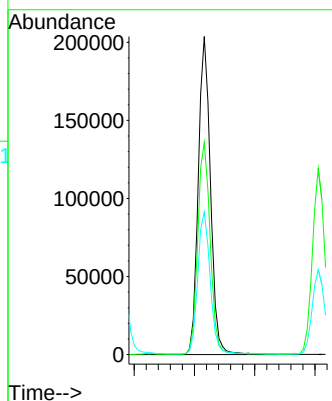
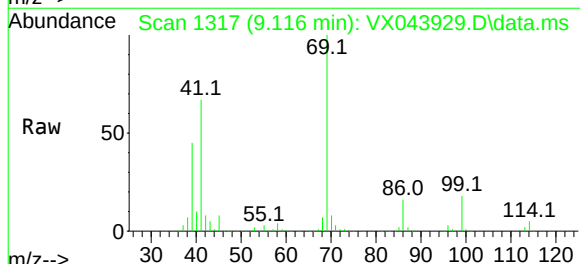
Tgt Ion: 69 Resp: 286893

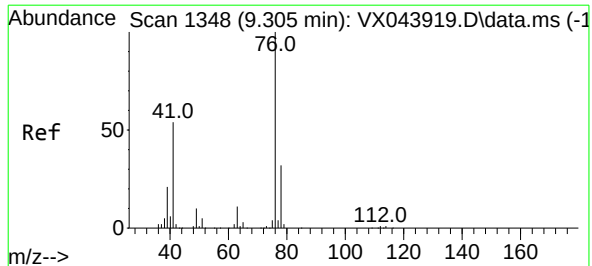
Ion Ratio Lower Upper

69 100

41 68.0 51.7 77.5

39 45.3 26.8 40.2#





#57

1,3-Dichloropropane

Concen: 116.773 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 76 Resp: 285511

Ion Ratio Lower Upper

76 100

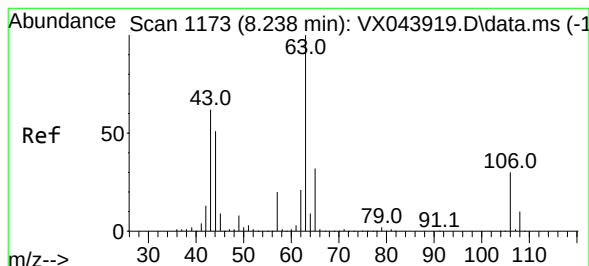
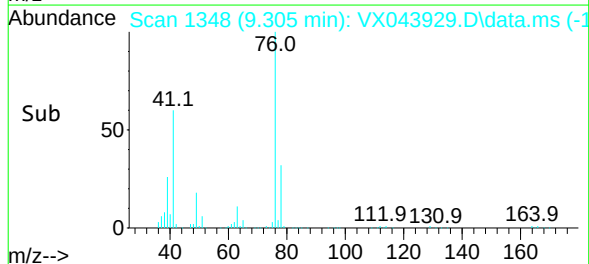
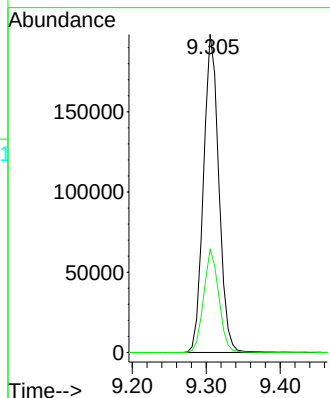
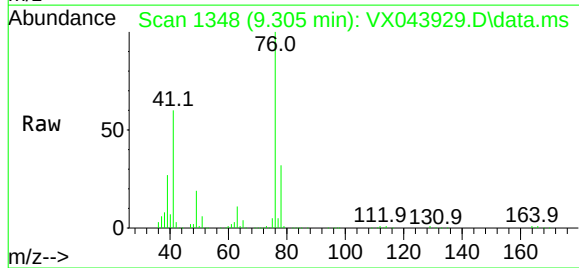
78 32.1 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 576.637 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX043929.D

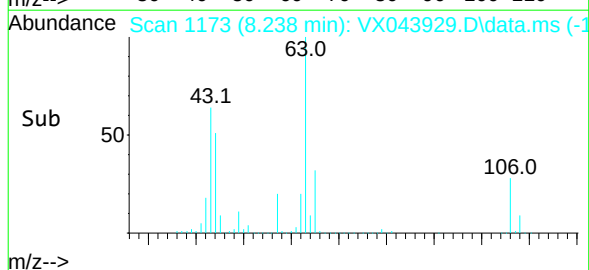
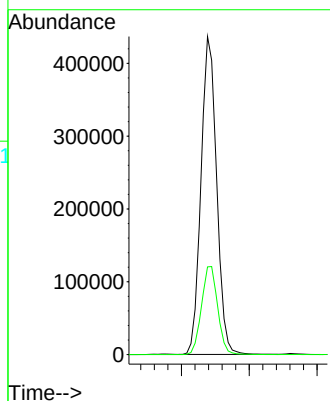
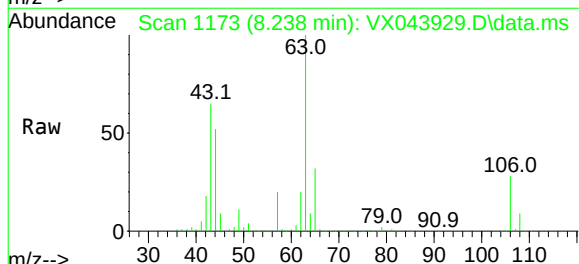
Acq: 21 Nov 2024 11:40

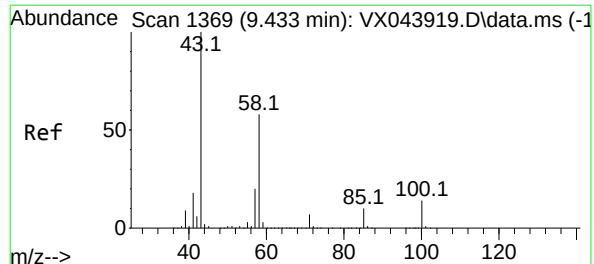
Tgt Ion: 63 Resp: 698756

Ion Ratio Lower Upper

63 100

106 28.6 23.8 35.6





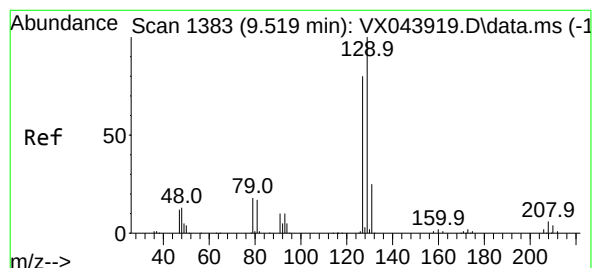
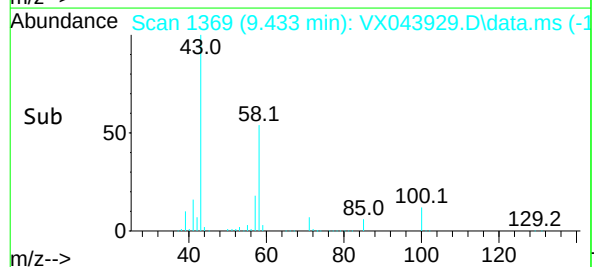
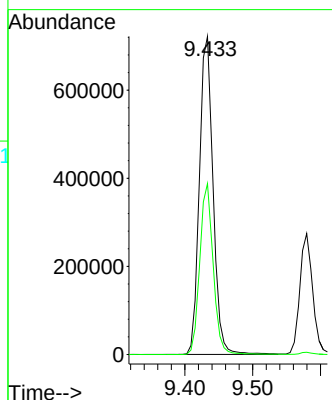
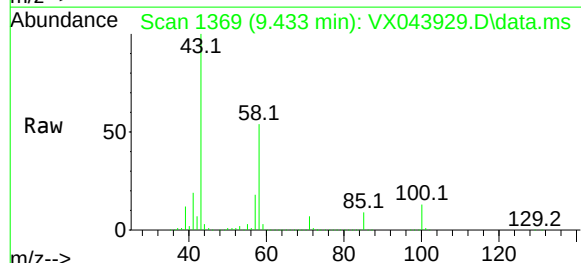
#59  
2-Hexanone  
Concen: 627.842 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 43 Resp: 1011261  
Ion Ratio Lower Upper  
43 100  
58 52.7 28.3 84.9

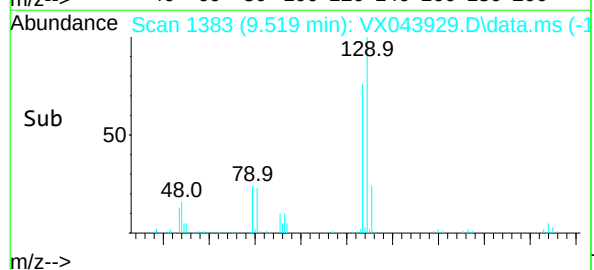
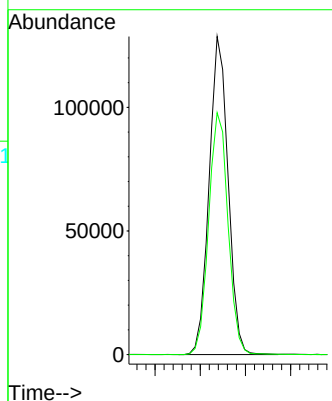
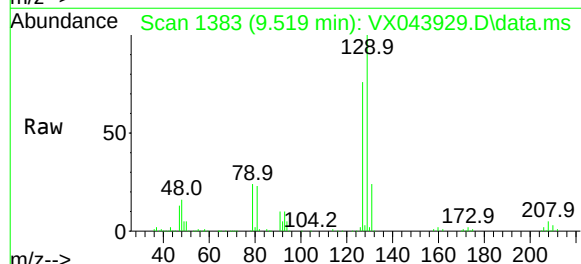
Manual Integrations  
APPROVED

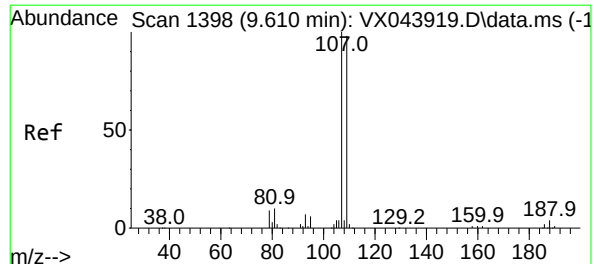
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#60  
Dibromochloromethane  
Concen: 131.832 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. 0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion:129 Resp: 187476  
Ion Ratio Lower Upper  
129 100  
127 77.8 38.6 115.8





#61

1,2-Dibromoethane

Concen: 115.841 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion:107 Resp: 176345

Ion Ratio Lower Upper

107 100

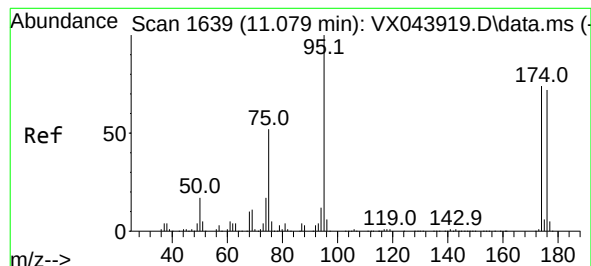
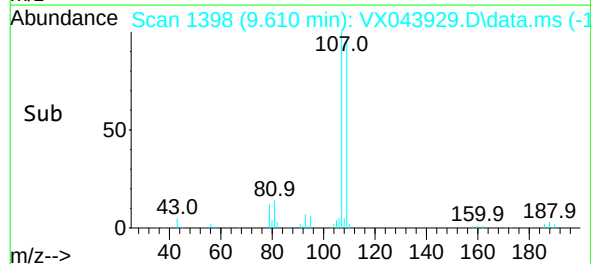
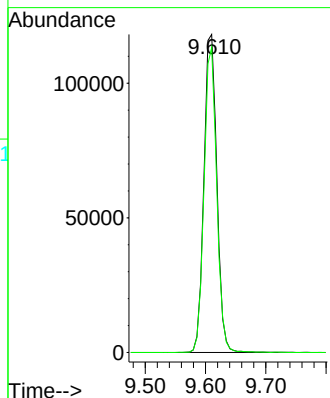
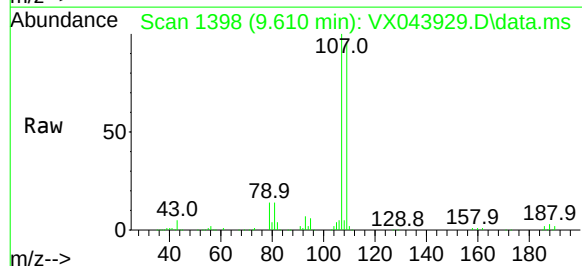
109 93.9 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 118.228 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

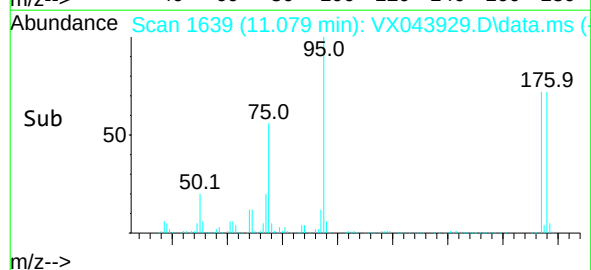
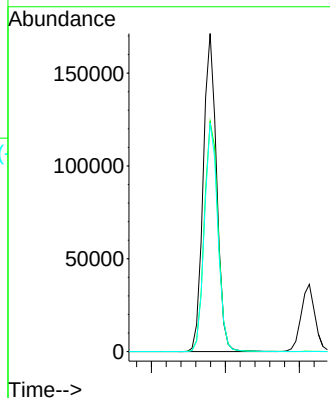
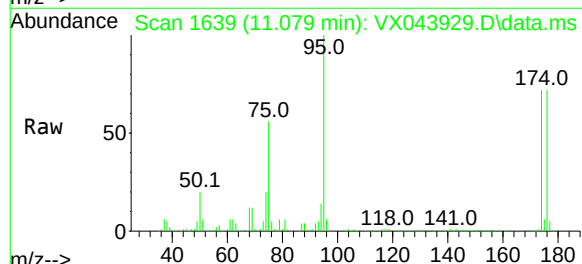
Tgt Ion: 95 Resp: 215953

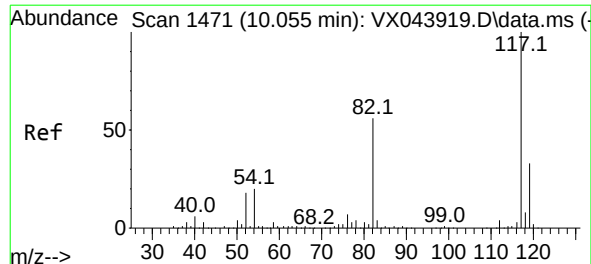
Ion Ratio Lower Upper

95 100

174 74.1 0.0 152.2

176 71.8 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

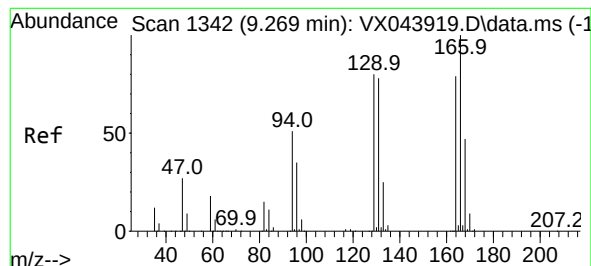
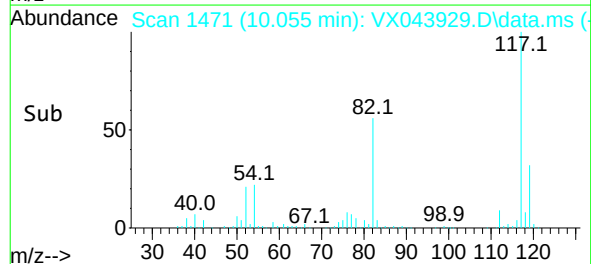
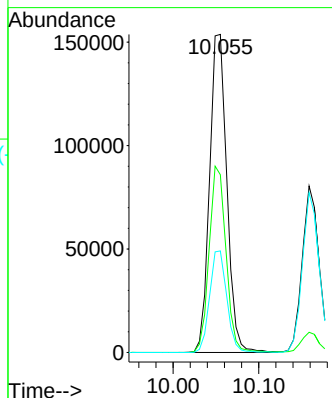
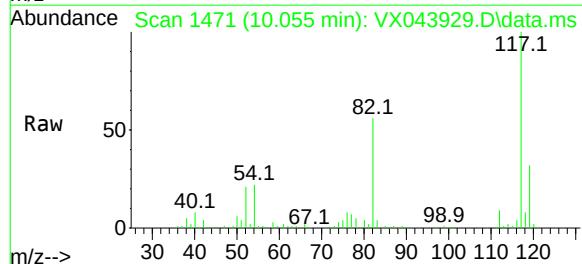
ClientSampleId :

VSTDIC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 215595 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 55.9  | 44.6  | 67.0   |
| 119      | 31.9  | 26.5  | 39.7   |

Manual Integrations  
APPROVED

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



#64

Tetrachloroethene

Concen: 98.157 ug/l

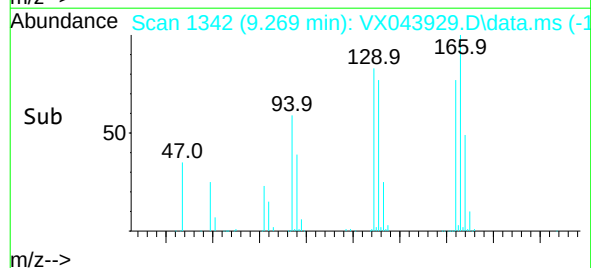
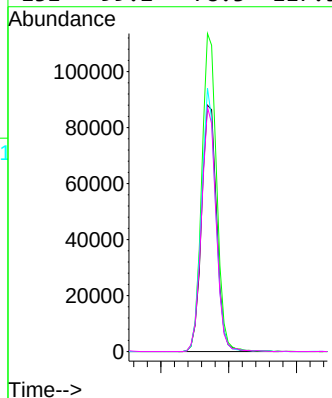
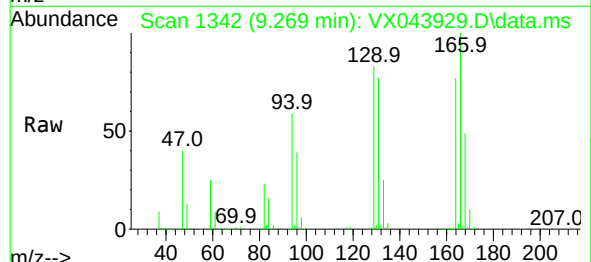
RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

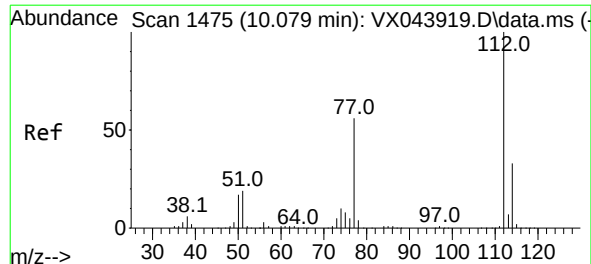
Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 135740 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 166      | 129.1 | 100.9 | 151.3  |
| 129      | 107.0 | 80.3  | 120.5  |
| 131      | 99.2  | 78.3  | 117.5  |







#65

Chlorobenzene

Concen: 102.382 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion:112 Resp: 461076

Ion Ratio Lower Upper

112 100

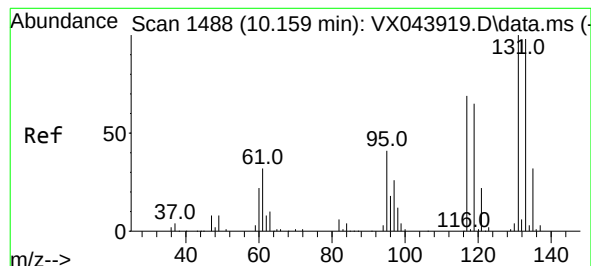
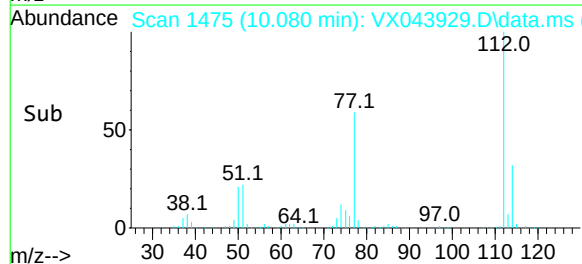
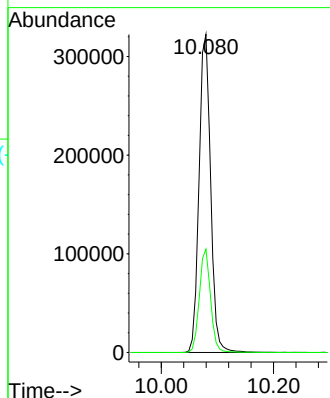
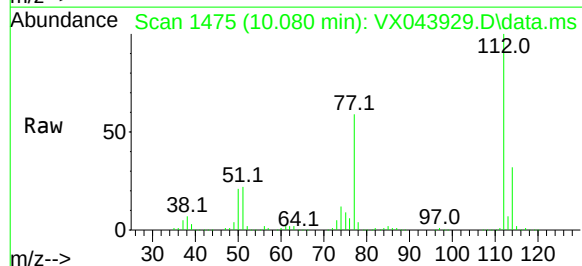
114 32.5 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 109.812 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

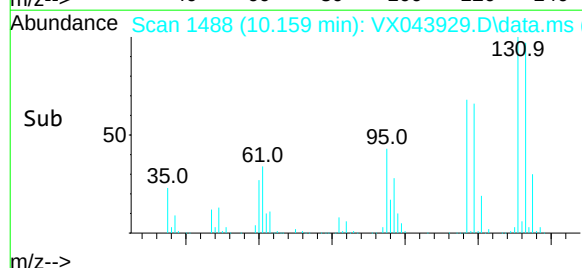
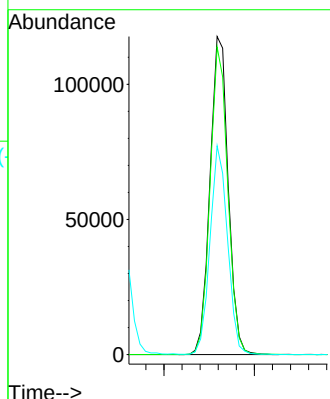
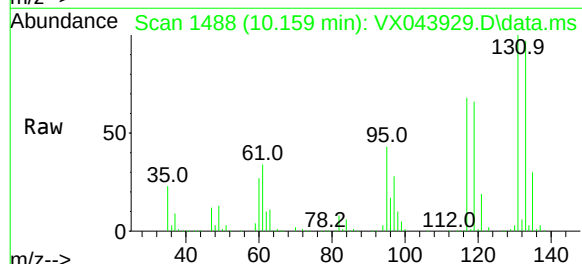
Tgt Ion:131 Resp: 164586

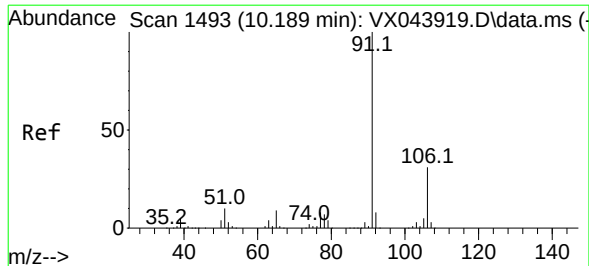
Ion Ratio Lower Upper

131 100

133 94.2 48.8 146.3

119 63.2 32.9 98.7





#67

Ethyl Benzene

Concen: 107.178 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 812289

Ion Ratio Lower Upper

91 100

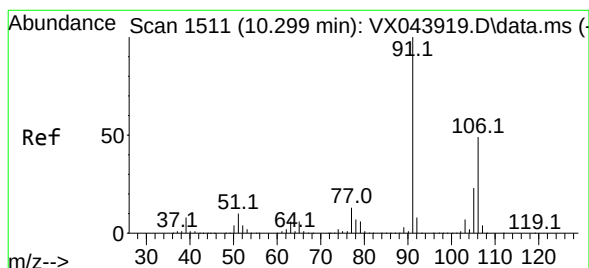
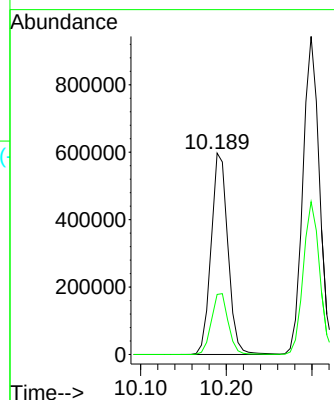
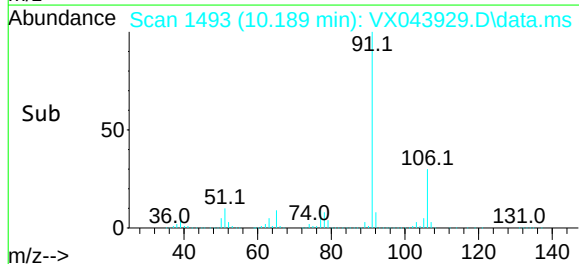
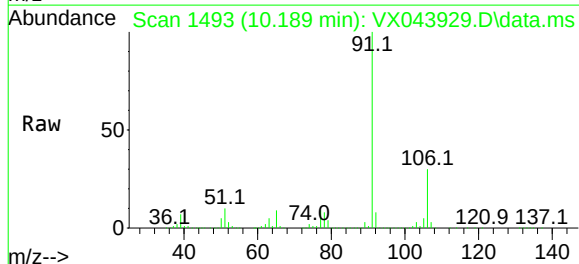
106 29.8 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 213.769 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043929.D

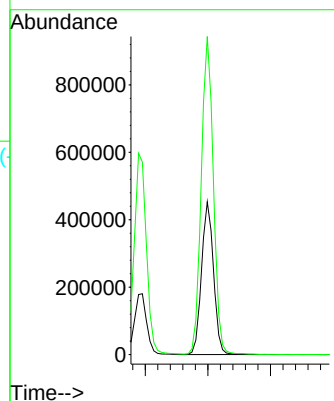
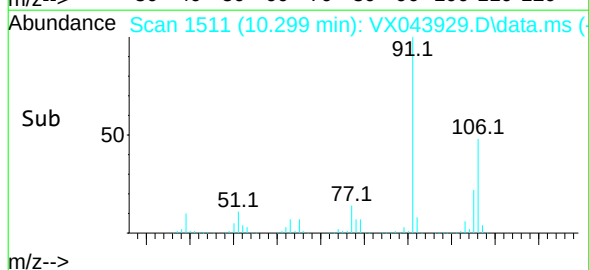
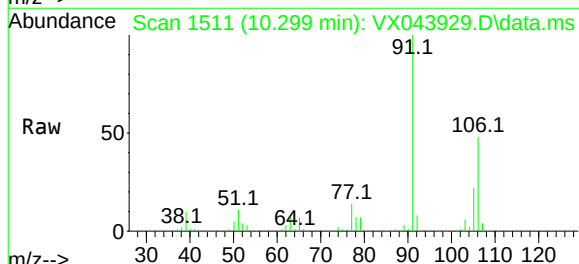
Acq: 21 Nov 2024 11:40

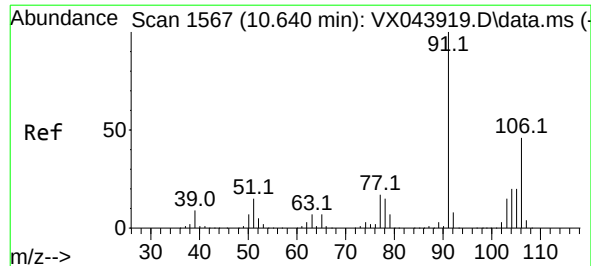
Tgt Ion:106 Resp: 603451

Ion Ratio Lower Upper

106 100

91 210.3 163.3 244.9





#69

o-Xylene

Concen: 108.462 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:106 Resp: 298739

Ion Ratio Lower Upper

106 100

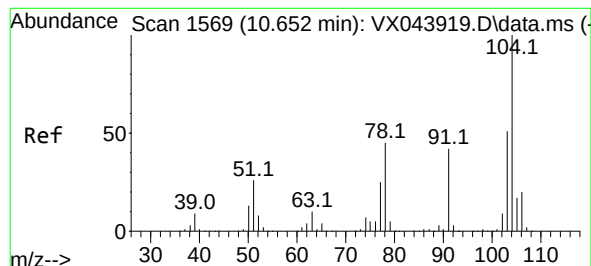
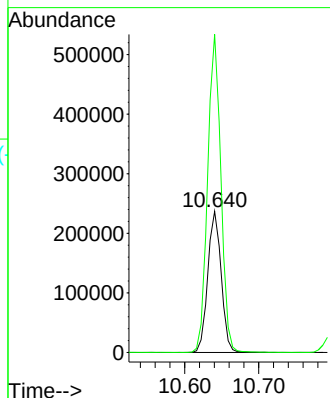
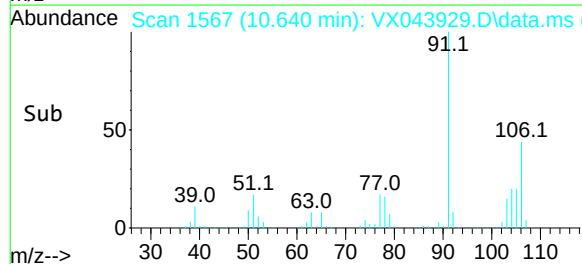
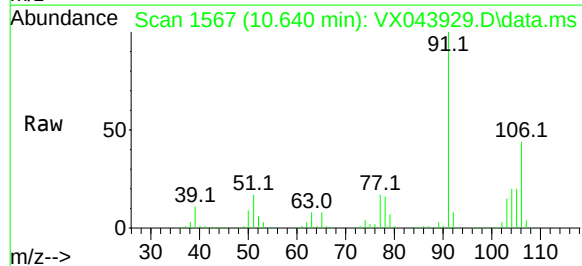
91 222.3 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 112.628 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

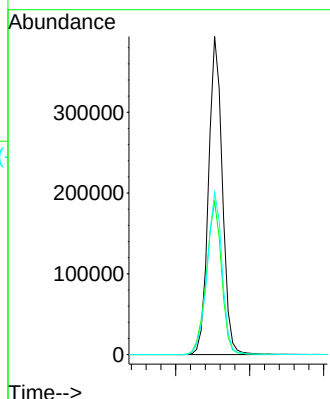
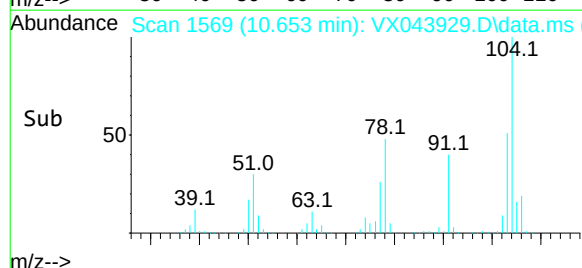
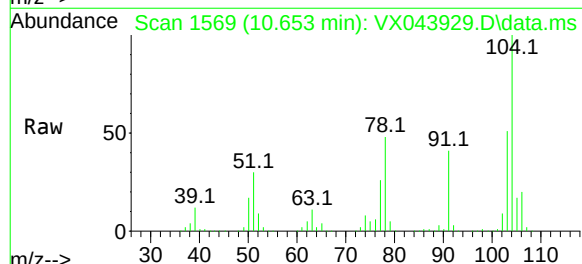
Tgt Ion:104 Resp: 511251

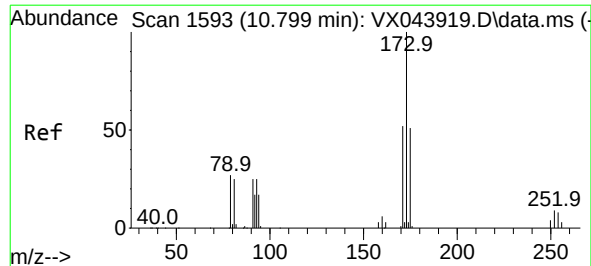
Ion Ratio Lower Upper

104 100

78 53.1 40.3 60.5

103 55.4 43.9 65.9





#71

Bromoform

Concen: 125.866 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

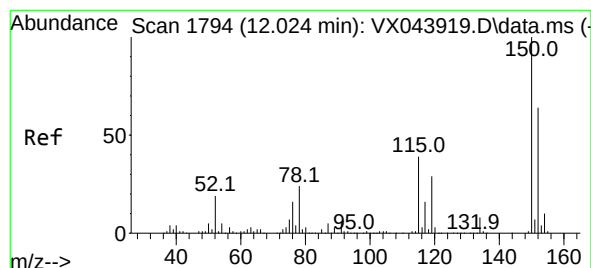
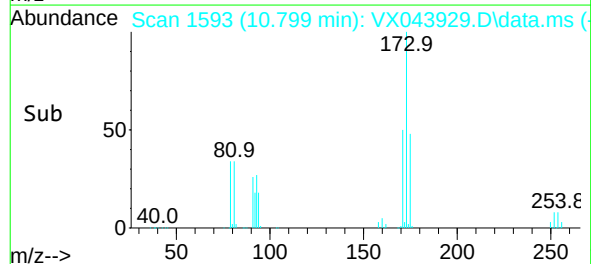
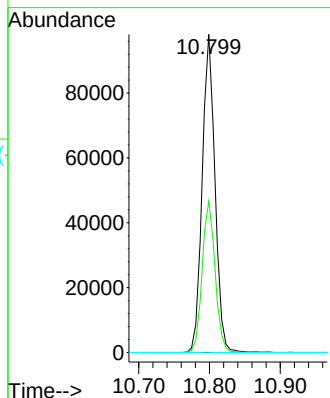
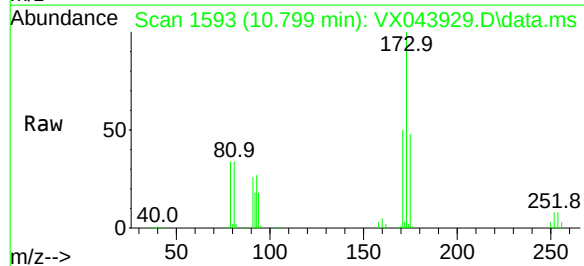
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 173   | Resp: | 123114 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.1  | 24.6  | 73.8   |
| 254       | 0.0   | 0.1   | 0.1#   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

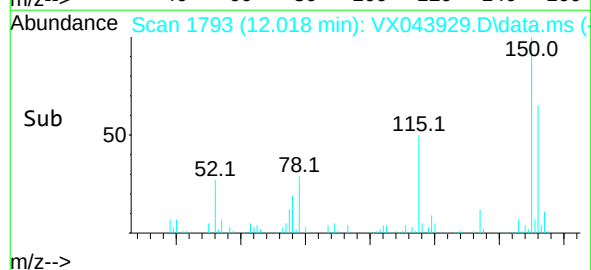
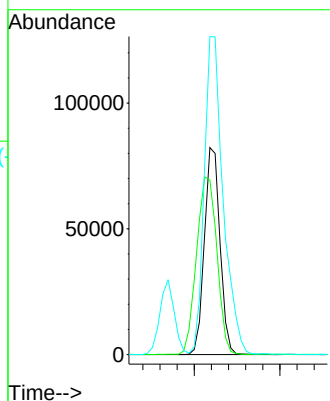
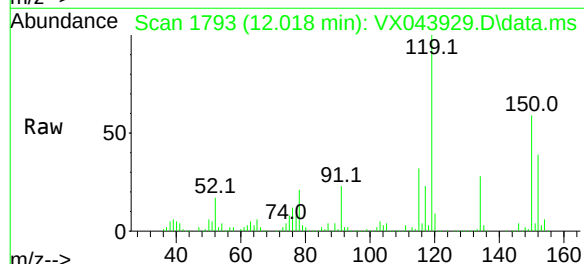
RT: 12.018 min Scan# 1793

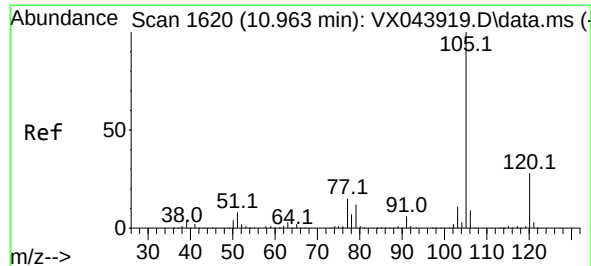
Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 104048 |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 112.2 | 42.1  | 126.3  |
| 150       | 186.1 | 0.0   | 348.2  |





#73

Isopropylbenzene

Concen: 103.086 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 765623

Ion Ratio Lower Upper

105 100

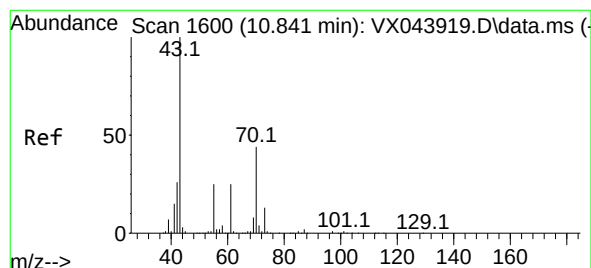
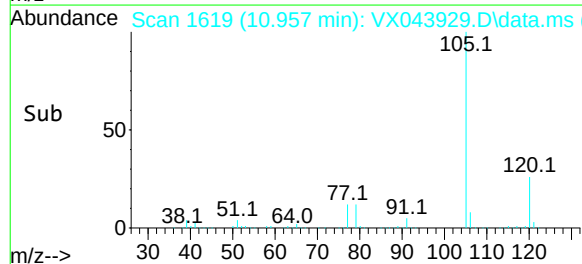
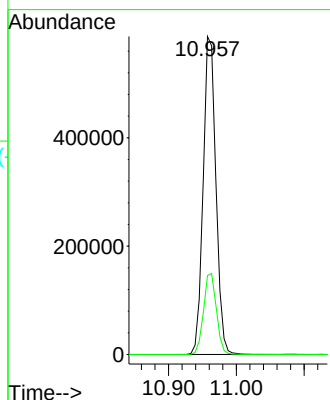
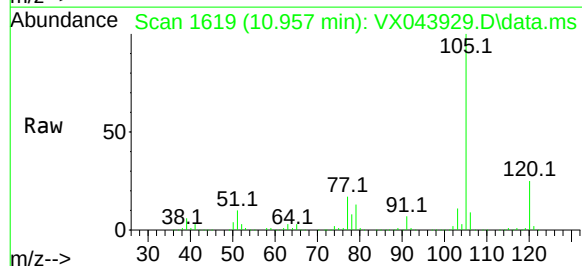
120 25.8 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 119.112 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

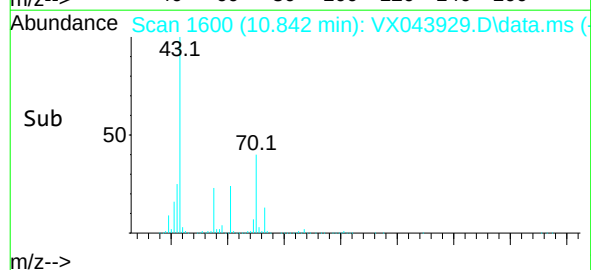
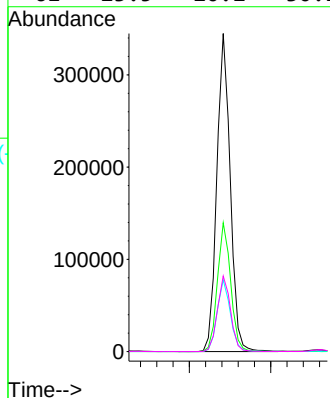
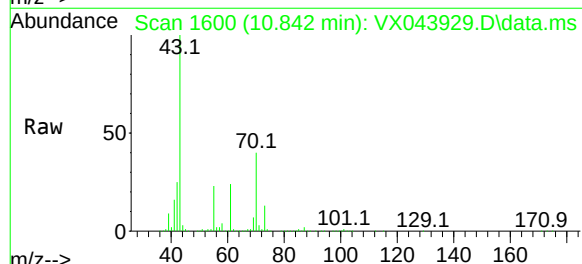
Ion Ratio Lower Upper

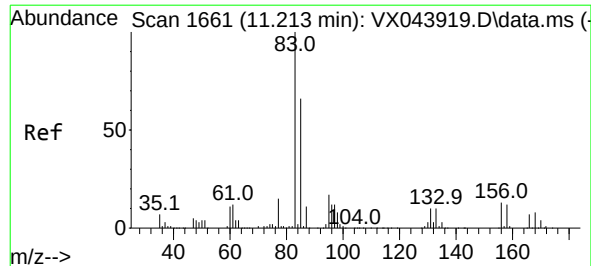
43 100

70 40.2 36.5 54.7

55 22.3 19.6 29.4

61 23.5 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 104.456 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

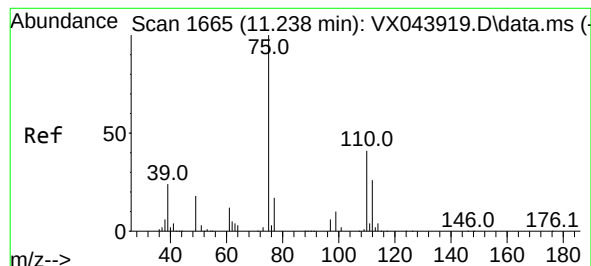
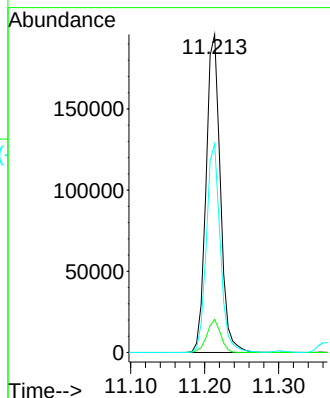
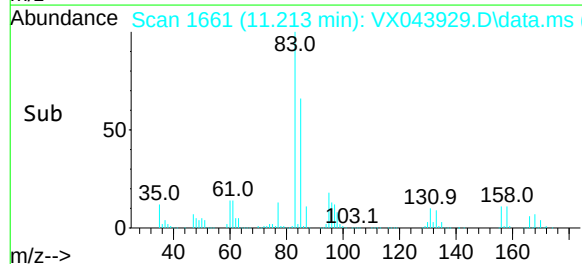
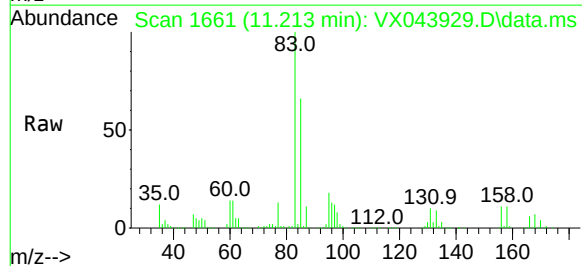
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 262302 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 10.0  | 5.1   | 15.3   |
| 85       | 64.1  | 32.3  | 96.9   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 103.148 ug/l m

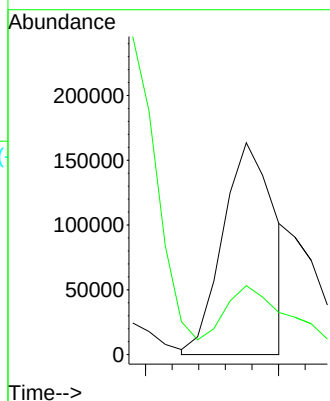
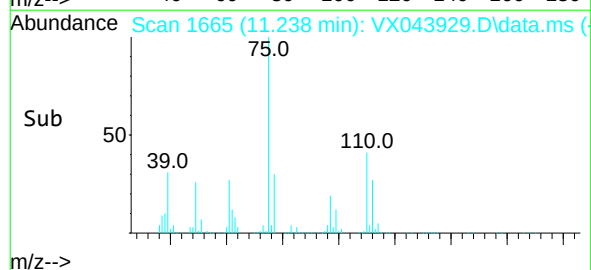
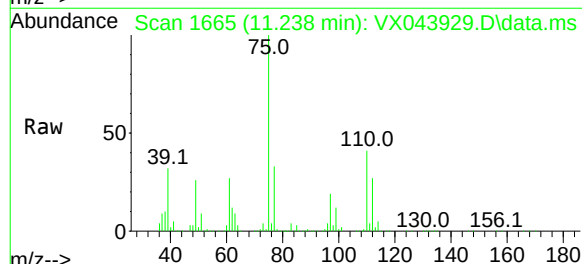
RT: 11.238 min Scan# 1665

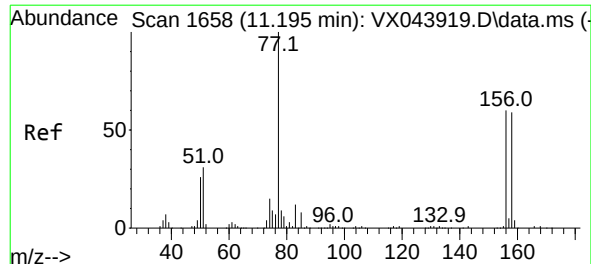
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 219028 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 43.5  | 22.4  | 67.0   |





#77

Bromobenzene

Concen: 100.944 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

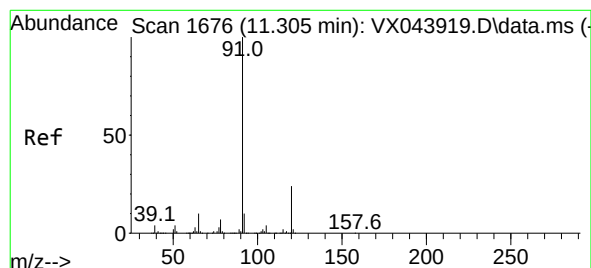
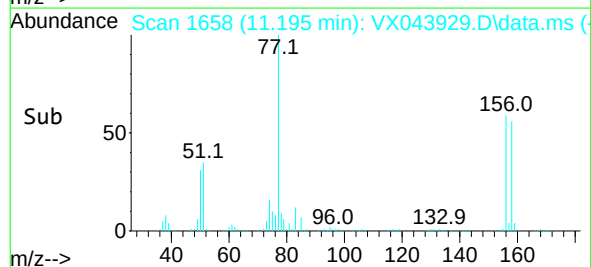
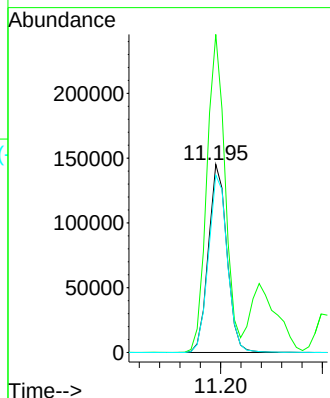
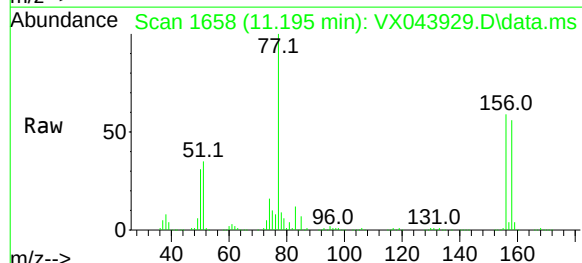
ClientSampleId :

VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 156   | Resp: | 183742 |
| Ion      | Ratio | Lower | Upper  |
| 156      | 100   |       |        |
| 77       | 166.9 | 81.2  | 243.6  |
| 158      | 96.3  | 48.6  | 145.8  |

Manual Integrations  
APPROVED

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



#78

n-propylbenzene

Concen: 108.835 ug/l

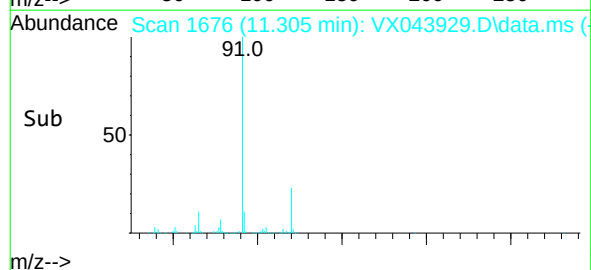
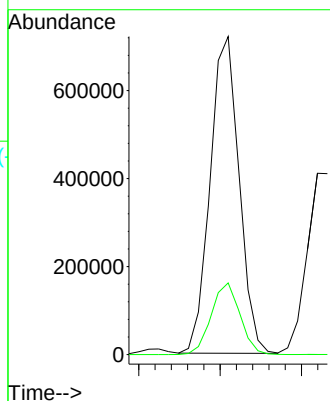
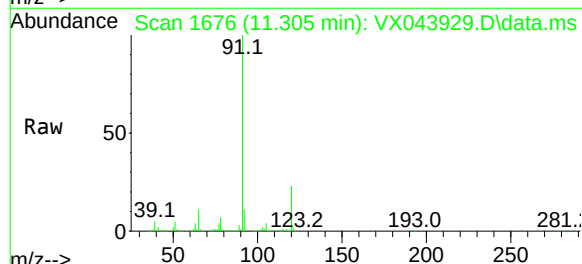
RT: 11.305 min Scan# 1676

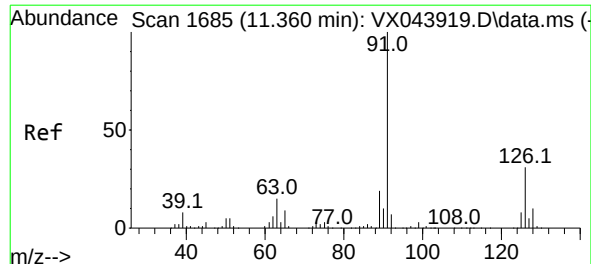
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 891893 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.4  | 11.5  | 34.5   |





#79

2-Chlorotoluene

Concen: 103.022 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 537196

Ion Ratio Lower Upper

91 100

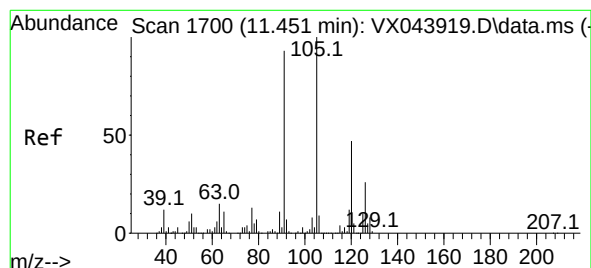
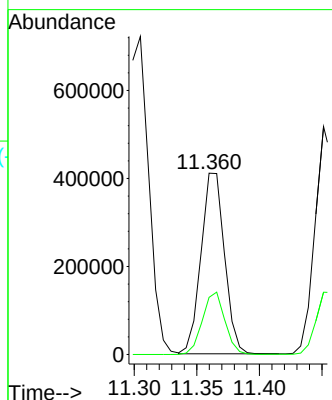
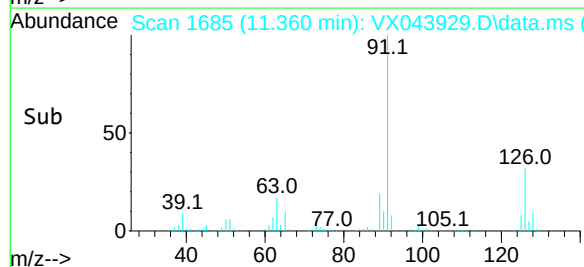
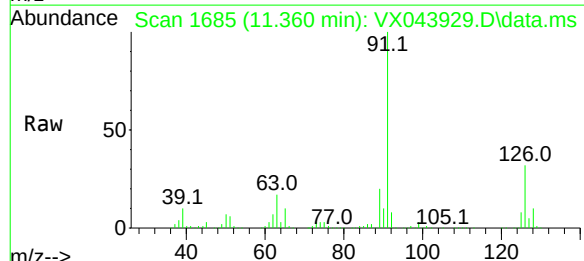
126 33.0 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 105.408 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX043929.D

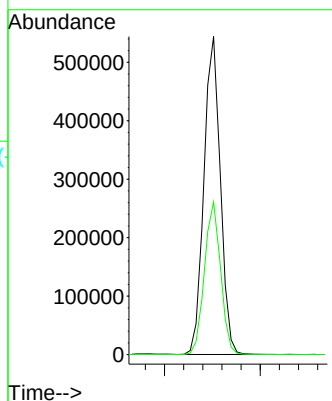
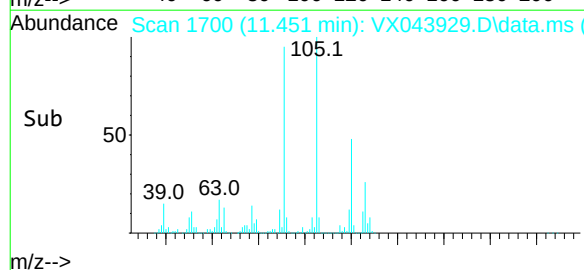
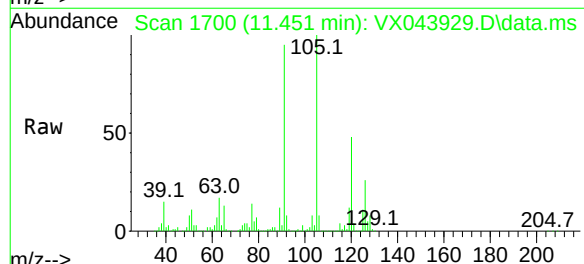
Acq: 21 Nov 2024 11:40

Tgt Ion:105 Resp: 648916

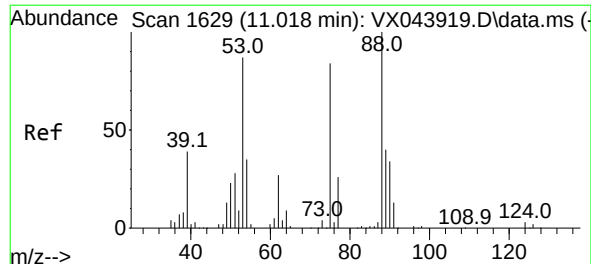
Ion Ratio Lower Upper

105 100

120 47.2 23.8 71.5







#81

trans-1,4-Dichloro-2-butene

Concen: 116.733 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

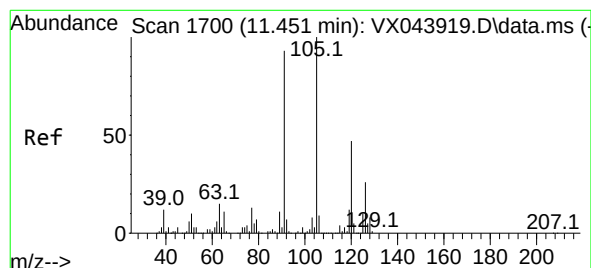
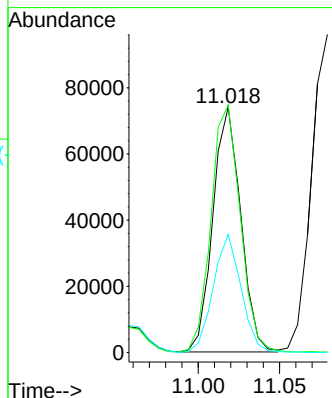
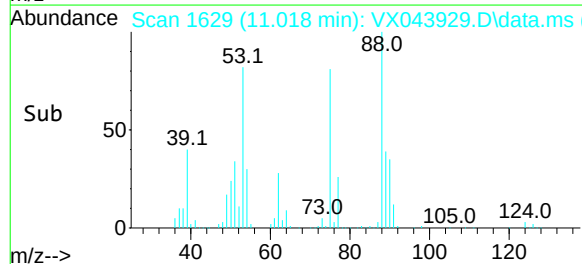
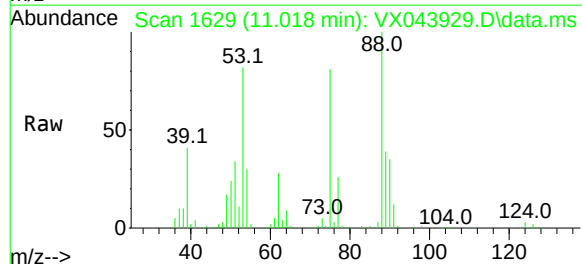
ClientSampleId :

VSTDIC100

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 88041 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 106.0 | 81.7  | 122.5 |
| 89       | 48.3  | 38.6  | 57.8  |

Manual Integrations  
APPROVED

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



#82

4-Chlorotoluene

Concen: 104.841 ug/l

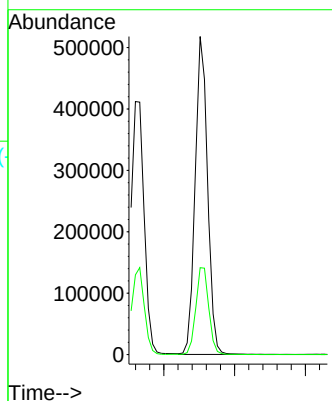
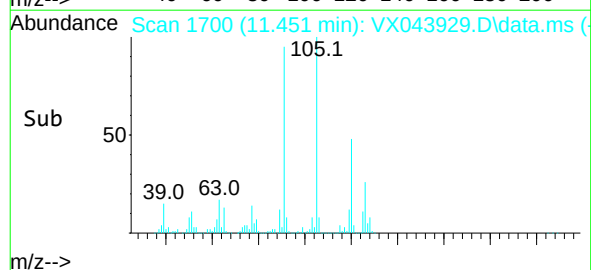
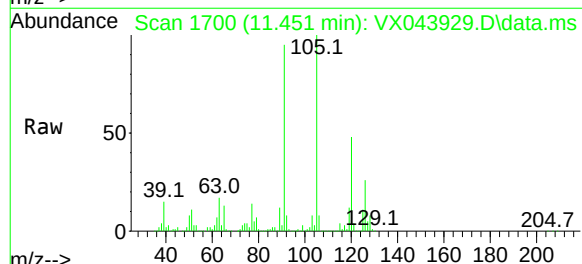
RT: 11.451 min Scan# 1700

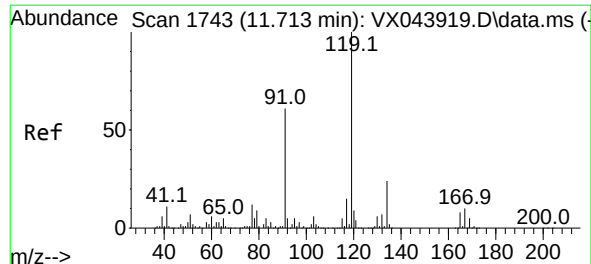
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 629590 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.7  | 14.4  | 43.2   |





#83

tert-Butylbenzene

Concen: 104.157 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion:119 Resp: 655918

Ion Ratio Lower Upper

119 100

91 60.2 29.5 88.6

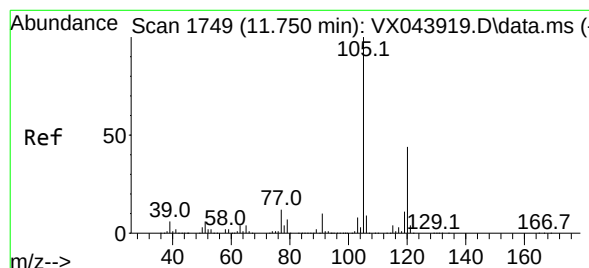
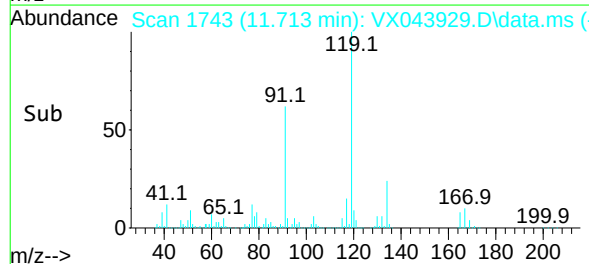
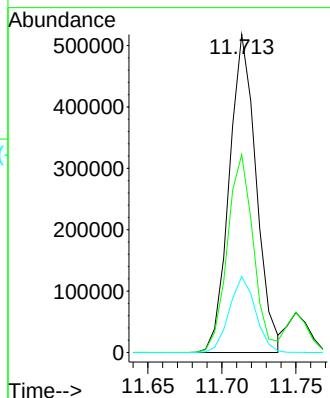
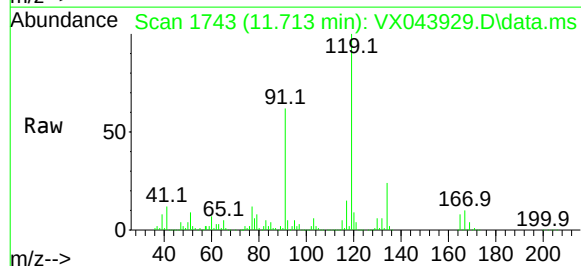
134 23.1 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 103.992 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043929.D

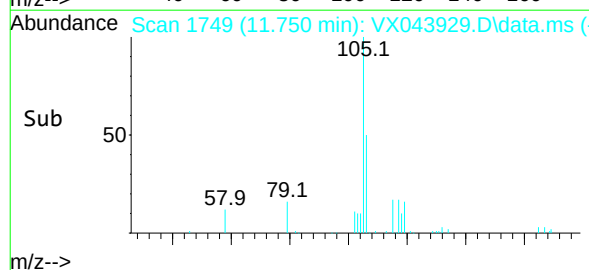
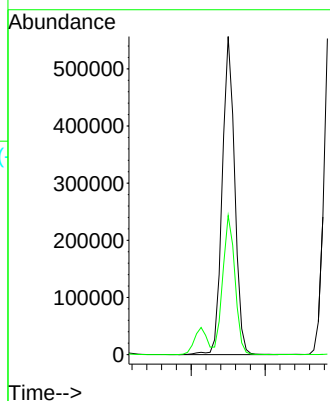
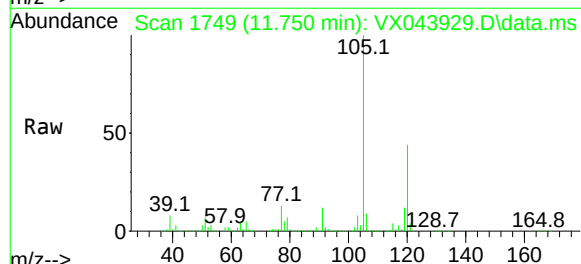
Acq: 21 Nov 2024 11:40

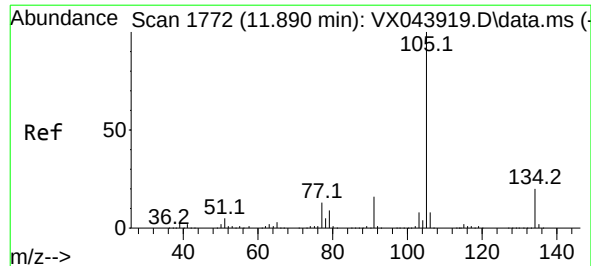
Tgt Ion:105 Resp: 650156

Ion Ratio Lower Upper

105 100

120 43.5 21.7 65.1





#85

sec-Butylbenzene

Concen: 105.481 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:105 Resp: 793233

Ion Ratio Lower Upper

105 100

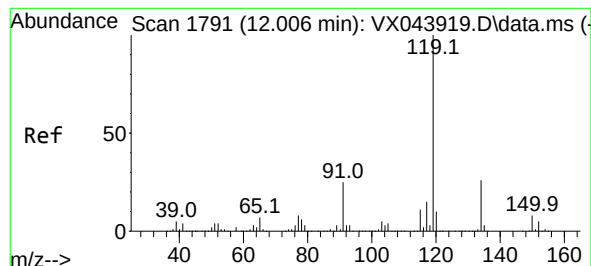
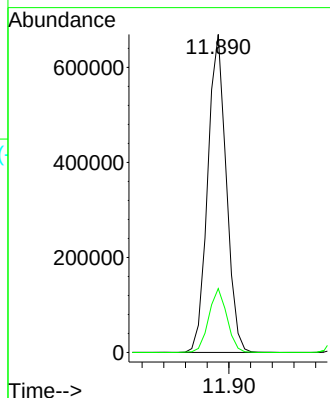
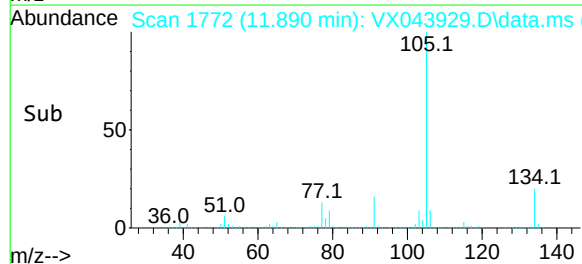
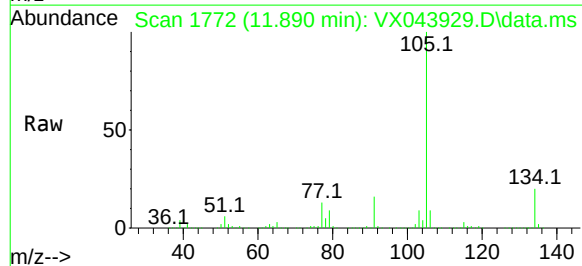
134 19.7 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 106.078 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

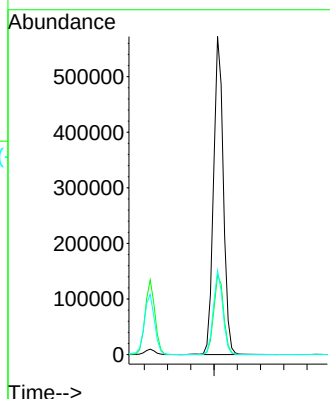
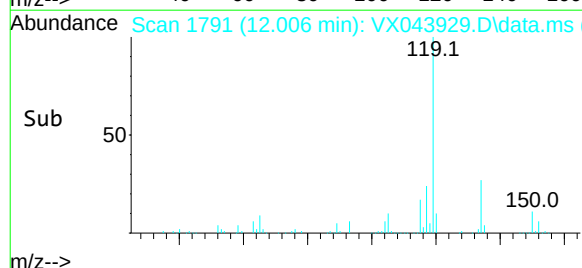
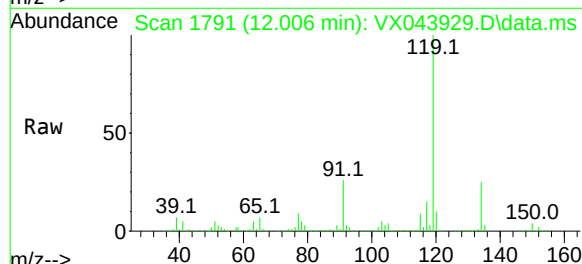
Tgt Ion:119 Resp: 669819

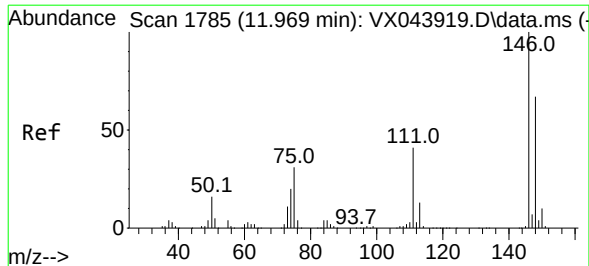
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 25.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 100.095 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043929.D

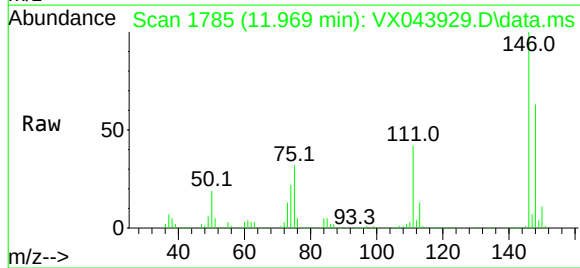
Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100



Tgt Ion:146 Resp: 337665

Ion Ratio Lower Upper

146 100

111 42.3 20.8 62.2

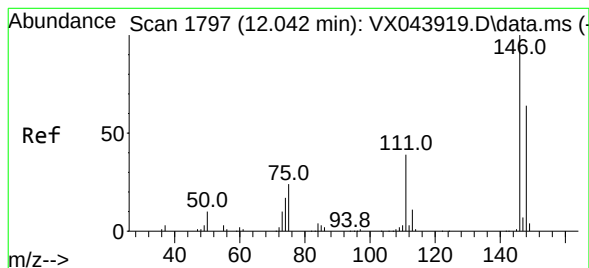
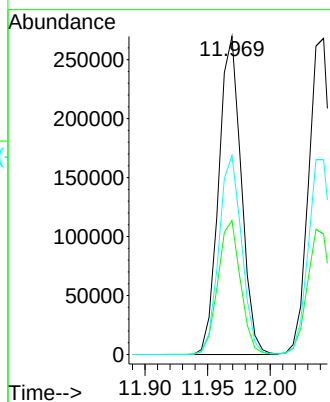
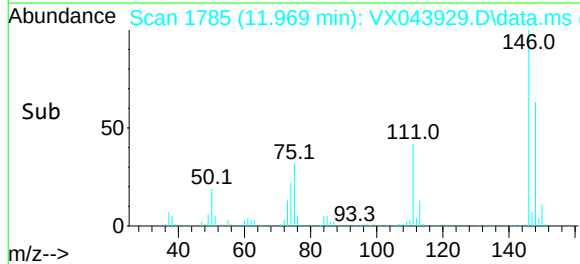
148 63.1 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

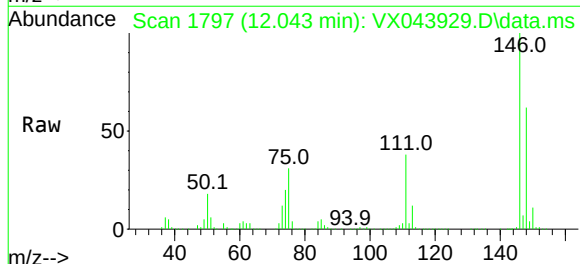
Concen: 99.262 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40



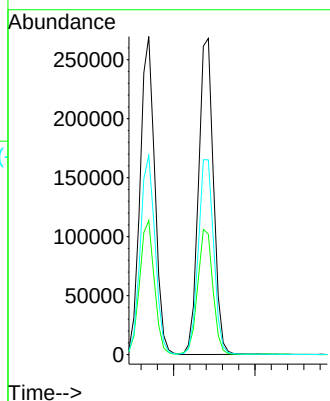
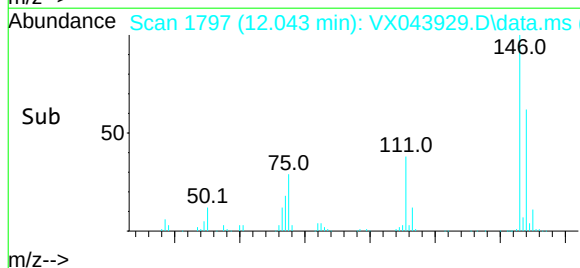
Tgt Ion:146 Resp: 343312

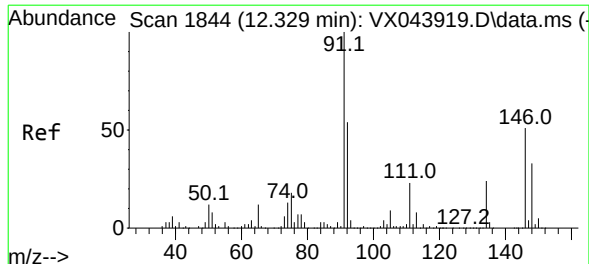
Ion Ratio Lower Upper

146 100

111 40.0 20.1 60.2

148 63.7 32.2 96.6





#89

n-Butylbenzene

Concen: 112.498 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 91 Resp: 605284

Ion Ratio Lower Upper

91 100

92 53.4 26.9 80.6

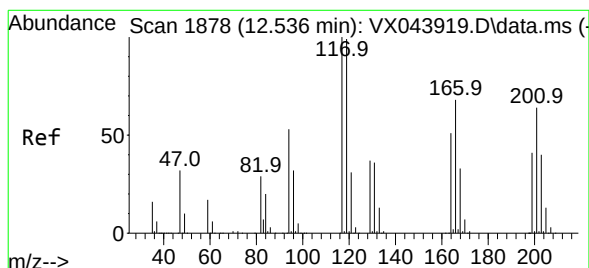
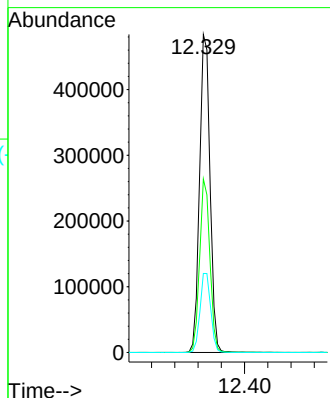
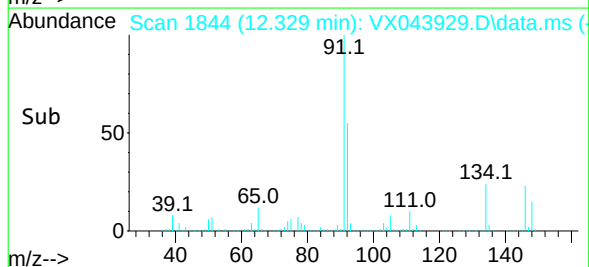
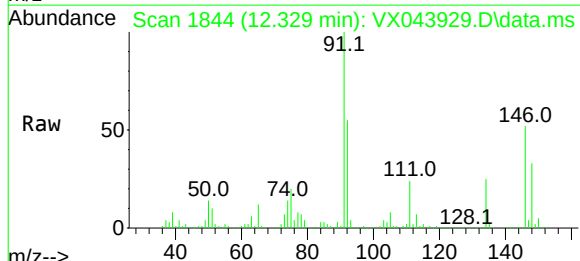
134 25.4 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 113.763 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043929.D

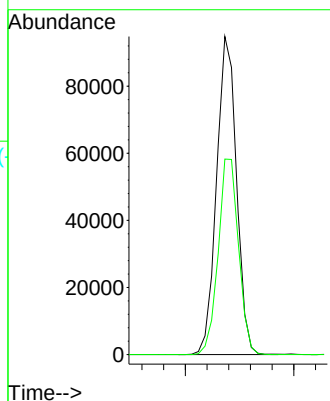
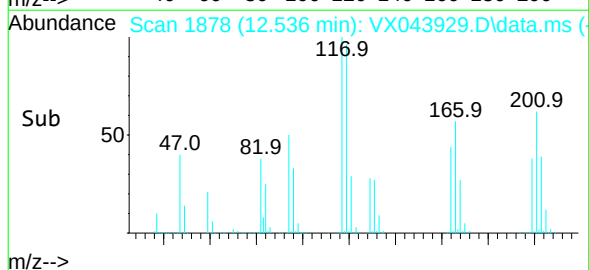
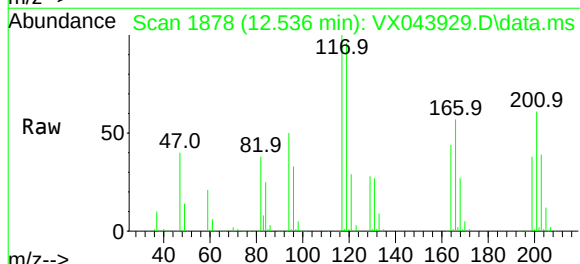
Acq: 21 Nov 2024 11:40

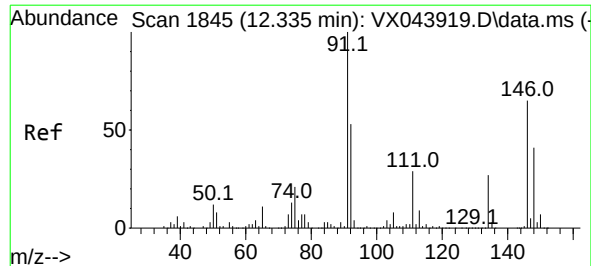
Tgt Ion:117 Resp: 120913

Ion Ratio Lower Upper

117 100

201 62.9 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 96.765 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion:146 Resp: 341767

Ion Ratio Lower Upper

146 100

111 43.3 21.7 65.1

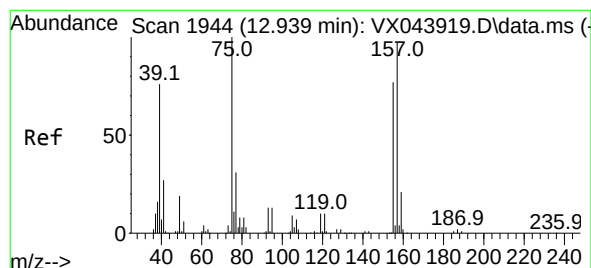
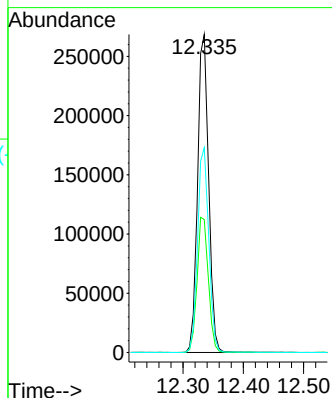
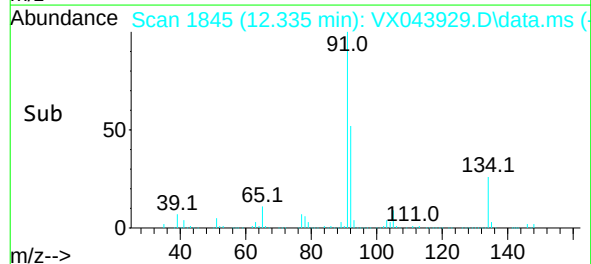
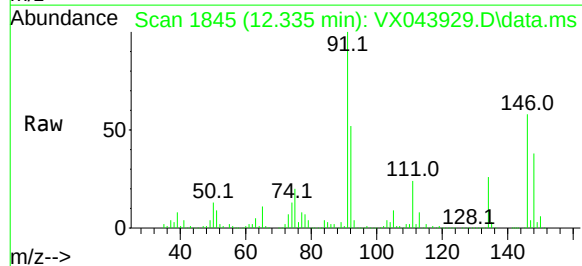
148 65.0 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 110.517 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

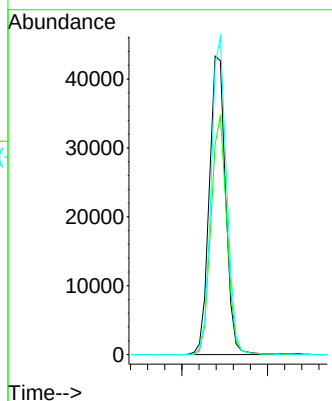
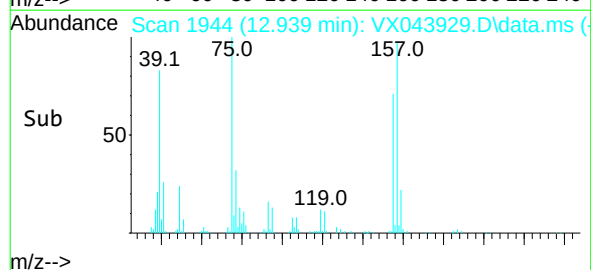
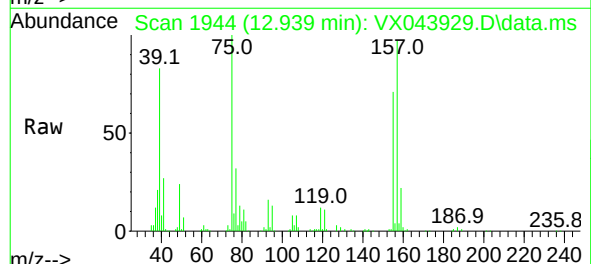
Tgt Ion: 75 Resp: 57287

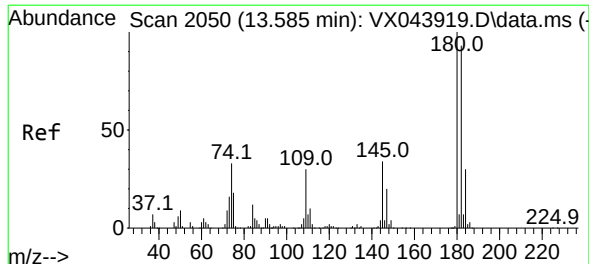
Ion Ratio Lower Upper

75 100

155 77.8 40.8 122.5

157 100.9 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 102.015 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

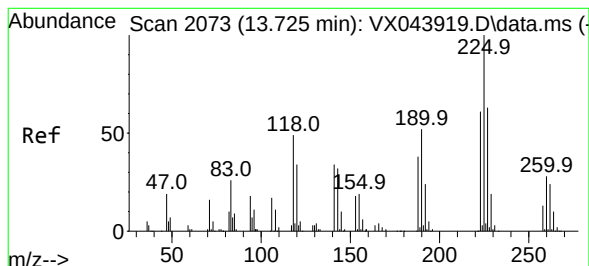
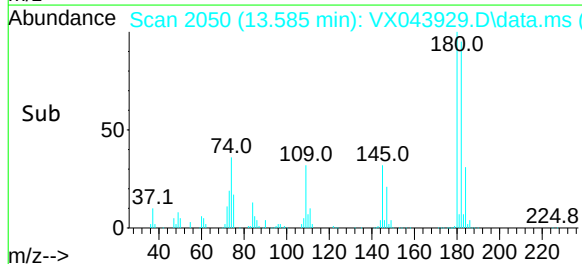
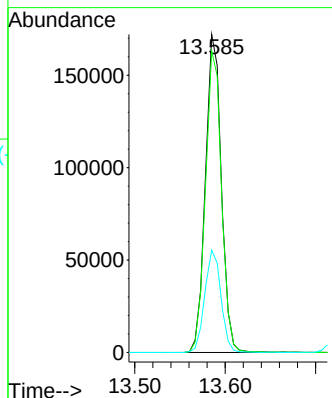
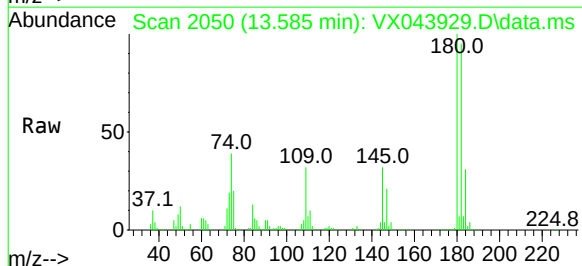
ClientSampleId :

VSTDICC100

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 180   | Resp: | 210571 |
| Ion      | Ratio | Lower | Upper  |
| 180      | 100   |       |        |
| 182      | 95.6  | 46.8  | 140.4  |
| 145      | 32.8  | 16.4  | 49.2   |

Manual Integrations  
APPROVED

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



#94

Hexachlorobutadiene

Concen: 94.363 ug/l

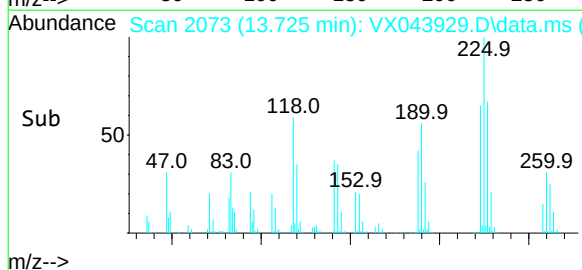
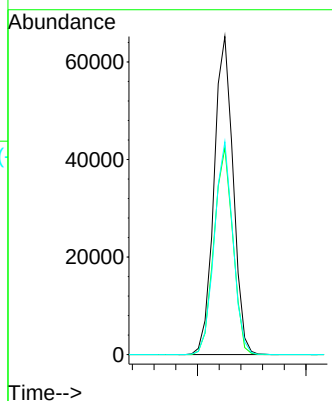
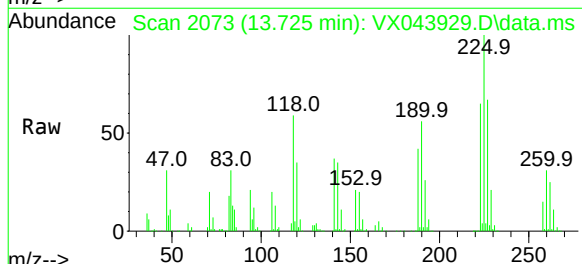
RT: 13.725 min Scan# 2073

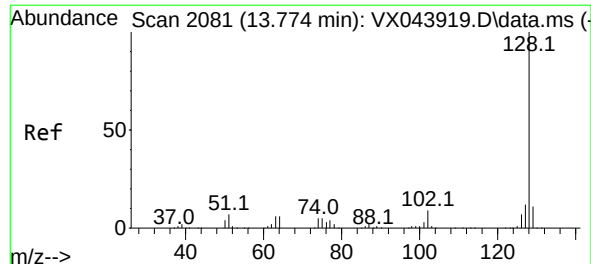
Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 225   | Resp: | 79822 |
| Ion      | Ratio | Lower | Upper |
| 225      | 100   |       |       |
| 223      | 64.1  | 31.1  | 93.3  |
| 227      | 65.0  | 29.8  | 89.5  |





#95

Naphthalene

Concen: 100.923 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

Tgt Ion:128 Resp: 776740

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

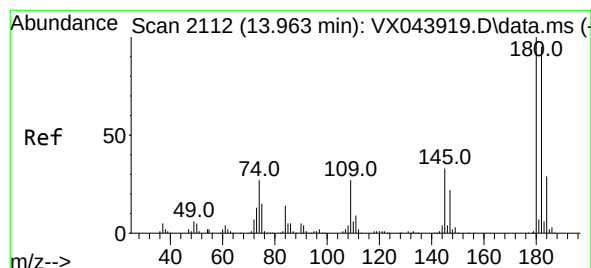
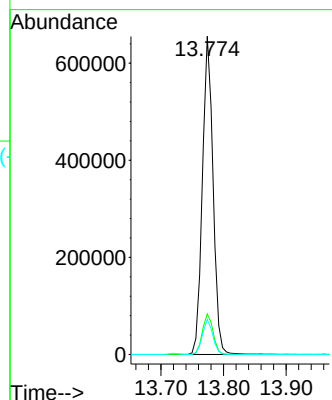
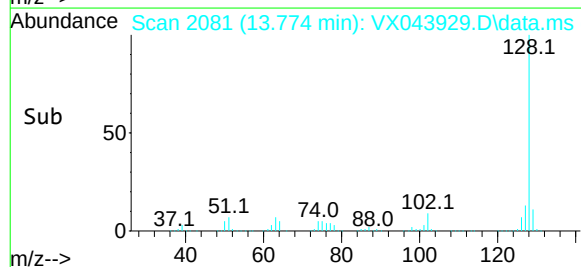
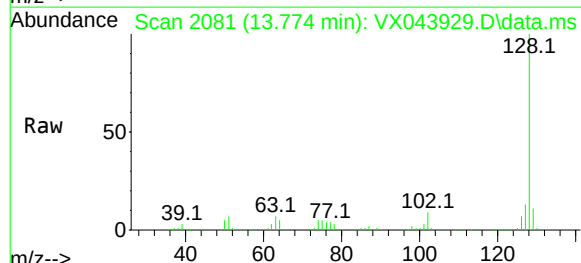
129 10.8 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 98.491 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

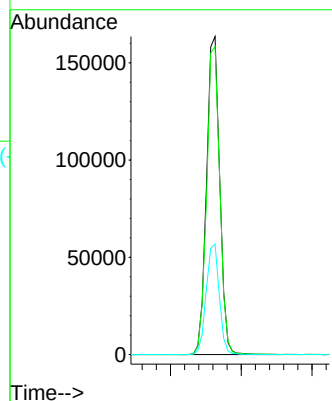
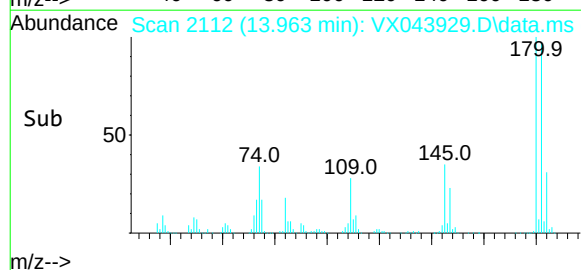
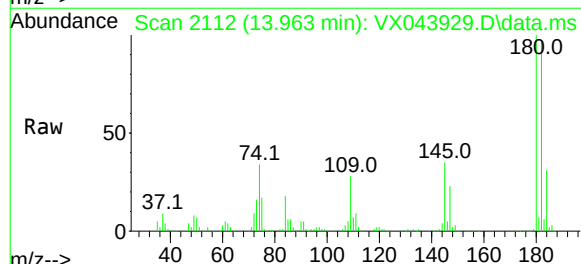
Tgt Ion:180 Resp: 211814

Ion Ratio Lower Upper

180 100

182 96.8 47.6 142.8

145 34.6 17.4 52.2





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043930.D  
 Acq On : 21 Nov 2024 12:03  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Nov 21 12:32:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 12:18:48 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 132286   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 237642   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 203280   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 96376    | 50.000 | ug/l  | # 0.00   |

#### System Monitoring Compounds

|                           |        |       |          |          |      |           |
|---------------------------|--------|-------|----------|----------|------|-----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 349080   | 171.797  | ug/l | 0.00      |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 343.600%# |
| 35) Dibromofluoromethane  | 5.385  | 113   | 268135   | 168.036  | ug/l | 0.00      |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 336.080%# |
| 50) Toluene-d8            | 8.647  | 98    | 896413   | 168.154  | ug/l | 0.00      |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 336.300%# |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 324612   | 184.279  | ug/l | 0.00      |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 368.560%# |

#### Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 241389  | 180.335 | ug/l | 97     |
| 3) Chloromethane             | 1.294 | 50  | 268770  | 160.659 | ug/l | 100    |
| 4) Vinyl Chloride            | 1.374 | 62  | 271568  | 161.568 | ug/l | 99     |
| 5) Bromomethane              | 1.593 | 94  | 175581  | 229.967 | ug/l | 98     |
| 6) Chloroethane              | 1.660 | 64  | 140375  | 174.839 | ug/l | 98     |
| 7) Trichlorofluoromethane    | 1.861 | 101 | 527057  | 219.944 | ug/l | 100    |
| 8) Diethyl Ether             | 2.136 | 74  | 185146  | 204.934 | ug/l | 94     |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 237653  | 167.580 | ug/l | 97     |
| 10) Methyl Iodide            | 2.440 | 142 | 299792  | 150.207 | ug/l | 96     |
| 11) Tert butyl alcohol       | 3.014 | 59  | 306168  | 947.555 | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 228504  | 166.017 | ug/l | 91     |
| 13) Acrolein                 | 2.239 | 56  | 294638  | 813.086 | ug/l | 100    |
| 14) Allyl chloride           | 2.654 | 41  | 394228  | 176.662 | ug/l | 91     |
| 15) Acrylonitrile            | 3.068 | 53  | 684169  | 822.558 | ug/l | 98     |
| 16) Acetone                  | 2.392 | 43  | 734161  | 899.588 | ug/l | 92     |
| 17) Carbon Disulfide         | 2.501 | 76  | 554853  | 184.625 | ug/l | 100    |
| 18) Methyl Acetate           | 2.703 | 43  | 361338  | 161.681 | ug/l | 98     |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 869848  | 170.980 | ug/l | 98     |
| 20) Methylene Chloride       | 2.782 | 84  | 260099  | 152.260 | ug/l | 94     |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 245485  | 163.596 | ug/l | 95     |
| 22) Diisopropyl ether        | 3.763 | 45  | 835960  | 171.467 | ug/l | 96     |
| 23) Vinyl Acetate            | 3.721 | 43  | 3797951 | 961.094 | ug/l | 97     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 479590  | 167.262 | ug/l | 99     |
| 25) 2-Butanone               | 4.568 | 43  | 1012692 | 887.025 | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 440061  | 186.761 | ug/l | 97     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 304342  | 162.978 | ug/l | 94     |
| 28) Bromochloromethane       | 4.891 | 49  | 207753  | 172.194 | ug/l | 91     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 617277  | 836.734 | ug/l | 98     |
| 30) Chloroform               | 5.092 | 83  | 513285  | 171.734 | ug/l | 98     |
| 31) Cyclohexane              | 5.458 | 56  | 367157  | 157.989 | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 455922  | 178.438 | ug/l | 98     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 331239  | 166.559 | ug/l | 98     |
| 37) Ethyl Acetate            | 4.721 | 43  | 393670  | 175.887 | ug/l | 97     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 376287  | 178.719 | ug/l | 98     |
| 39) Methylcyclohexane        | 7.372 | 83  | 410333  | 164.816 | ug/l | 96     |
| 40) Benzene                  | 6.031 | 78  | 999210  | 159.808 | ug/l | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043930.D  
 Acq On : 21 Nov 2024 12:03  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Nov 21 12:32:05 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 21 12:18:48 2024  
 Response via : Initial Calibration

Manual Integrations  
 APPROVED

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

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 206026   | 176.637  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 397508   | 175.089  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 661839   | 187.445  | ug/l   | 94       |
| 44) Trichloroethene           | 7.123  | 130  | 251071   | 145.657  | ug/l   | 97       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 249394   | 162.744  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 202329   | 175.212  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 388259   | 191.362  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 315872   | 180.493  | ug/l   | 88       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 106634   | 2860.706 | ug/l # | 76       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 1954925  | 887.971  | ug/l   | 96       |
| 52) Toluene                   | 8.714  | 92   | 607179   | 168.323  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 406346   | 197.387  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 428549   | 183.704  | ug/l   | 93       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 245706   | 174.579  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 420409   | 188.658  | ug/l # | 88       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 416811   | 176.770  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 1023576  | 875.887  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 1493755  | 961.650  | ug/l   | 94       |
| 60) Dibromochloromethane      | 9.518  | 129  | 286188   | 208.679  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 261369   | 178.035  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.268  | 164  | 202262   | 155.122  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 675513   | 159.085  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 241604   | 170.964  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 1181693  | 165.365  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 884067   | 332.148  | ug/l   | 97       |
| 69) o-Xylene                  | 10.640 | 106  | 436919   | 168.240  | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 742061   | 173.379  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 186691   | 161.632  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 1135309  | 165.031  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 586560   | 159.995  | ug/l   | 94       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 379947   | 163.351  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 313344m  | 159.312  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 270671   | 160.539  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 1296979  | 170.866  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 788163   | 163.185  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 936129   | 164.167  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 136104   | 161.734  | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 919566   | 165.319  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 945058   | 162.017  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 933275   | 161.161  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1148877  | 164.934  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 972007   | 166.189  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 490336   | 156.923  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 494318   | 154.301  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 903805   | 181.353  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 180575   | 151.823  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 503214   | 153.818  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 87963    | 146.019  | ug/l   | 93       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 325289   | 170.137  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 121126   | 154.589  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 1173154  | 164.565  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 326693   | 164.001  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043930.D  
Acq On : 21 Nov 2024 12:03  
Operator : JC/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

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

Quant Time: Nov 21 12:32:05 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 12:18:48 2024  
Response via : Initial Calibration

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

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

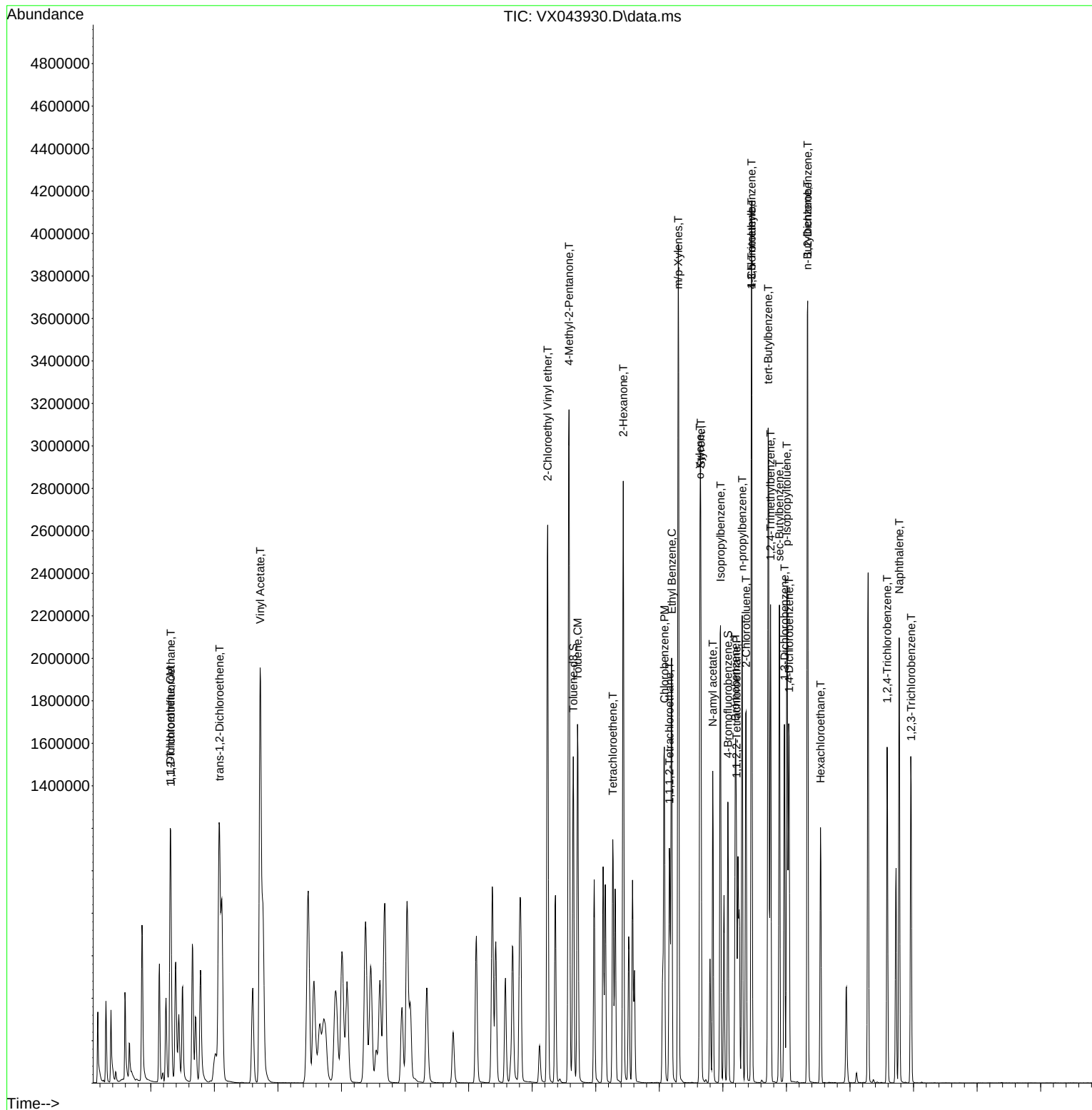
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Data File : VX043930.D  
Acq On : 21 Nov 2024 12:03  
Operator : JC/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

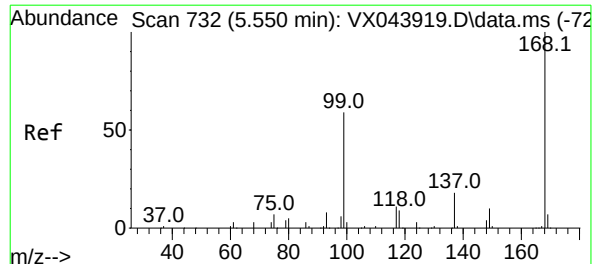
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

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

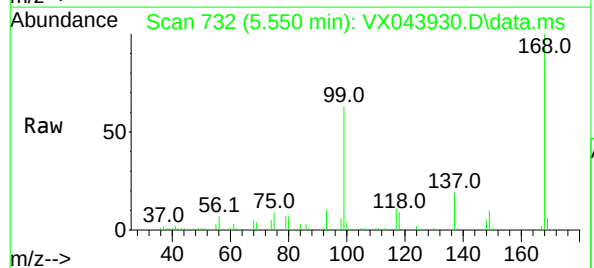
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Quant Title : SW846 8260  
QLast Update : Thu Nov 21 12:18:48 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 73  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

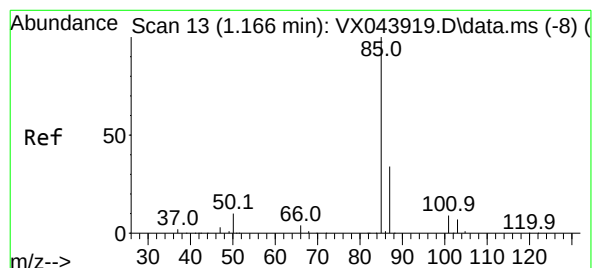
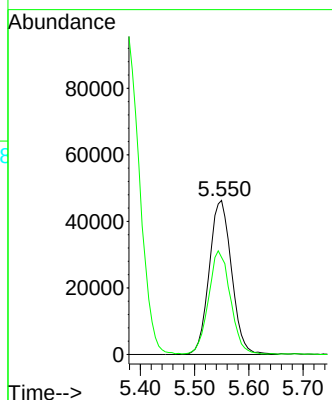
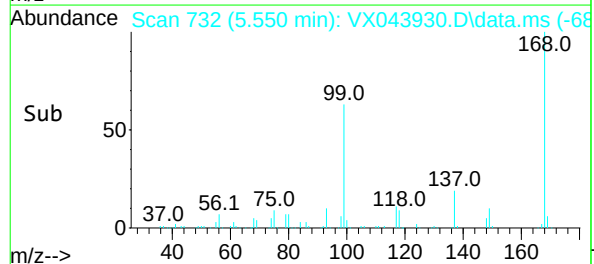
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150



Tgt Ion: 168 Resp: 132286  
Ion Ratio Lower Upper  
168 100  
99 62.9 46.9 70.3

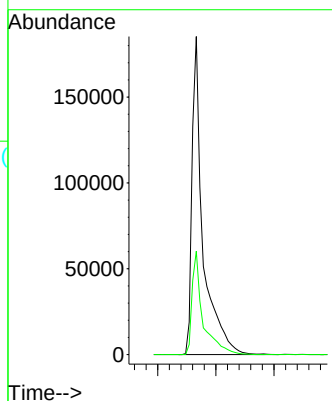
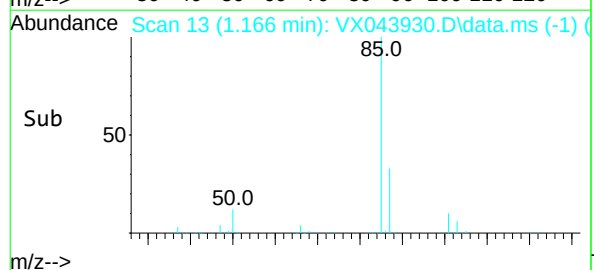
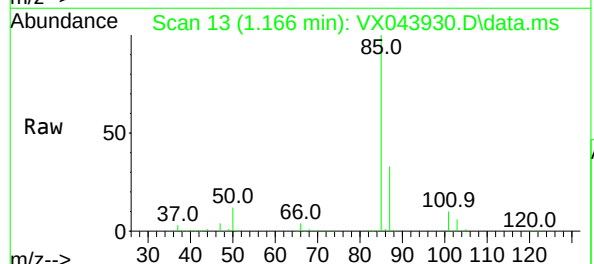
Manual Integrations  
APPROVED

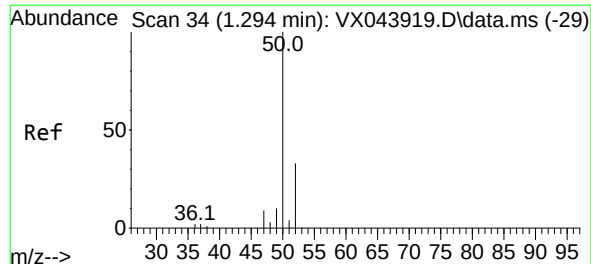
Reviewed By : John Carlone 11/22/2024  
Supervised By : Mahesh Dadoda 11/22/2024



#2  
Dichlorodifluoromethane  
Concen: 180.335 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389  
Ion Ratio Lower Upper  
85 100  
87 32.5 17.1 51.2





#3

Chloromethane

Concen: 160.659 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 268770

Ion Ratio Lower Upper

50 100

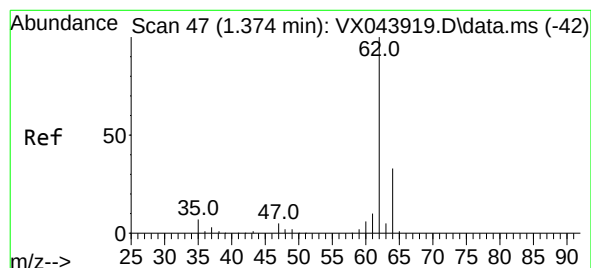
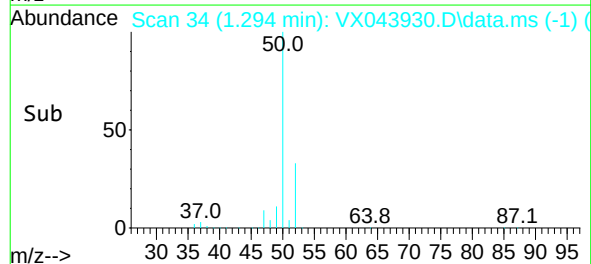
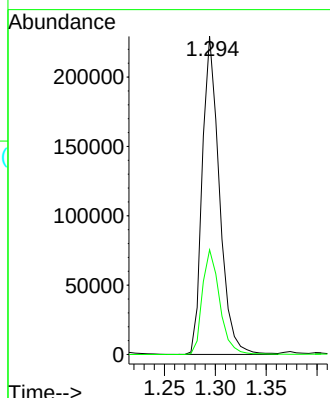
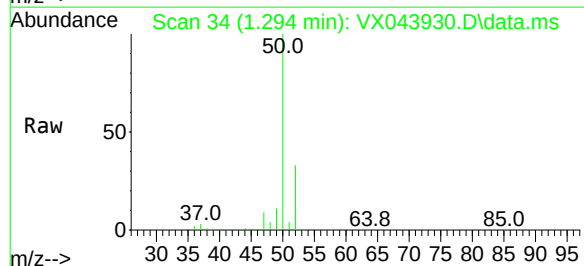
52 32.9 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#4

Vinyl Chloride

Concen: 161.568 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043930.D

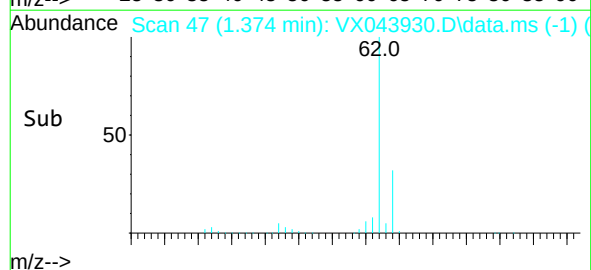
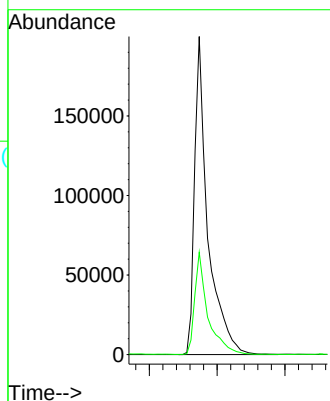
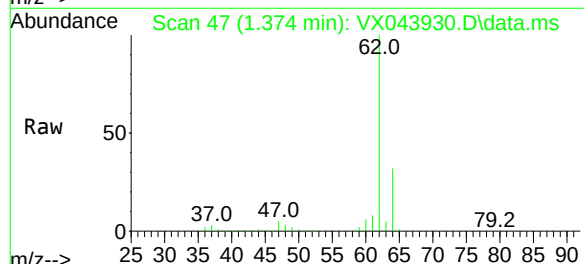
Acq: 21 Nov 2024 12:03

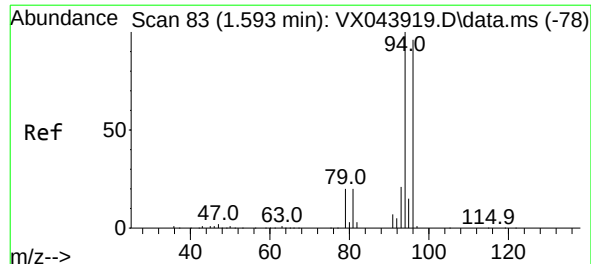
Tgt Ion: 62 Resp: 271568

Ion Ratio Lower Upper

62 100

64 32.1 26.1 39.1





#5

Bromomethane

Concen: 229.967 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 175581

Ion Ratio Lower Upper

94 100

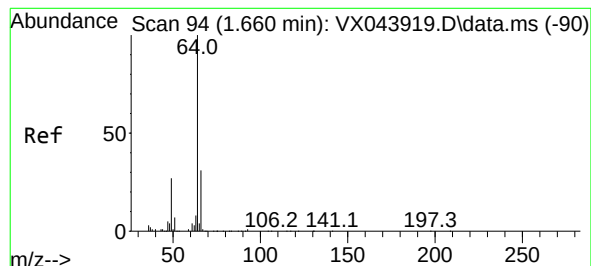
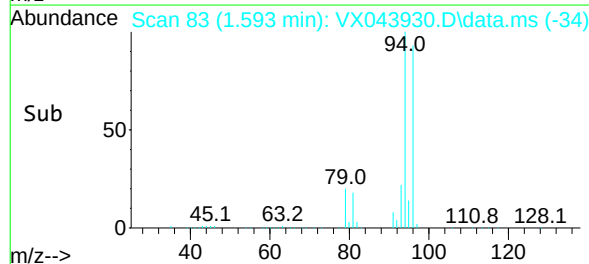
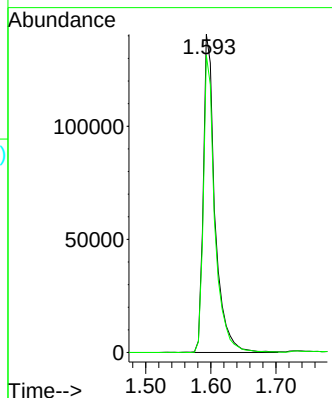
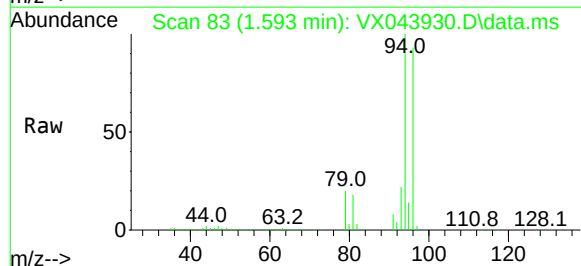
96 93.5 76.5 114.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#6

Chloroethane

Concen: 174.839 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX043930.D

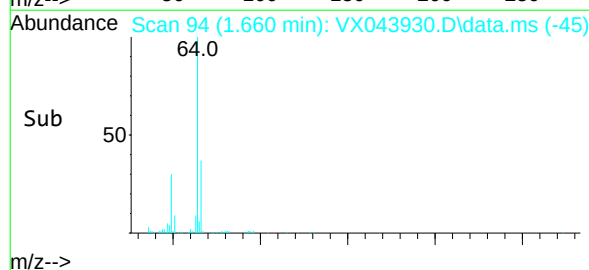
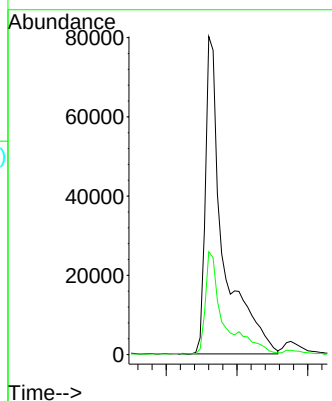
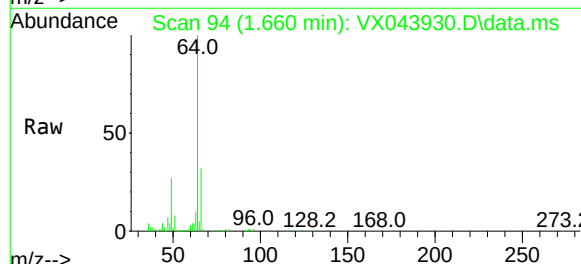
Acq: 21 Nov 2024 12:03

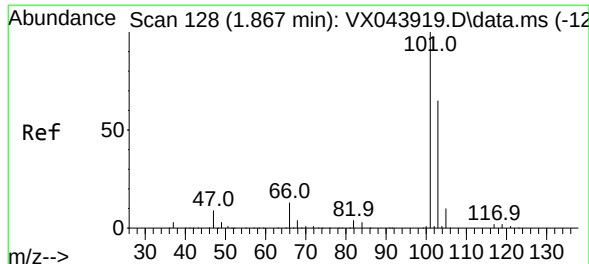
Tgt Ion: 64 Resp: 140375

Ion Ratio Lower Upper

64 100

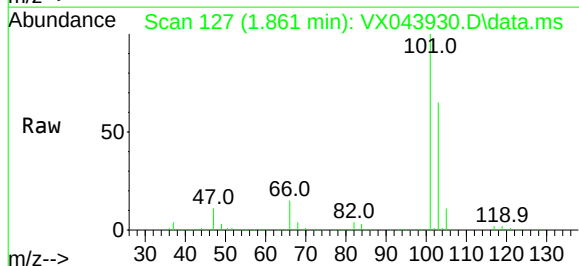
66 32.0 24.9 37.3





Trichlorofluoromethane  
Concen: 219.944 ug/l  
RT: 1.861 min Scan# 128  
Delta R.T. -0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

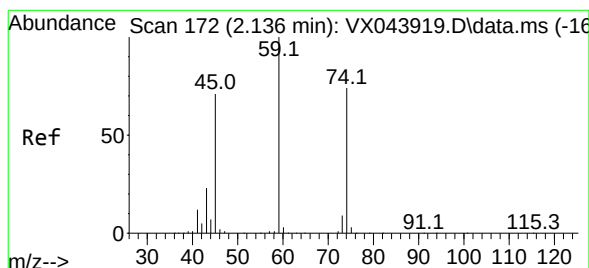
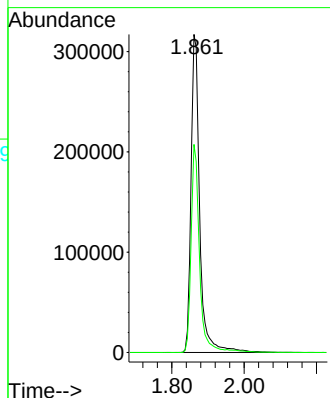
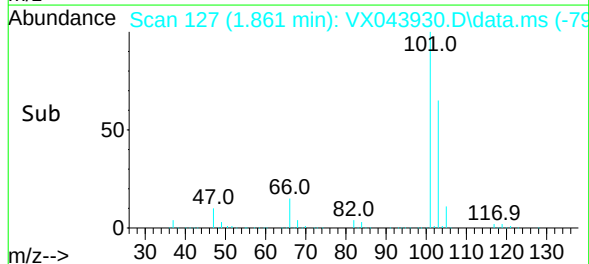
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150



Tgt Ion: 101 Resp: 527057  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.2 78.4

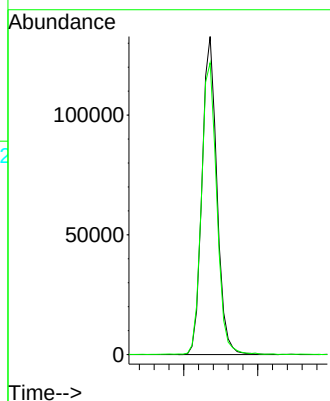
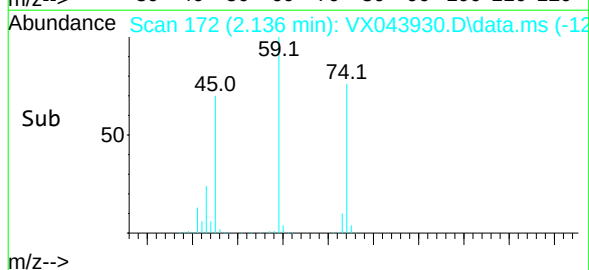
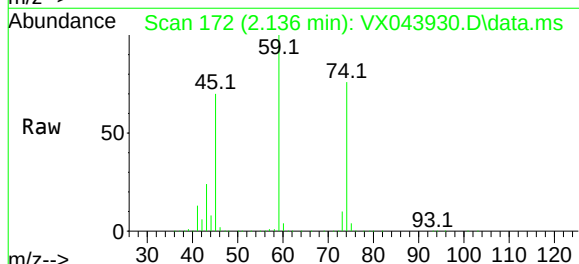
Manual Integrations  
APPROVED

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

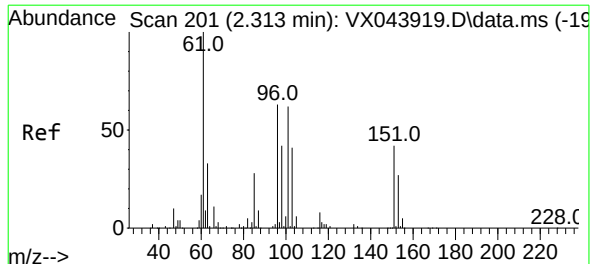


Diethyl Ether  
Concen: 204.934 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146  
Ion Ratio Lower Upper  
74 100  
45 94.1 49.9 149.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 167.580 ug/l

RT: 2.312 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:101 Resp: 237653

Ion Ratio Lower Upper

101 100

85 46.8 36.6 54.8

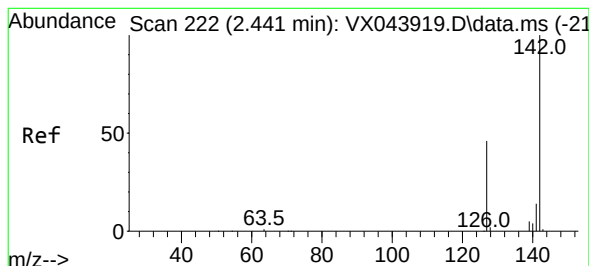
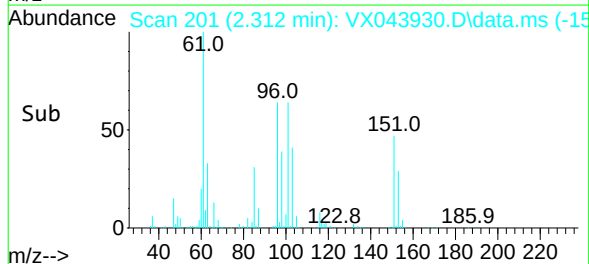
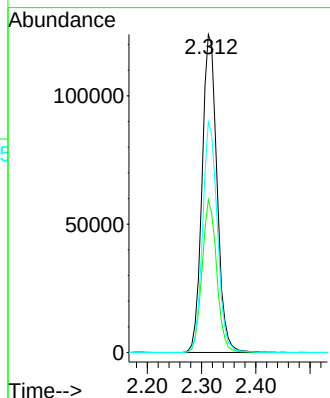
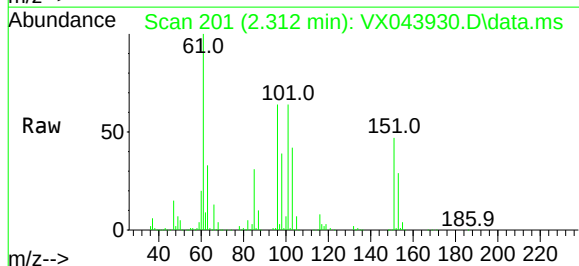
151 71.3 59.8 89.6

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#10

Methyl Iodide

Concen: 150.207 ug/l

RT: 2.440 min Scan# 222

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

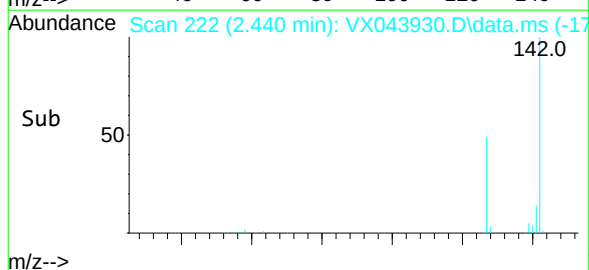
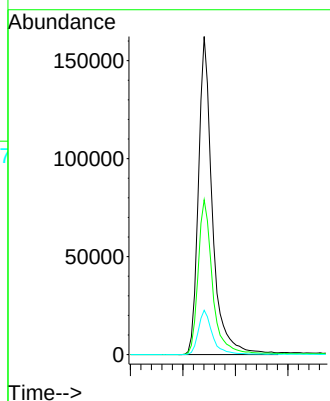
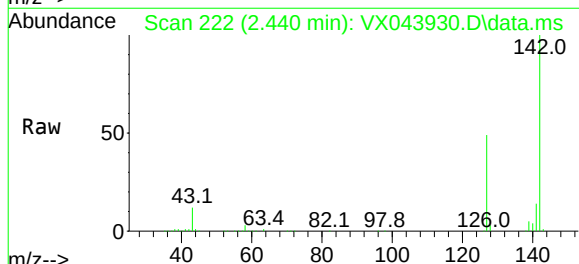
Tgt Ion:142 Resp: 299792

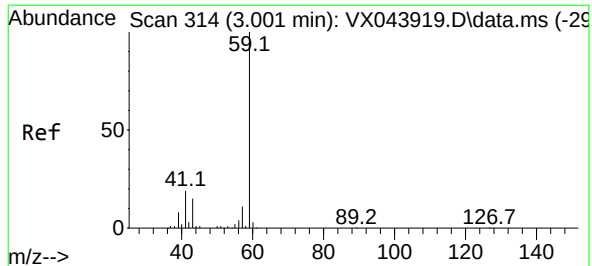
Ion Ratio Lower Upper

142 100

127 50.1 37.3 55.9

141 14.2 11.4 17.2





#11

Tert butyl alcohol

Concen: 947.555 ug/l

RT: 3.014 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 59 Resp: 306168

Ion Ratio Lower Upper

59 100

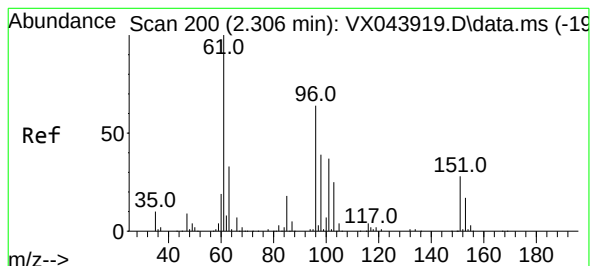
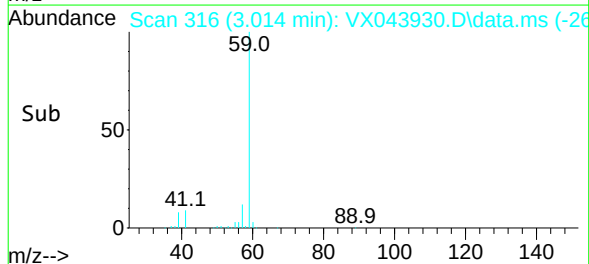
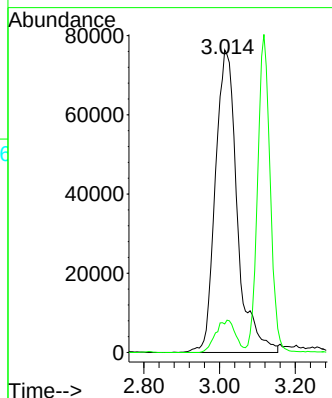
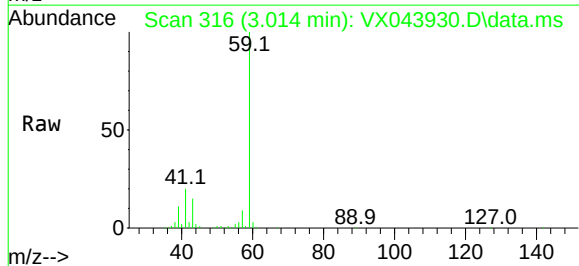
57 9.8 8.2 12.4

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 166.017 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

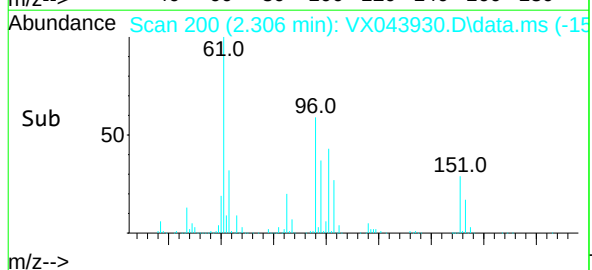
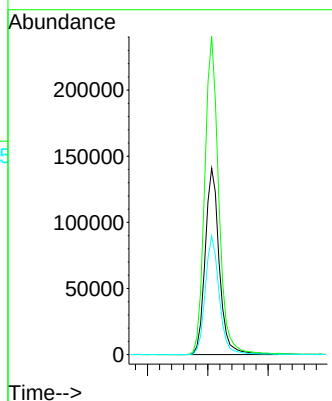
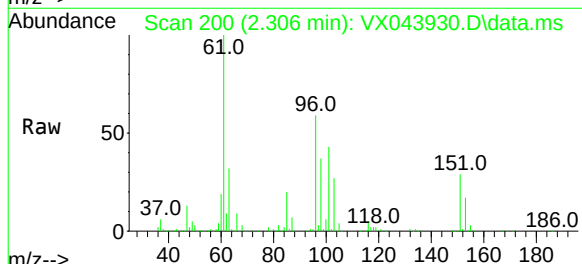
Tgt Ion: 96 Resp: 228504

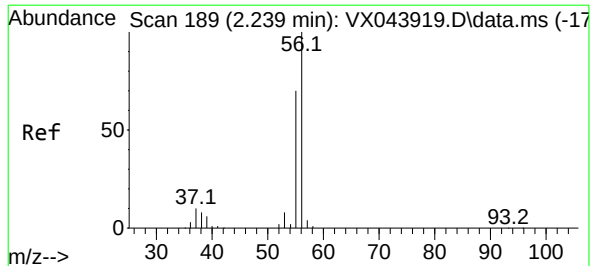
Ion Ratio Lower Upper

96 100

61 170.7 124.6 187.0

98 63.7 49.0 73.6





#13

Acrolein

Concen: 813.086 ug/l

RT: 2.239 min Scan# 189

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 294638

Ion Ratio Lower Upper

56 100

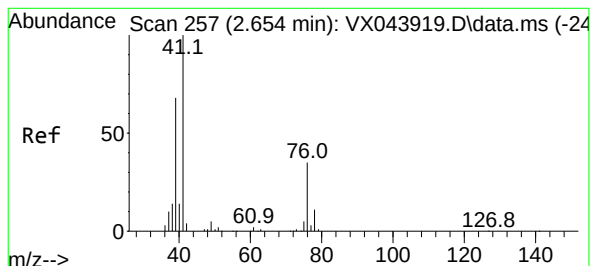
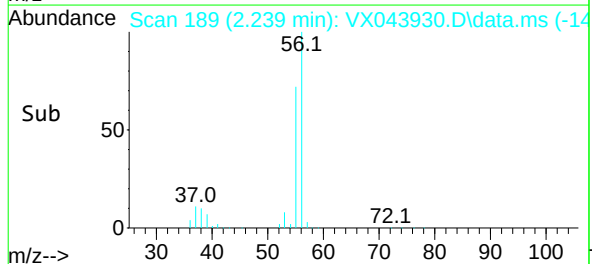
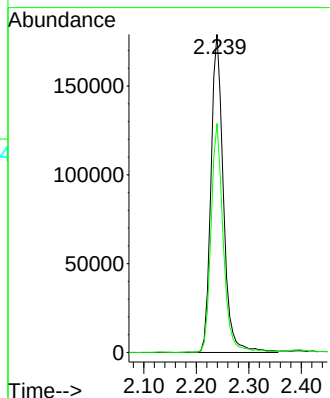
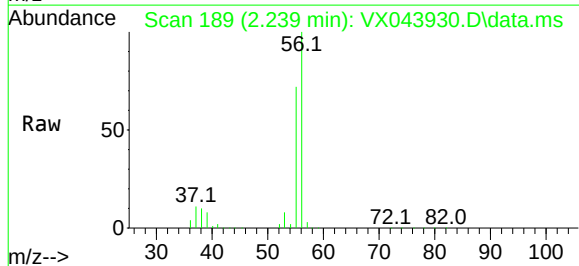
55 70.1 56.1 84.1

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 176.662 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

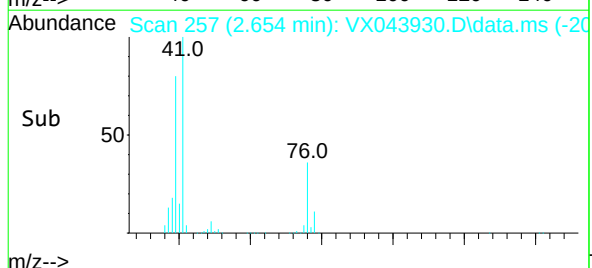
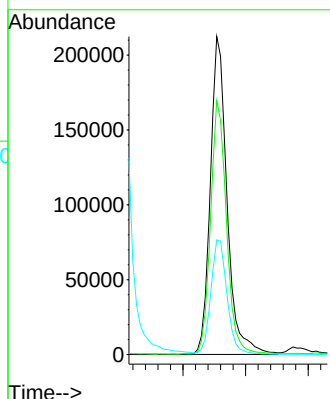
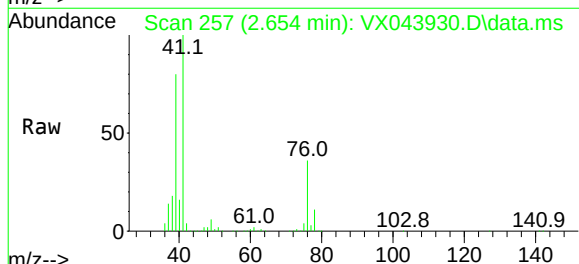
Tgt Ion: 41 Resp: 394228

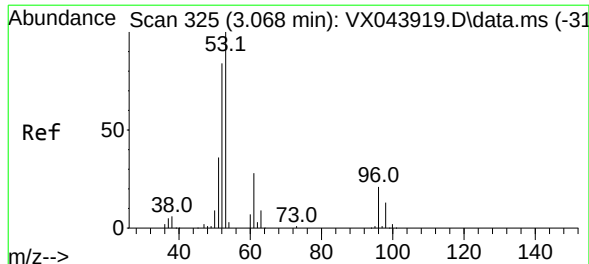
Ion Ratio Lower Upper

41 100

39 76.1 51.7 77.5

76 35.2 28.2 42.2





#15

Acrylonitrile

Concen: 822.558 ug/l

RT: 3.068 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 53 Resp: 684169

Ion Ratio Lower Upper

53 100

52 83.9 65.8 98.8

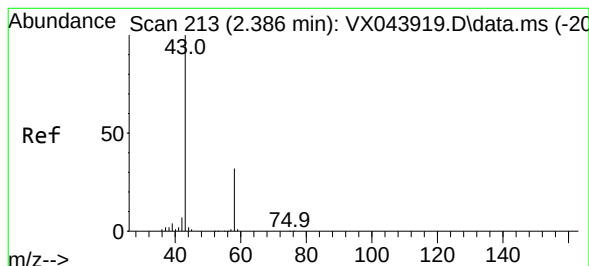
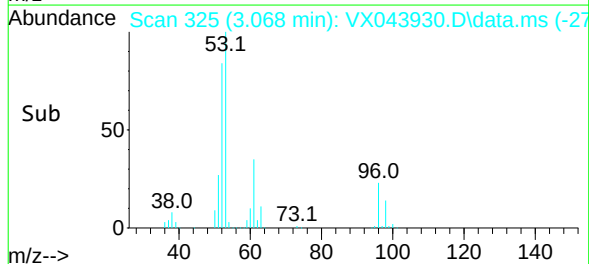
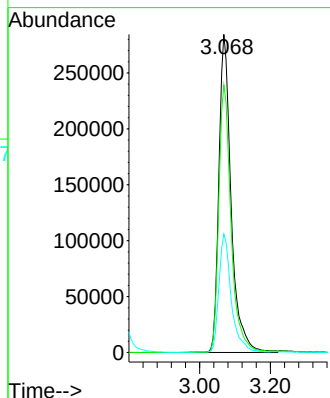
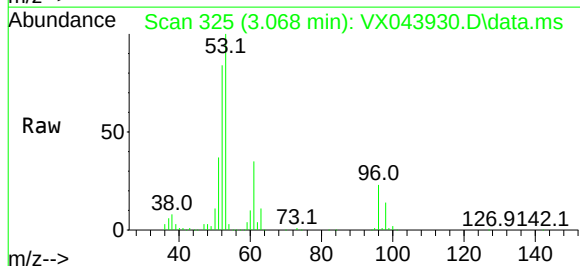
51 37.1 28.6 42.8

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 899.588 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.006 min

Lab File: VX043930.D

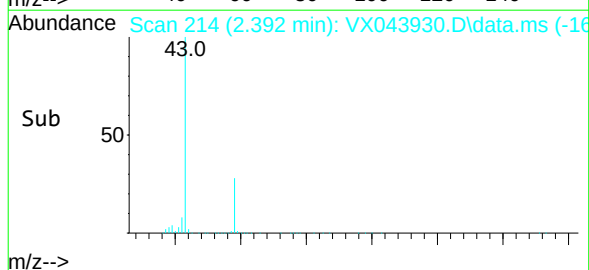
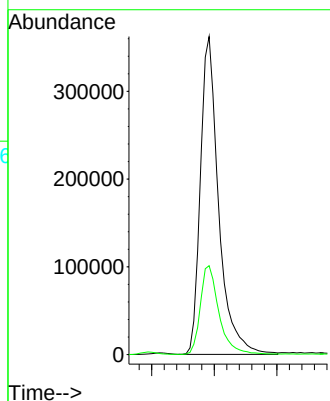
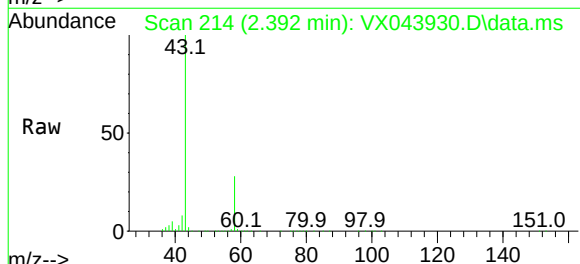
Acq: 21 Nov 2024 12:03

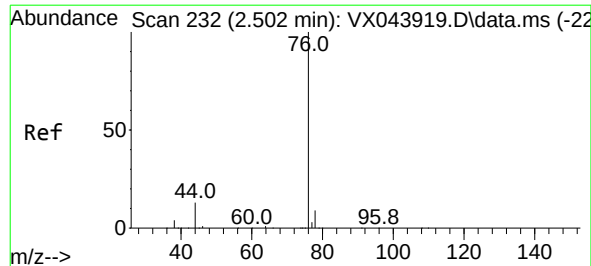
Tgt Ion: 43 Resp: 734161

Ion Ratio Lower Upper

43 100

58 27.9 25.8 38.6





#17

Carbon Disulfide

Concen: 184.625 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 554853

Ion Ratio Lower Upper

76 100

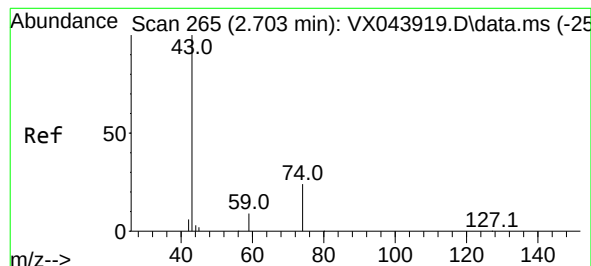
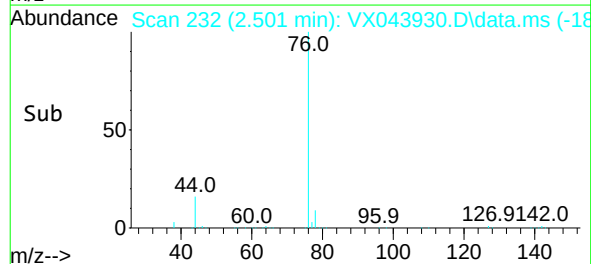
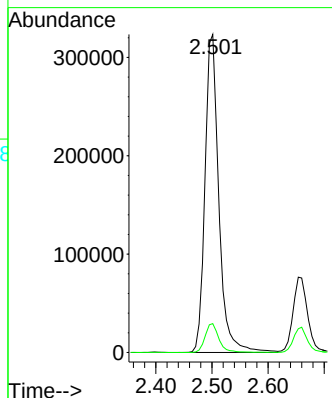
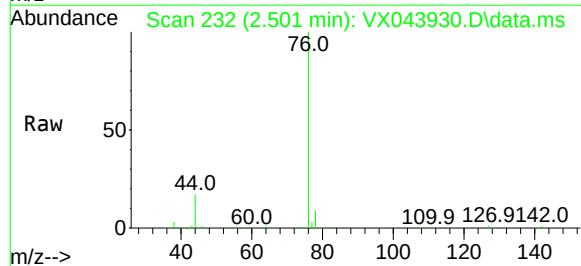
78 9.1 7.3 10.9

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 161.681 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043930.D

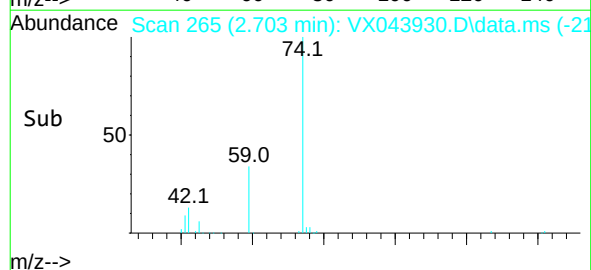
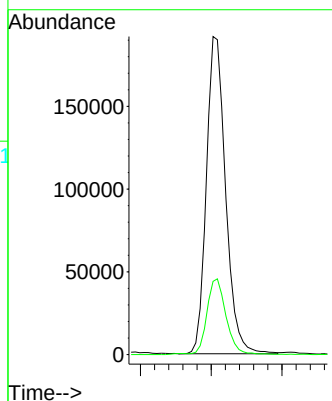
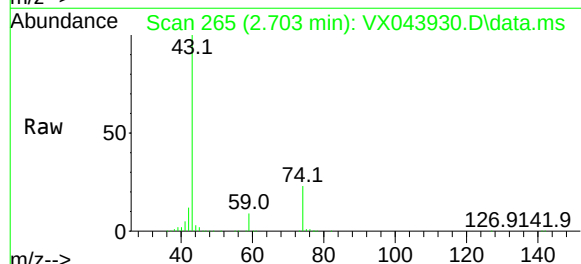
Acq: 21 Nov 2024 12:03

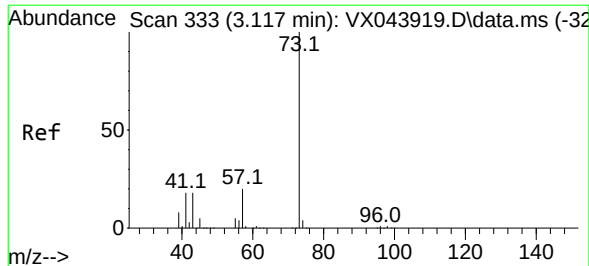
Tgt Ion: 43 Resp: 361338

Ion Ratio Lower Upper

43 100

74 24.0 20.1 30.1





#19

Methyl tert-butyl Ether

Concen: 170.980 ug/l

RT: 3.117 min Scan# 333

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 73 Resp: 869848

Ion Ratio Lower Upper

73 100

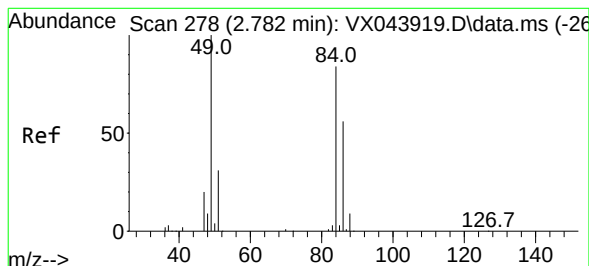
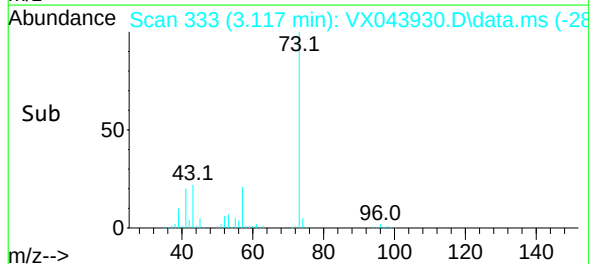
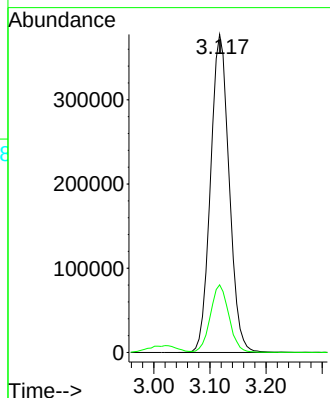
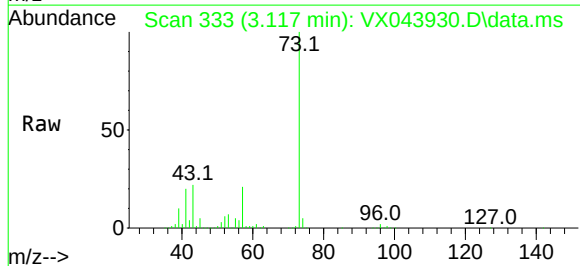
57 21.2 16.4 24.6

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 152.260 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

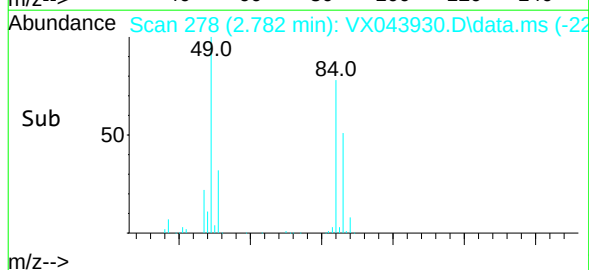
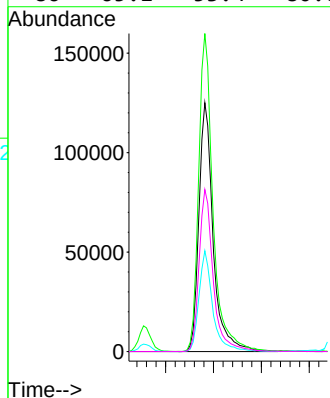
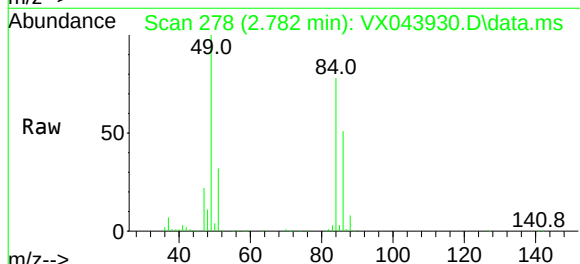
Ion Ratio Lower Upper

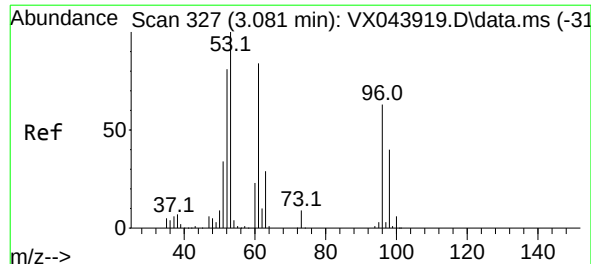
84 100

49 127.7 95.1 142.7

51 40.5 29.2 43.8

86 65.1 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 163.596 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 245485

Ion Ratio Lower Upper

96 100

61 141.6 106.4 159.6

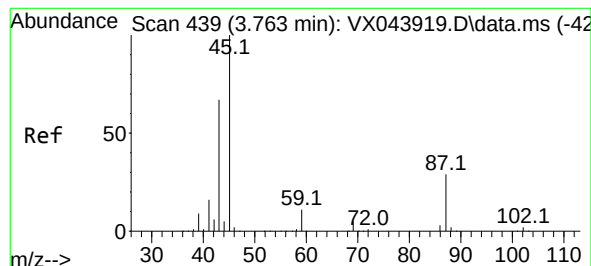
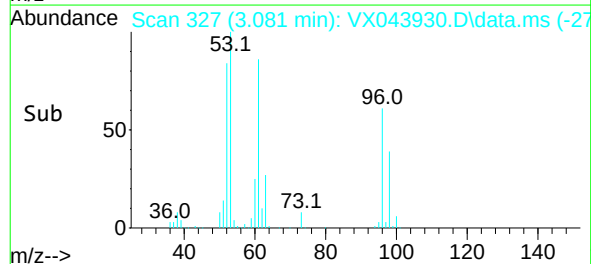
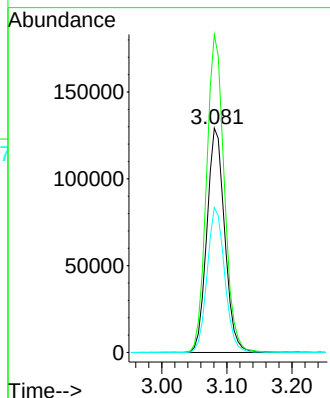
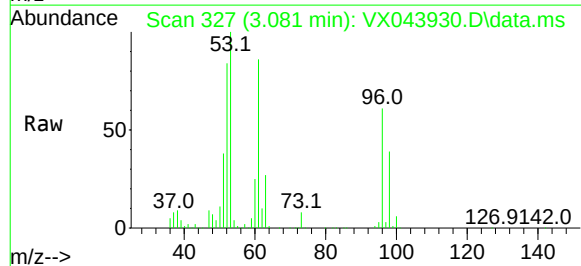
98 64.6 50.9 76.3

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#22

Diisopropyl ether

Concen: 171.467 ug/l

RT: 3.763 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960

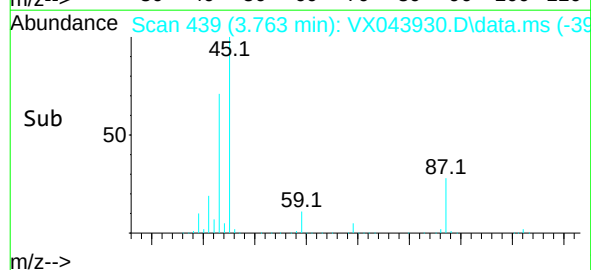
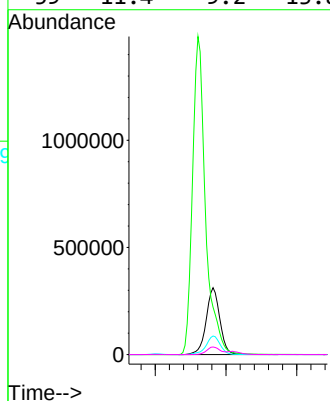
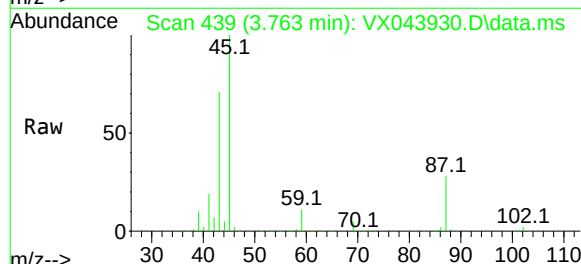
Ion Ratio Lower Upper

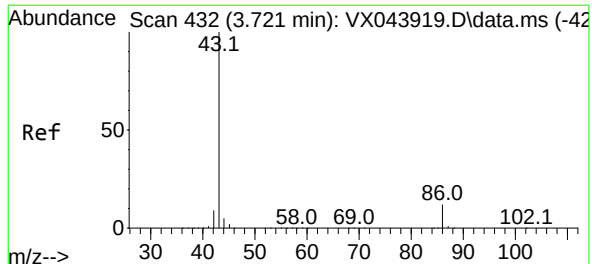
45 100

43 70.8 53.8 80.6

87 27.8 23.4 35.2

59 11.4 9.2 13.8





#23

Vinyl Acetate

Concen: 961.094 ug/l

RT: 3.721 min Scan# 43

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 3797951

Ion Ratio Lower Upper

43 100

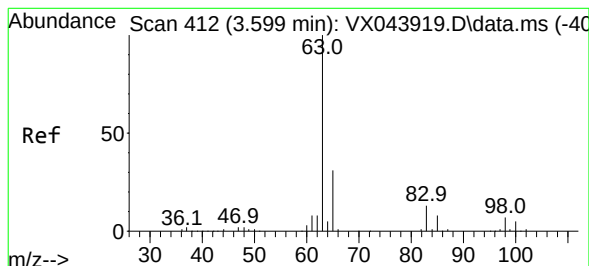
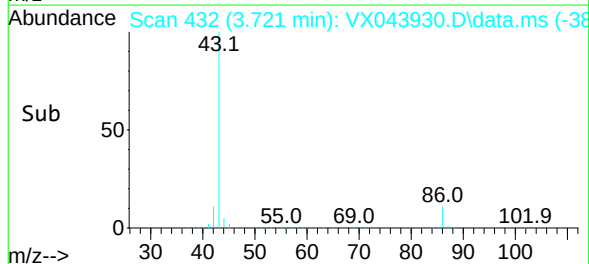
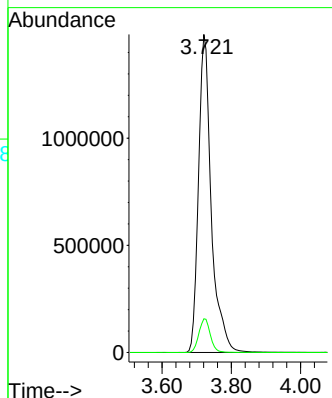
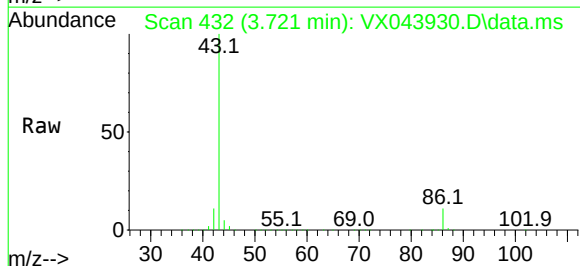
86 10.6 9.4 14.0

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 167.262 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

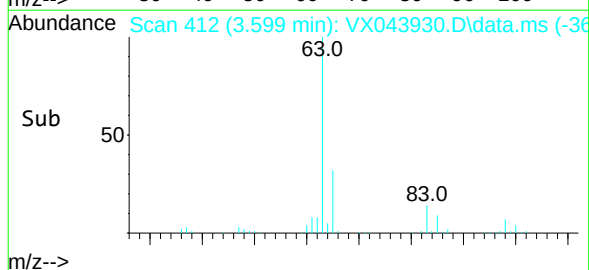
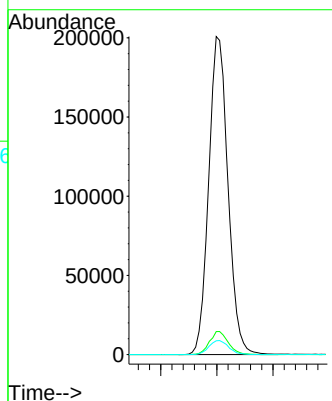
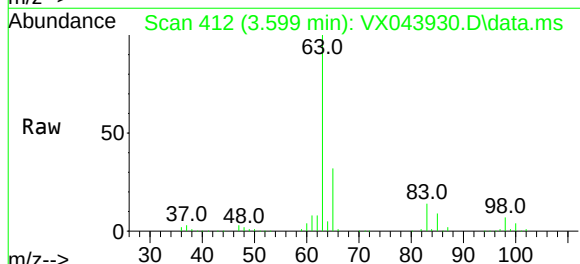
Tgt Ion: 63 Resp: 479590

Ion Ratio Lower Upper

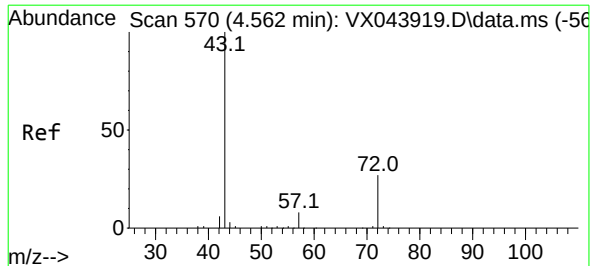
63 100

98 7.2 3.7 11.1

100 4.3 2.4 7.2







#25

2-Butanone

Concen: 887.025 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1012692

Ion Ratio Lower Upper

43 100

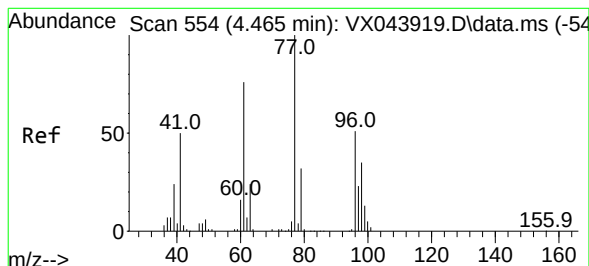
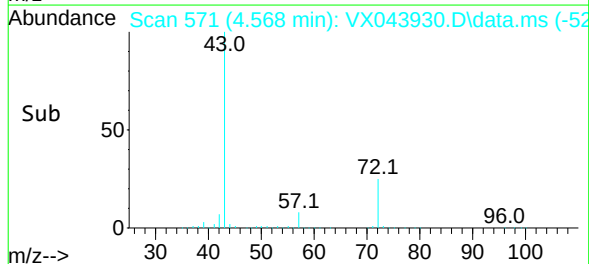
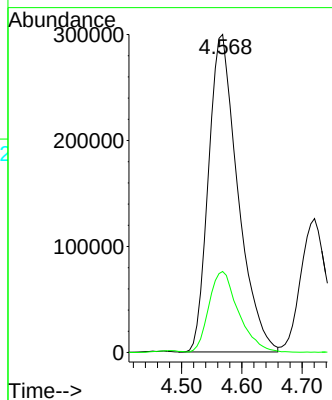
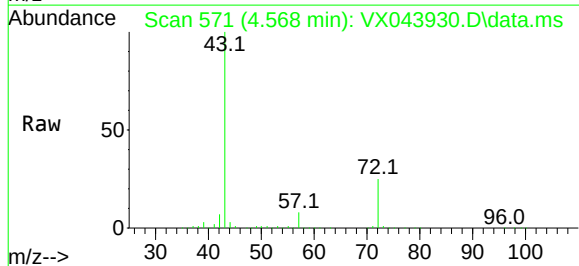
72 25.2 21.3 31.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 186.761 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043930.D

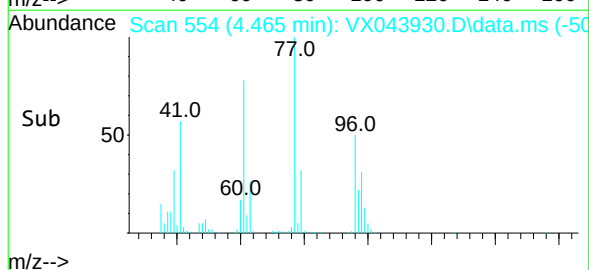
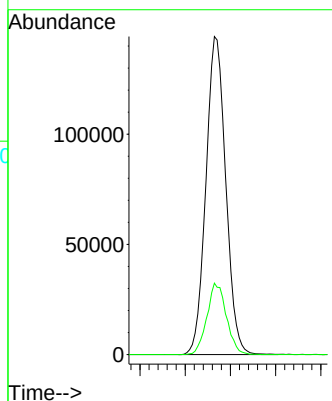
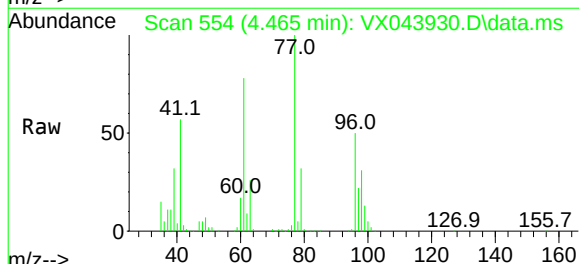
Acq: 21 Nov 2024 12:03

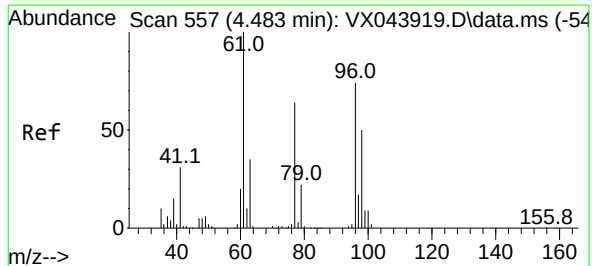
Tgt Ion: 77 Resp: 440061

Ion Ratio Lower Upper

77 100

97 22.0 11.7 35.1





#27

cis-1,2-Dichloroethene

Concen: 162.978 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 96 Resp: 304342

Ion Ratio Lower Upper

96 100

61 148.2 0.0 279.4

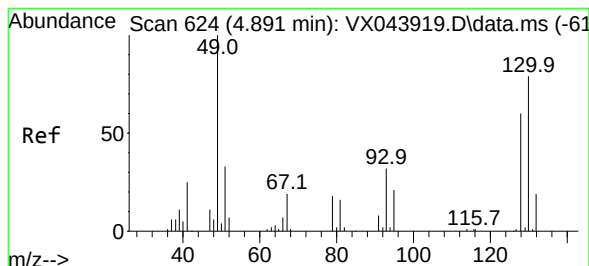
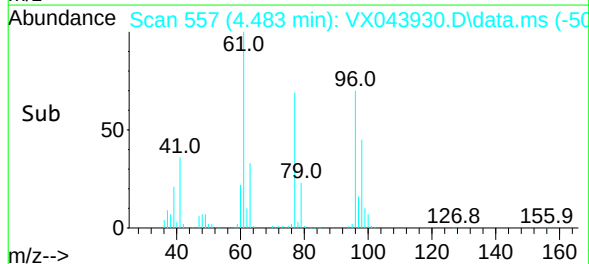
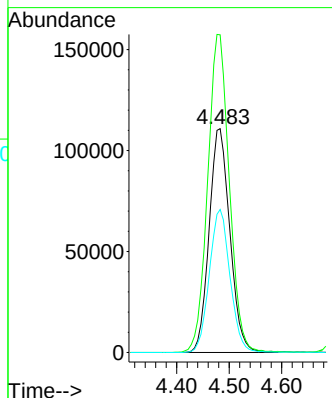
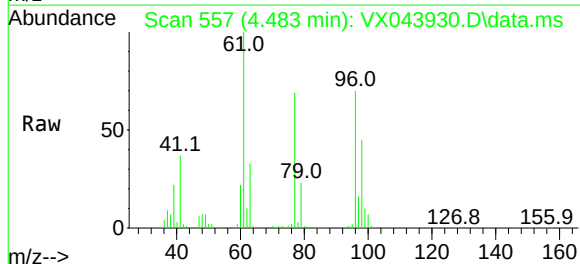
98 63.8 0.0 131.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 172.194 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

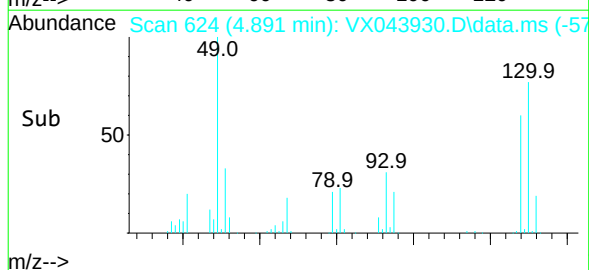
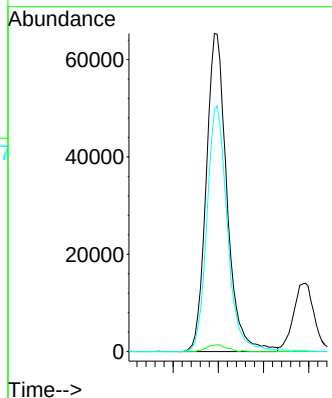
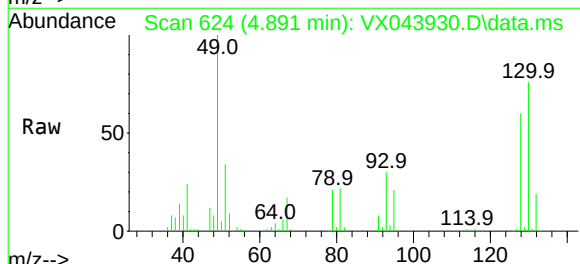
Tgt Ion: 49 Resp: 207753

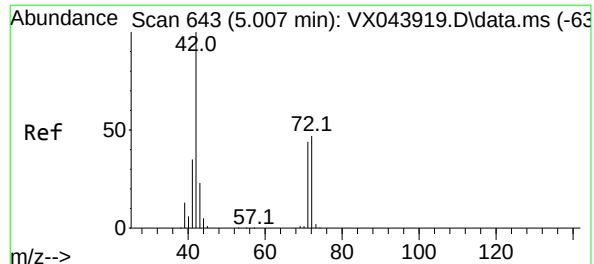
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.4

130 76.4 68.2 102.2





#29

Tetrahydrofuran

Concen: 836.734 ug/l

RT: 5.007 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 42 Resp: 617277

Ion Ratio Lower Upper

42 100

72 45.8 37.9 56.9

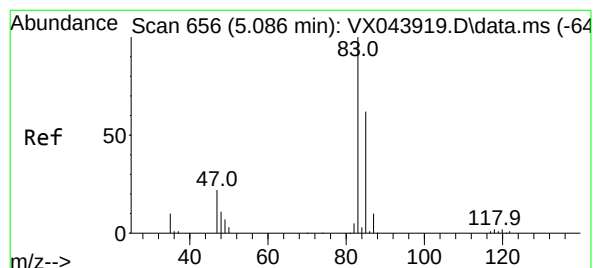
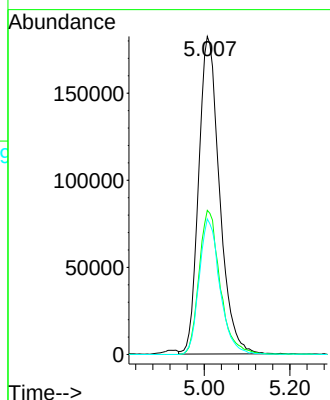
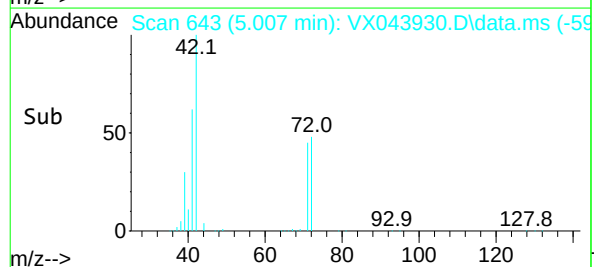
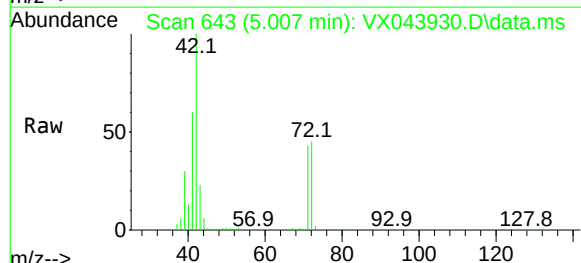
71 42.3 34.8 52.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#30

Chloroform

Concen: 171.734 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX043930.D

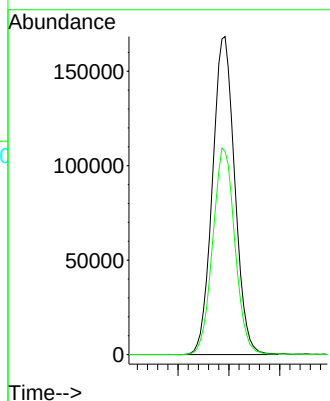
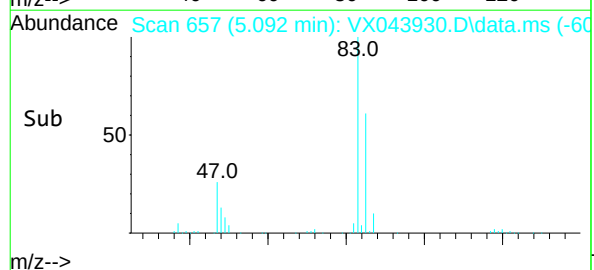
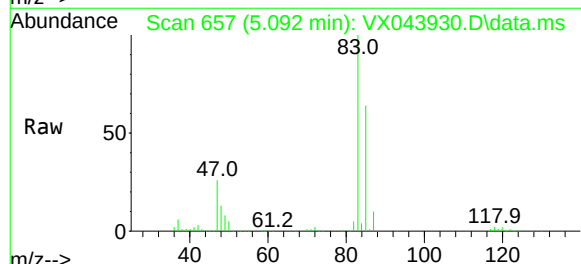
Acq: 21 Nov 2024 12:03

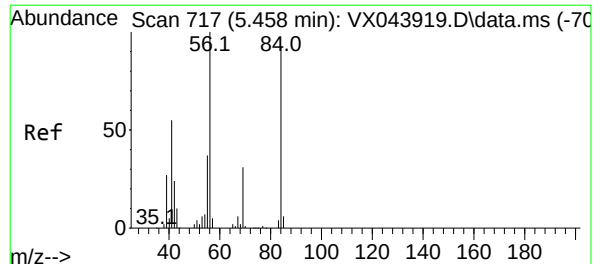
Tgt Ion: 83 Resp: 513285

Ion Ratio Lower Upper

83 100

85 63.9 49.7 74.5





#31

Cyclohexane

Concen: 157.989 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 367157

Ion Ratio Lower Upper

56 100

69 31.1 24.9 37.3

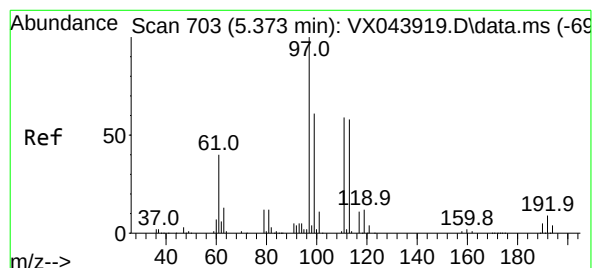
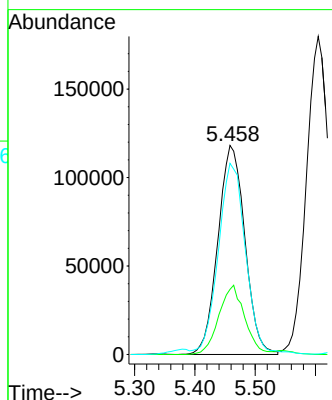
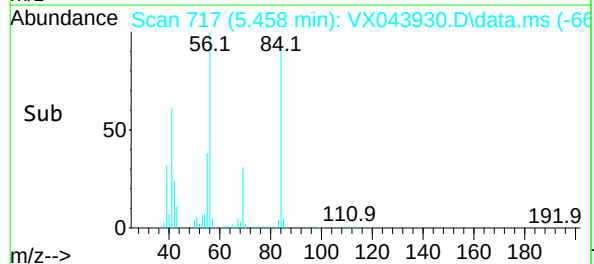
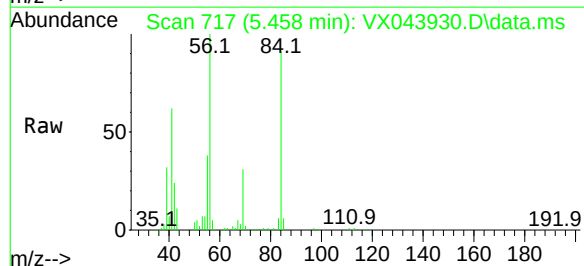
84 89.9 73.8 110.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 178.438 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

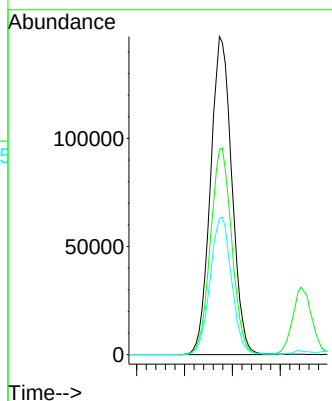
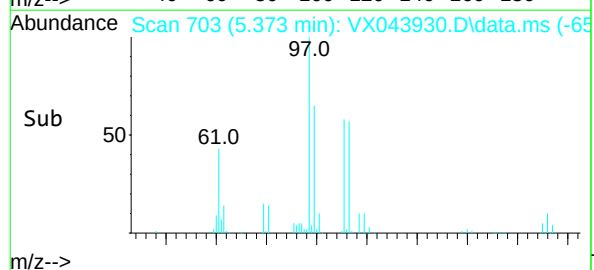
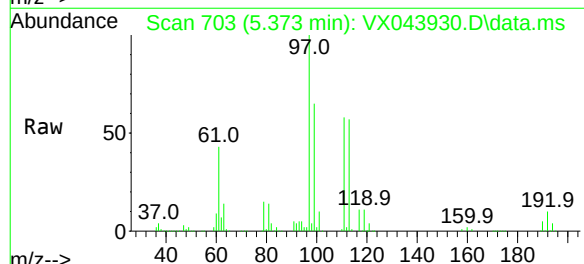
Tgt Ion: 97 Resp: 455922

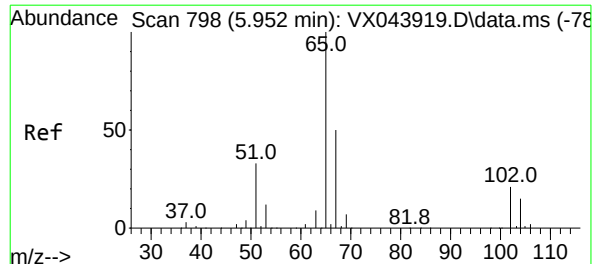
Ion Ratio Lower Upper

97 100

99 64.7 51.2 76.8

61 43.5 32.9 49.3





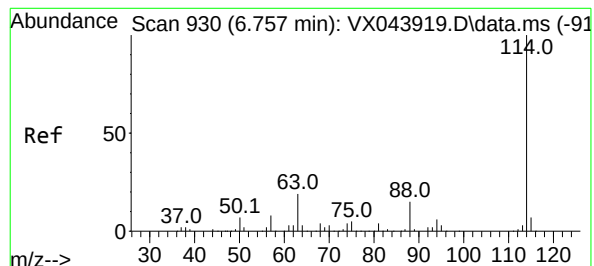
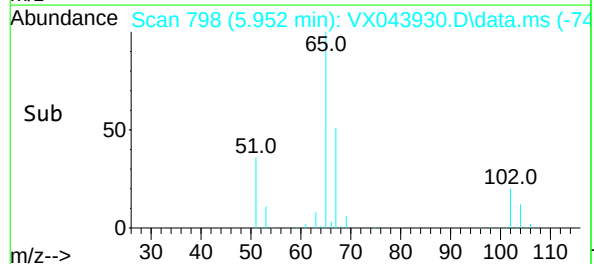
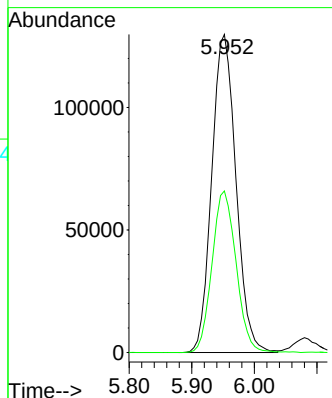
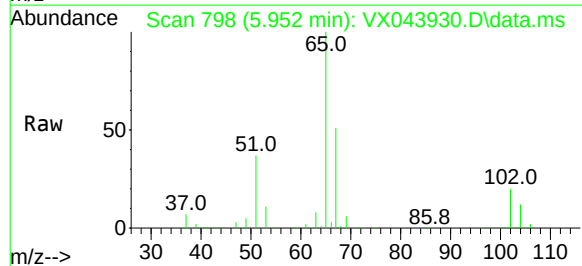
#33  
1,2-Dichloroethane-d4  
Concen: 171.797 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Tgt Ion: 65 Resp: 349080  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 103.2

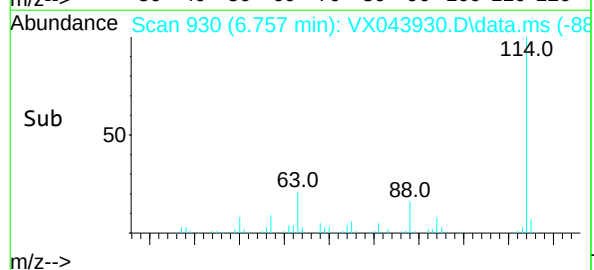
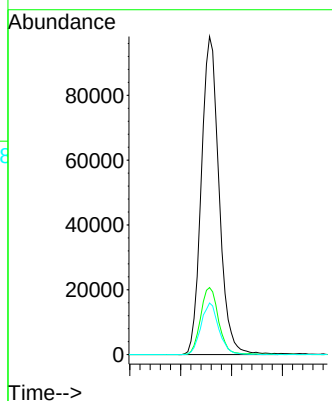
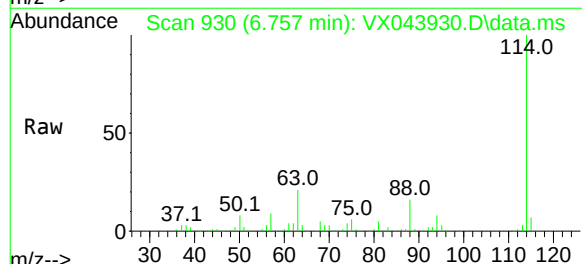
Manual Integrations  
APPROVED

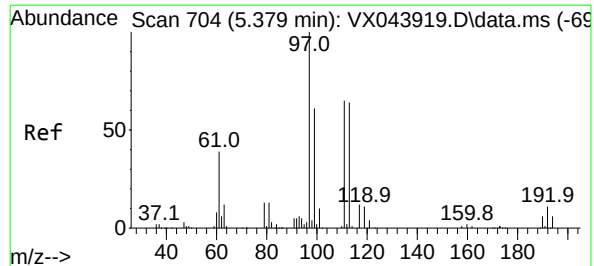
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion:114 Resp: 237642  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 39.0  
88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 168.036 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:113 Resp: 268135

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.6

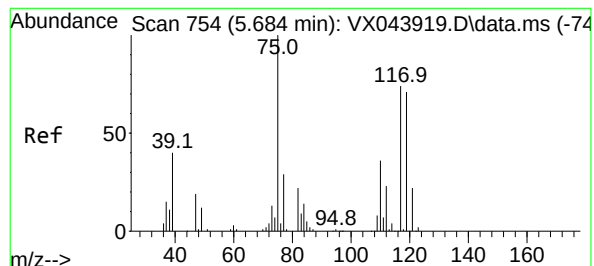
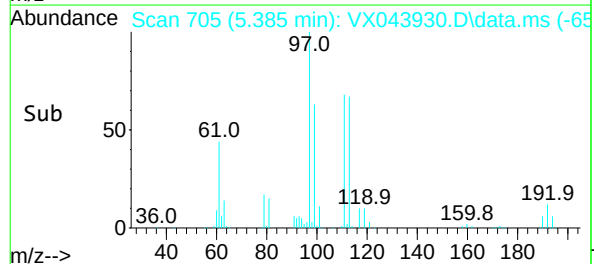
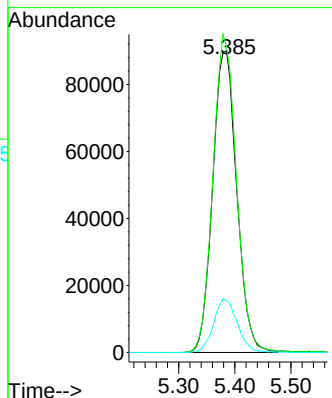
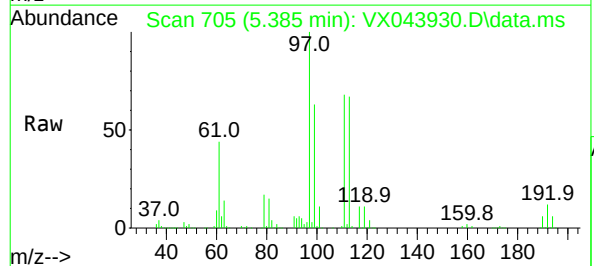
192 17.6 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 166.559 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

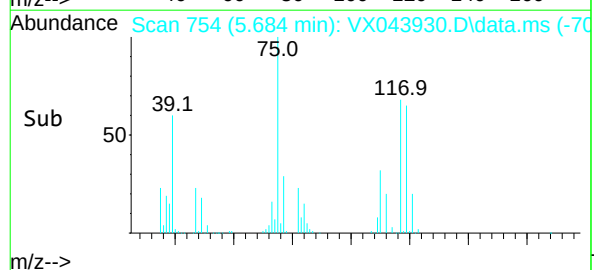
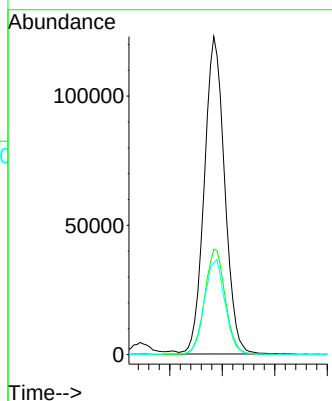
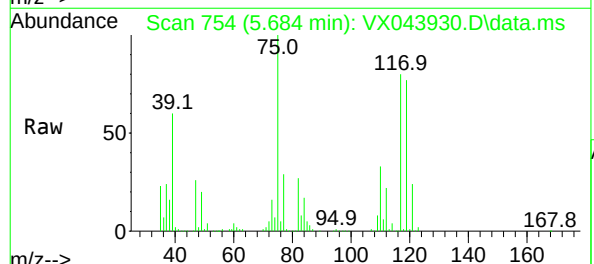
Tgt Ion: 75 Resp: 331239

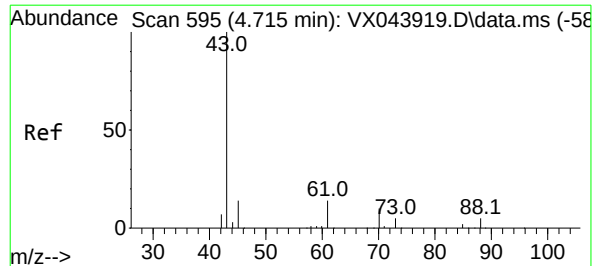
Ion Ratio Lower Upper

75 100

110 33.6 17.5 52.5

77 30.3 24.9 37.3





#37

Ethyl Acetate

Concen: 175.887 ug/l

RT: 4.721 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

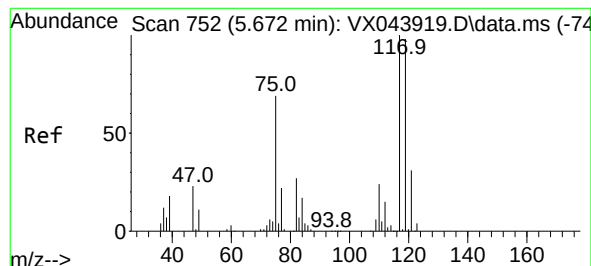
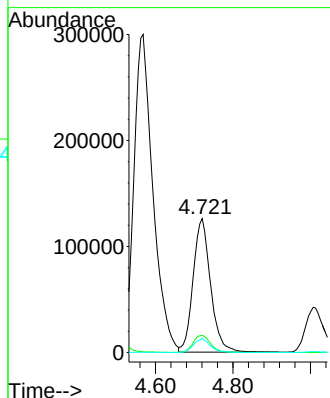
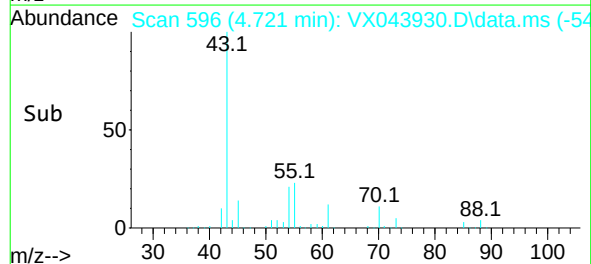
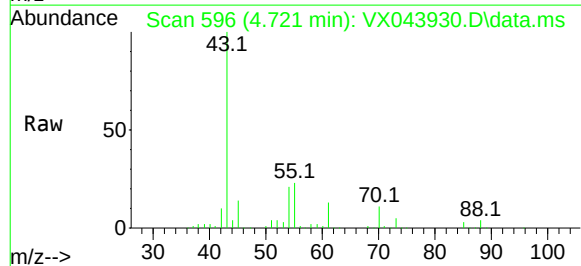
ClientSampleId :

VSTDICC150

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 393670 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 61       | 13.0  | 11.5  | 17.3   |
| 70       | 9.9   | 8.7   | 13.1   |

Manual Integrations  
APPROVED

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



#38

Carbon Tetrachloride

Concen: 178.719 ug/l

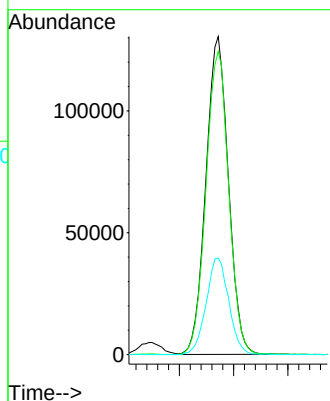
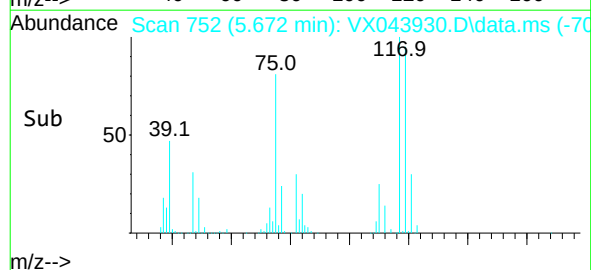
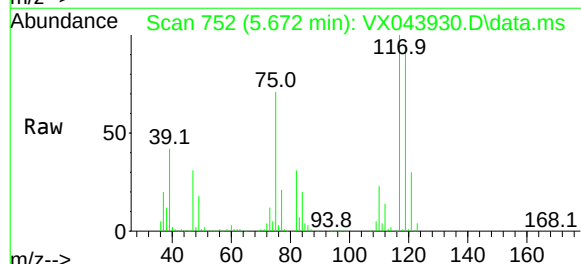
RT: 5.672 min Scan# 752

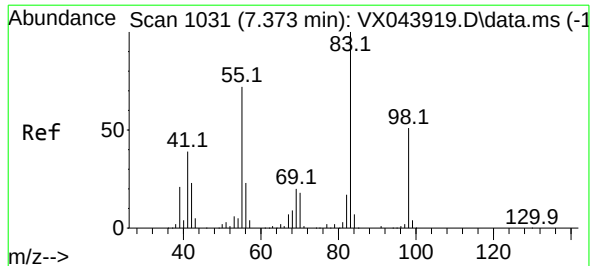
Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 376287 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 95.3  | 78.3  | 117.5  |
| 121      | 30.4  | 25.1  | 37.7   |





#39

Methylcyclohexane

Concen: 164.816 ug/l

RT: 7.372 min Scan# 10

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 410333

Ion Ratio Lower Upper

83 100

55 76.4 57.9 86.9

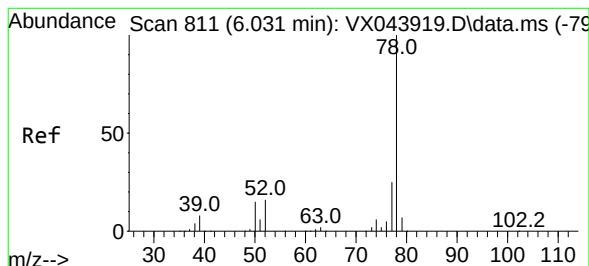
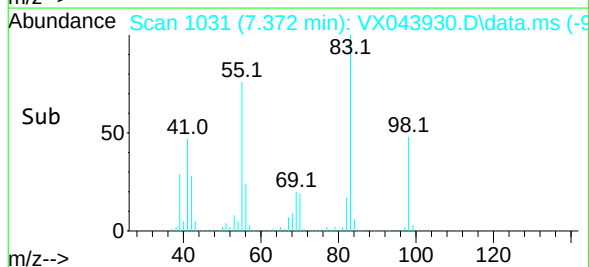
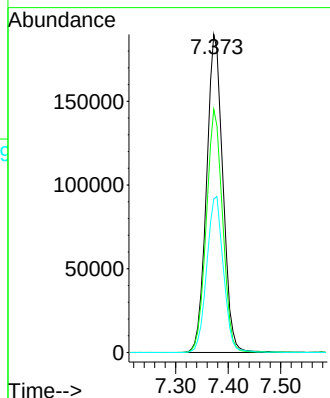
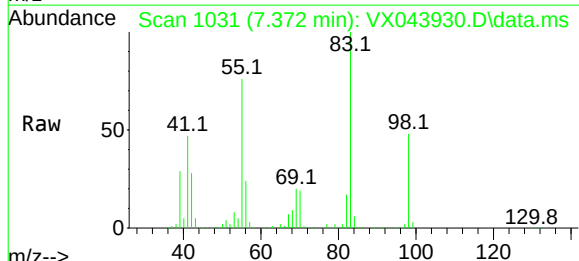
98 48.3 40.5 60.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 159.808 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX043930.D

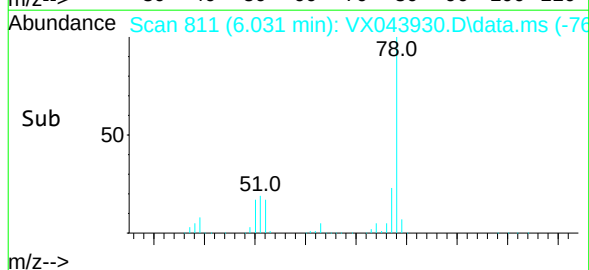
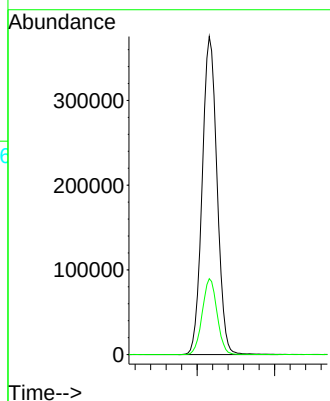
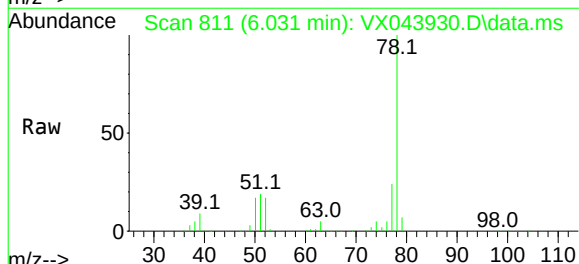
Acq: 21 Nov 2024 12:03

Tgt Ion: 78 Resp: 999210

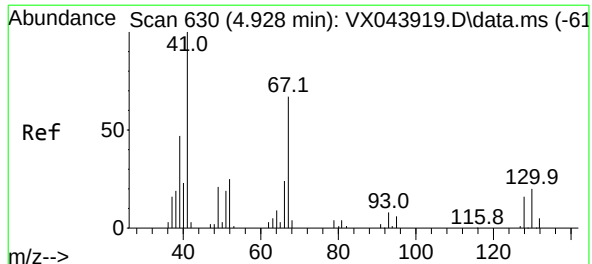
Ion Ratio Lower Upper

78 100

77 23.9 19.8 29.8







#41

Methacrylonitrile

Concen: 176.637 ug/l

RT: 4.922 min Scan# 62

Delta R.T. -0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 41 Resp: 206026

Ion Ratio Lower Upper

41 100

39 57.7 41.2 61.8

67 73.5 60.3 90.5

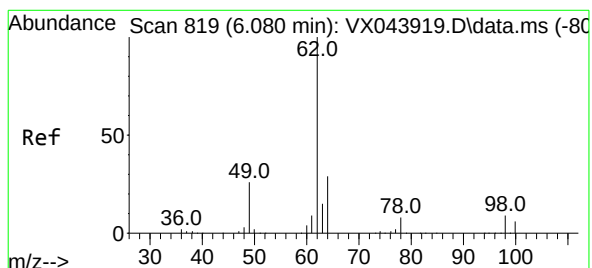
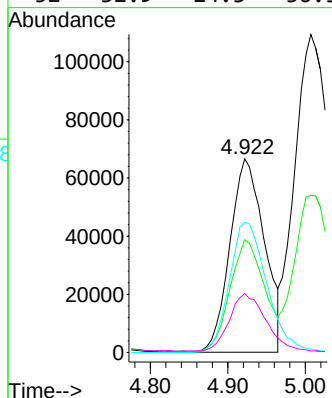
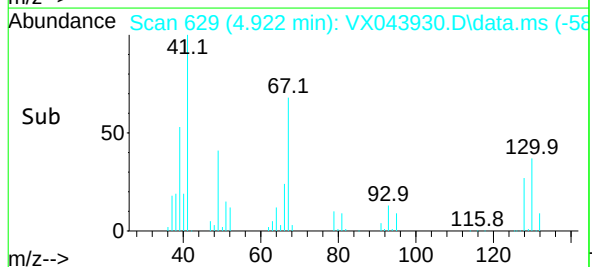
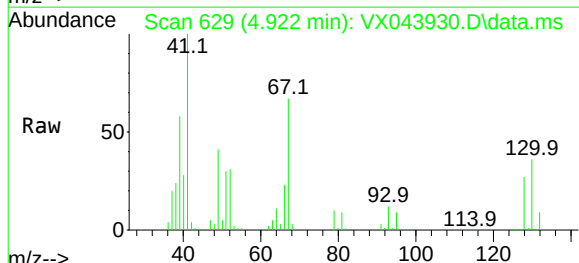
52 32.9 24.3 36.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 175.089 ug/l

RT: 6.080 min Scan# 819

Delta R.T. -0.000 min

Lab File: VX043930.D

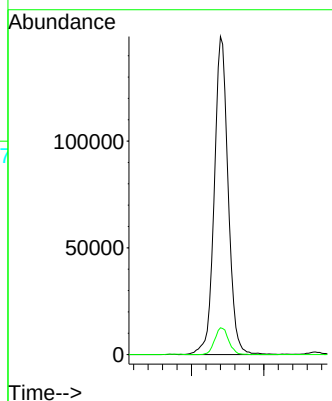
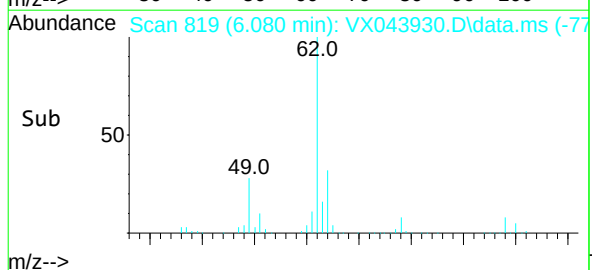
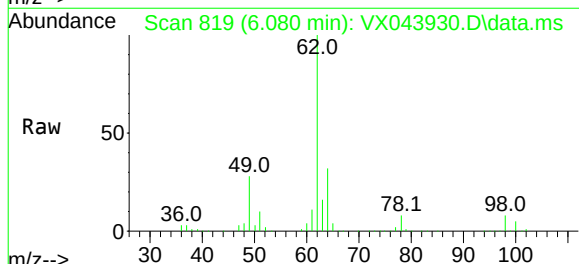
Acq: 21 Nov 2024 12:03

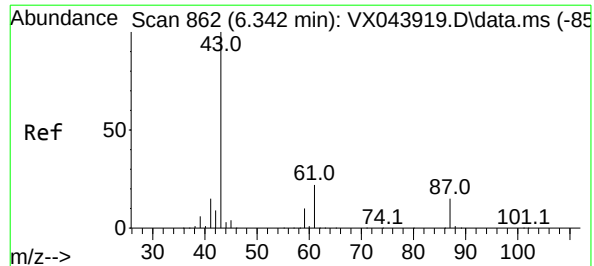
Tgt Ion: 62 Resp: 397508

Ion Ratio Lower Upper

62 100

98 8.5 0.0 18.6





#43

Isopropyl Acetate

Concen: 187.445 ug/l

RT: 6.342 min Scan# 862

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 661839

Ion Ratio Lower Upper

43 100

61 18.4 16.9 25.3

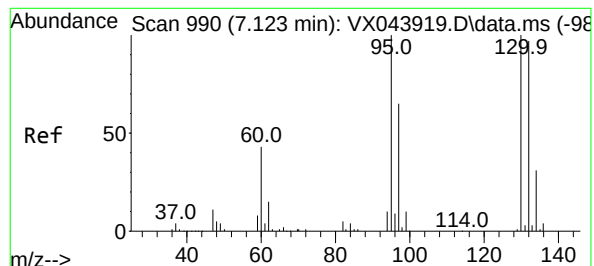
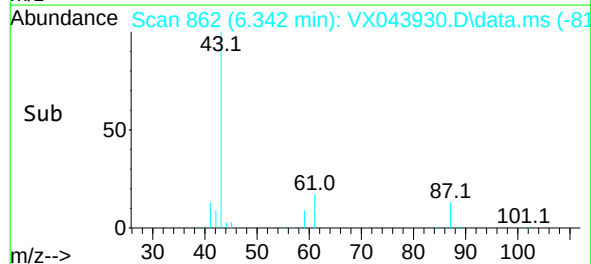
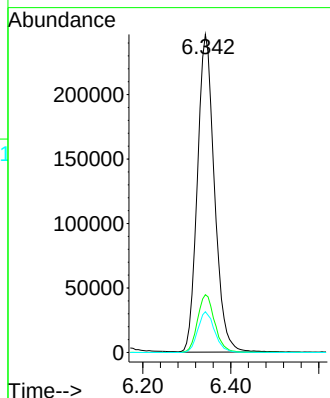
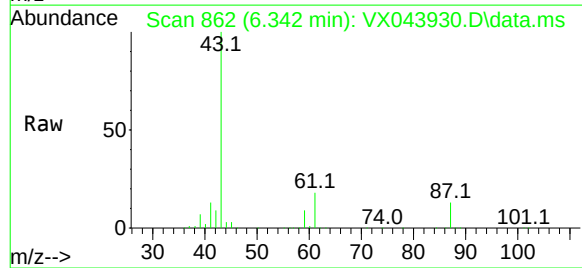
87 12.7 11.9 17.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 145.657 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.000 min

Lab File: VX043930.D

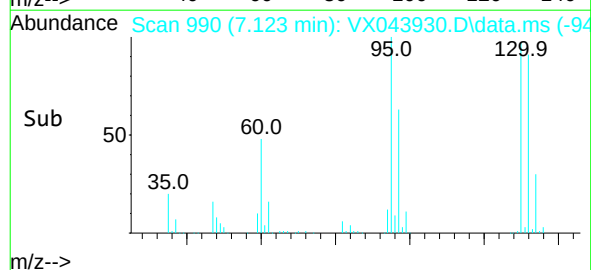
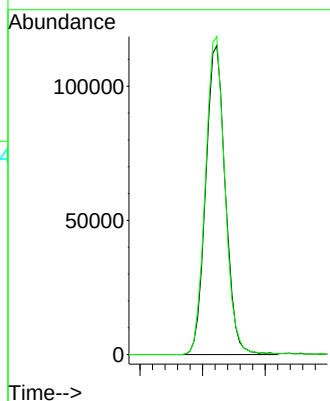
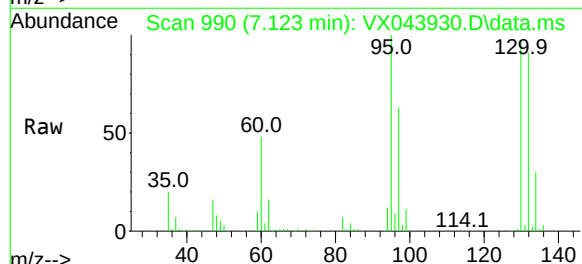
Acq: 21 Nov 2024 12:03

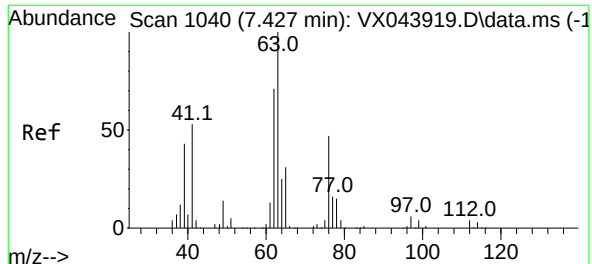
Tgt Ion:130 Resp: 251071

Ion Ratio Lower Upper

130 100

95 103.0 0.0 200.8





#45

1,2-Dichloropropane

Concen: 162.744 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion: 63 Resp: 249394

Ion Ratio Lower Upper

63 100

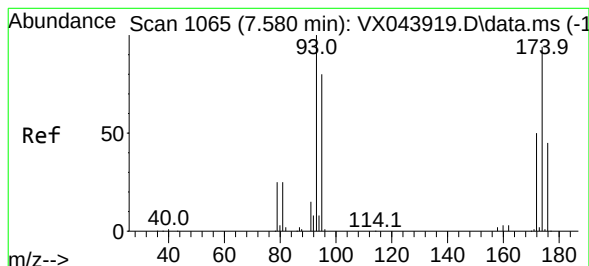
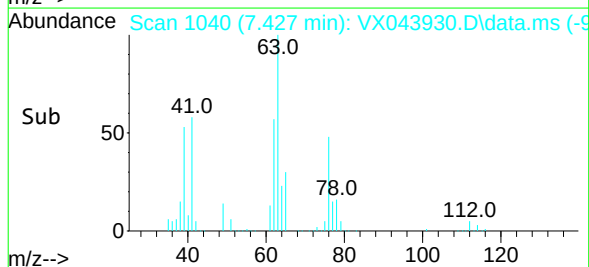
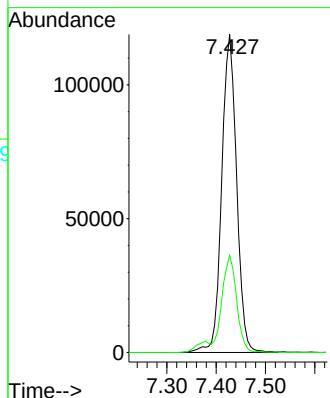
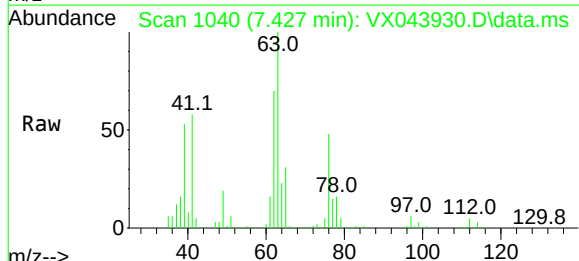
65 30.5 24.5 36.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 175.212 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

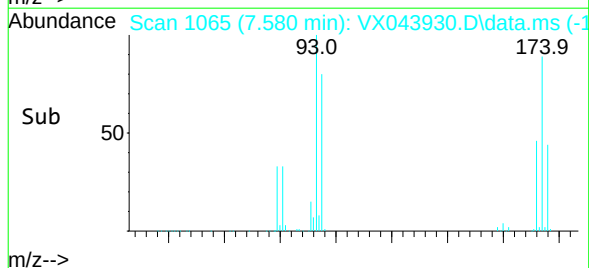
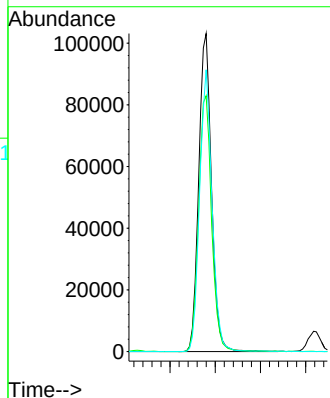
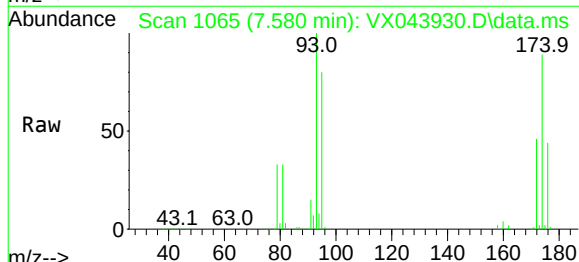
Tgt Ion: 93 Resp: 202329

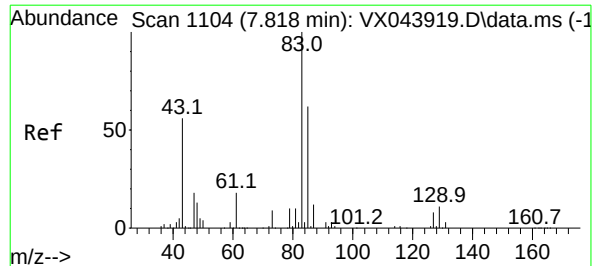
Ion Ratio Lower Upper

93 100

95 81.9 66.1 99.1

174 86.4 75.2 112.8





#47

Bromodichloromethane

Concen: 191.362 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 388259

Ion Ratio Lower Upper

83 100

85 64.6 49.4 74.0

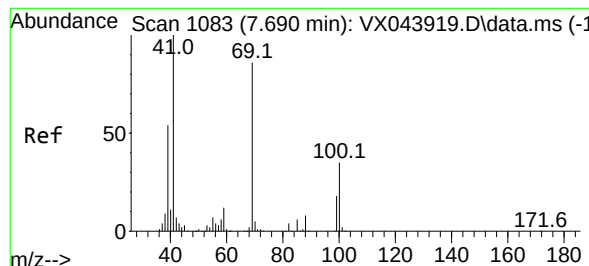
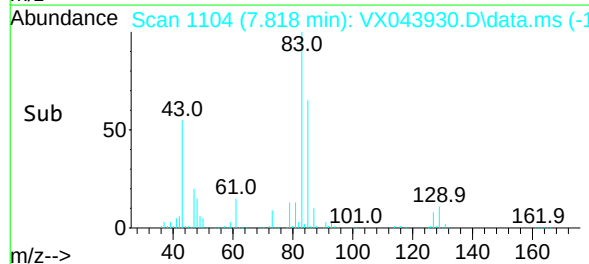
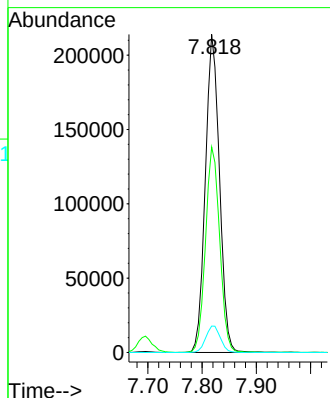
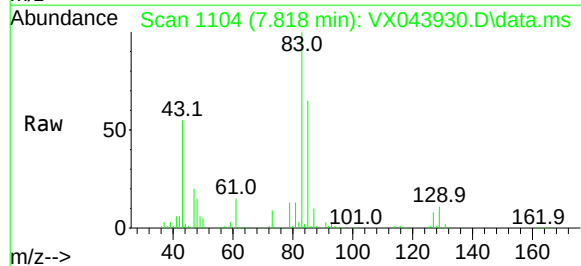
127 8.3 6.2 9.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 180.493 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

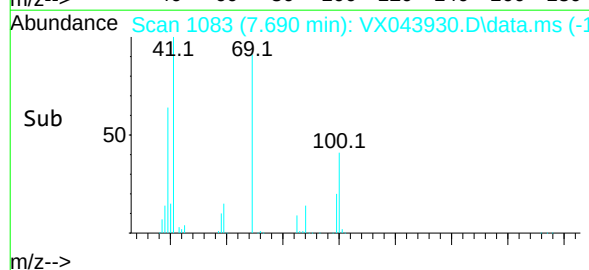
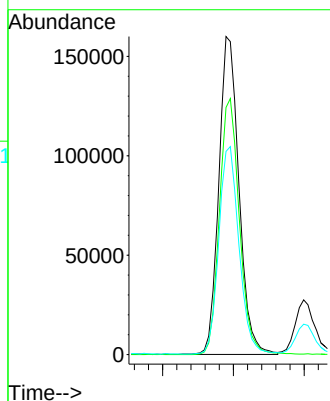
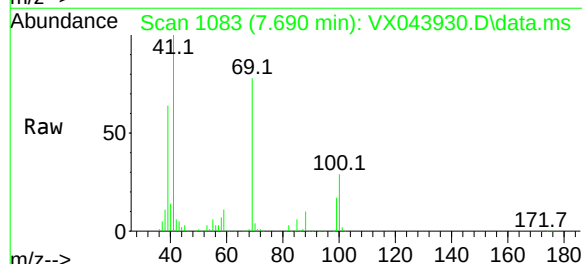
Tgt Ion: 41 Resp: 315872

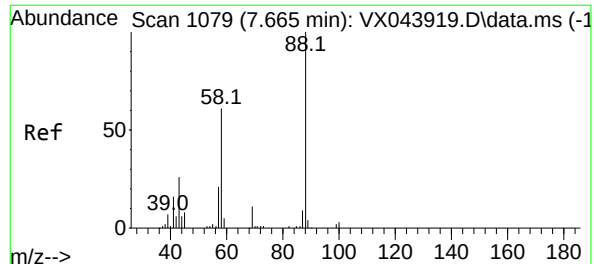
Ion Ratio Lower Upper

41 100

69 80.1 72.1 108.1

39 65.4 43.8 65.8





#49

1,4-Dioxane

Concen: 2860.706 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 88 Resp: 106634

Ion Ratio Lower Upper

88 100

43 35.6 17.4 26.0

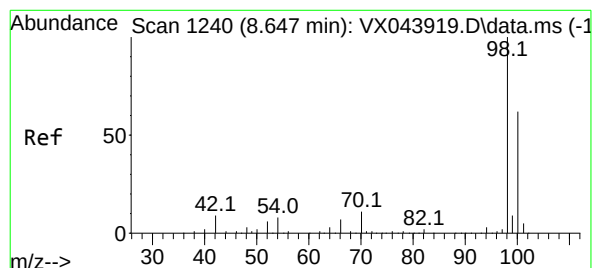
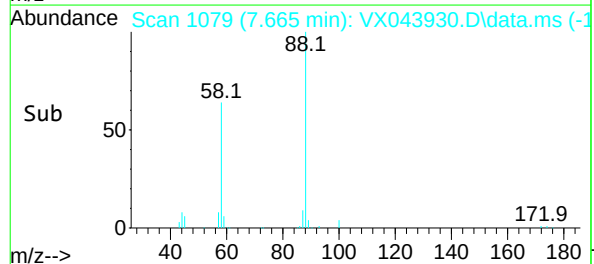
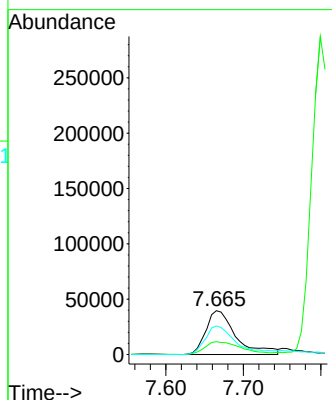
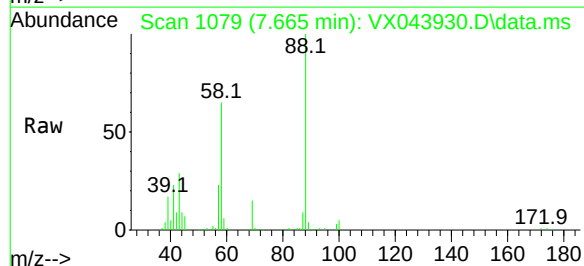
58 66.2 41.0 61.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 168.154 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX043930.D

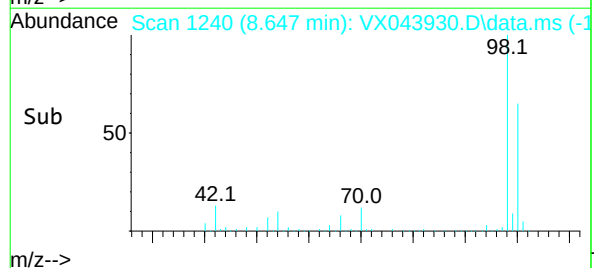
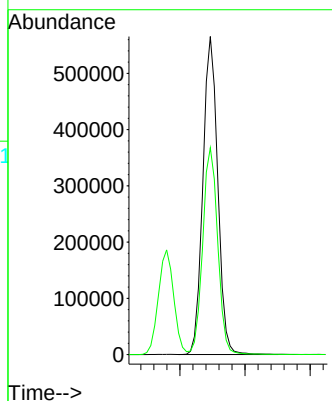
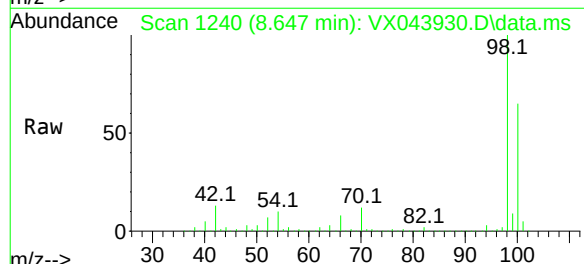
Acq: 21 Nov 2024 12:03

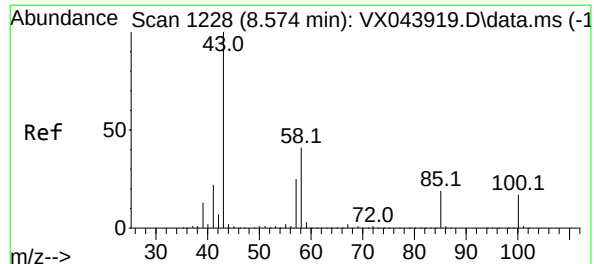
Tgt Ion: 98 Resp: 896413

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 887.971 ug/l

RT: 8.580 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX043930.D

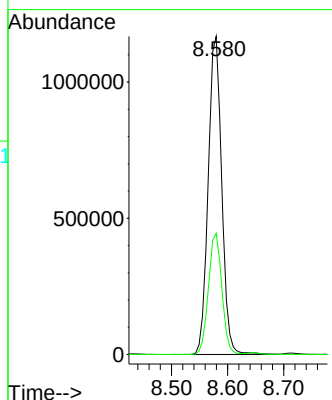
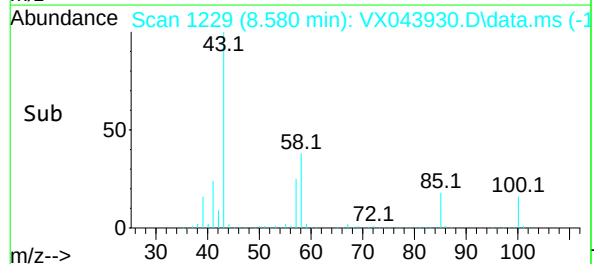
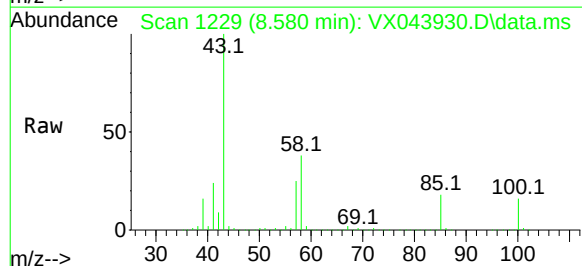
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1954925

Ion Ratio Lower Upper

43 100

58 37.8 32.4 48.6



Instrument :

MSVOA\_X

ClientSampleId :

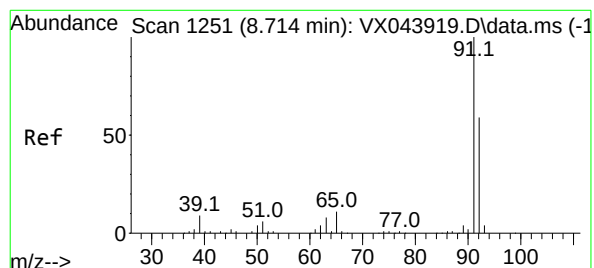
VSTDICC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 168.323 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043930.D

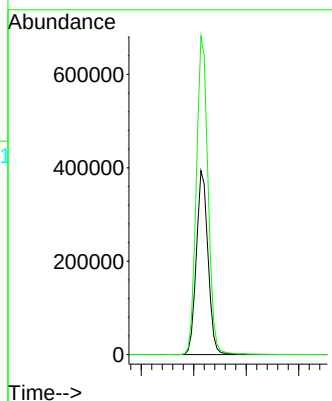
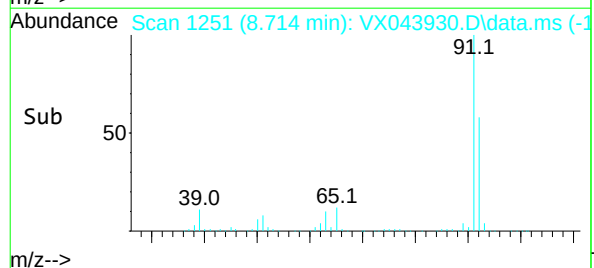
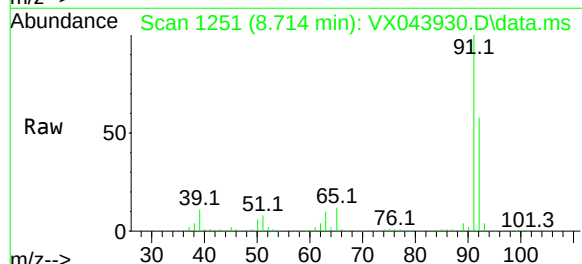
Acq: 21 Nov 2024 12:03

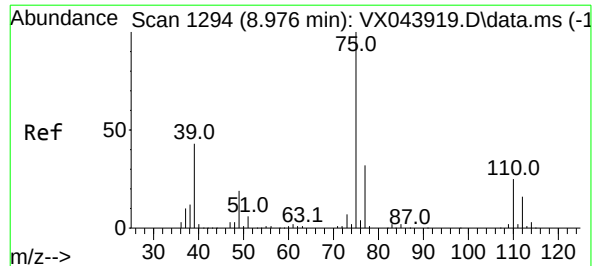
Tgt Ion: 92 Resp: 607179

Ion Ratio Lower Upper

92 100

91 173.9 136.2 204.4





#53

t-1,3-Dichloropropene

Concen: 197.387 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 406346

Ion Ratio Lower Upper

75 100

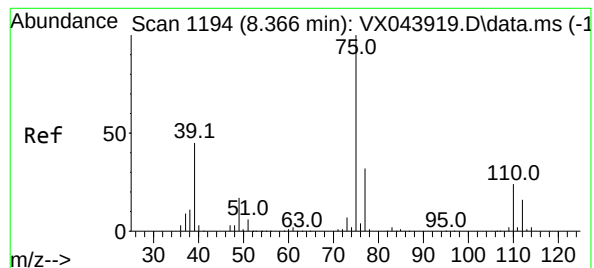
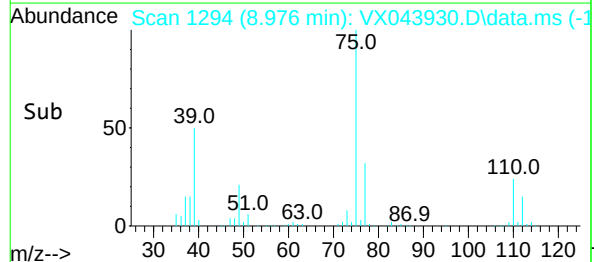
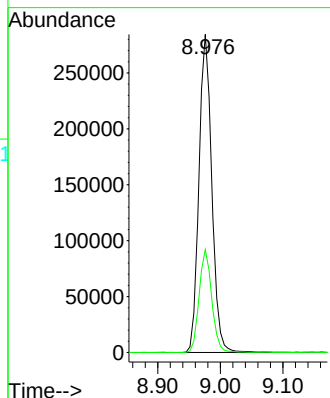
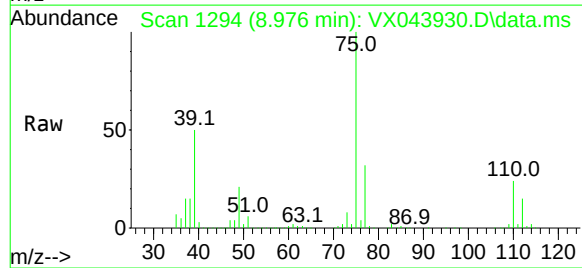
77 32.4 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 183.704 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

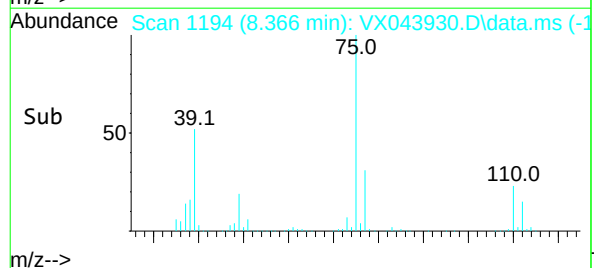
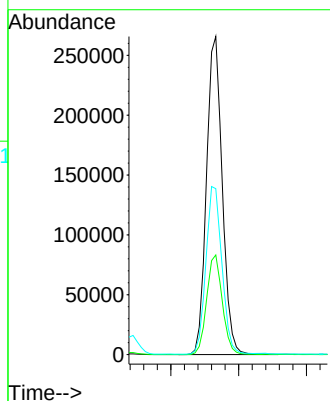
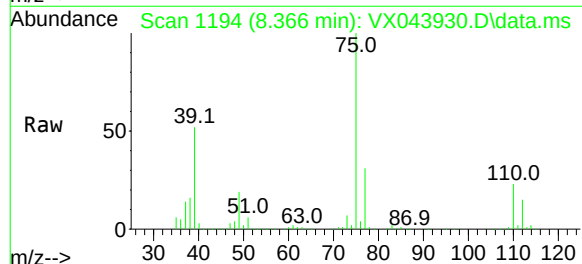
Tgt Ion: 75 Resp: 428549

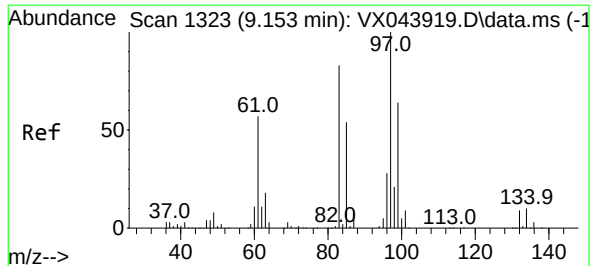
Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2

39 52.0 36.1 54.1





#55

1,1,2-Trichloroethane

Concen: 174.579 ug/l

RT: 9.153 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 97 Resp: 245706

Ion Ratio Lower Upper

97 100

83 83.3 66.5 99.7

85 54.7 43.4 65.2

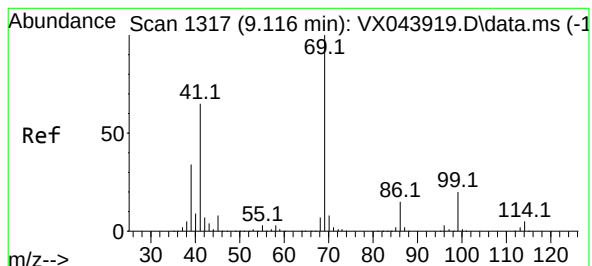
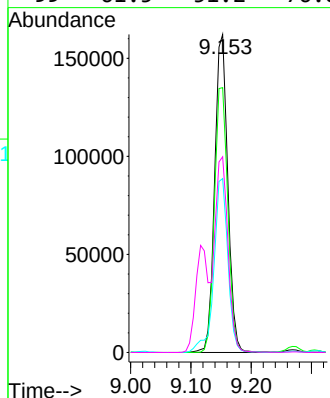
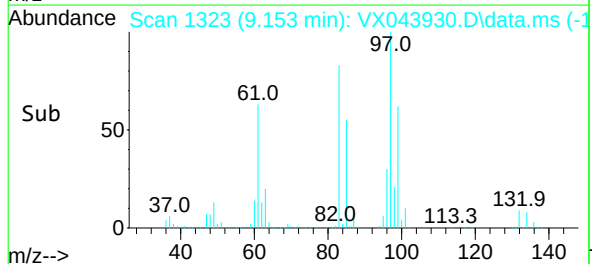
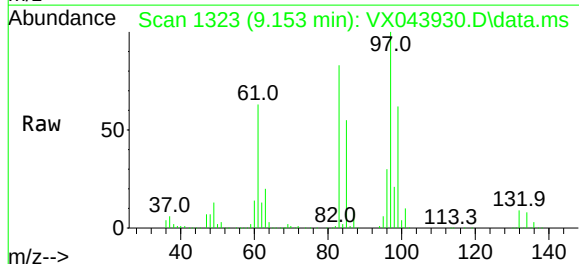
99 61.5 51.2 76.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 188.658 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

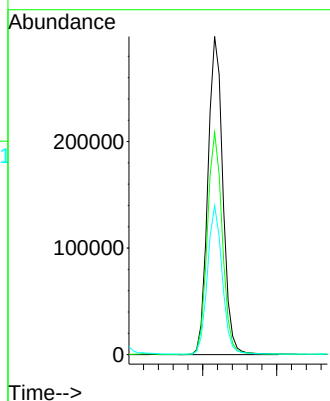
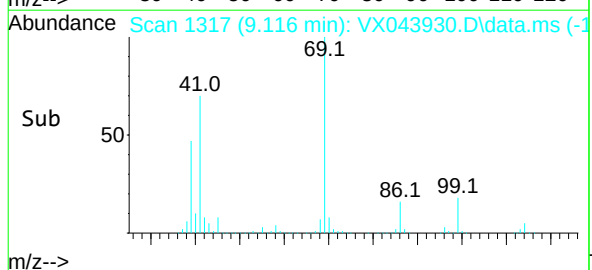
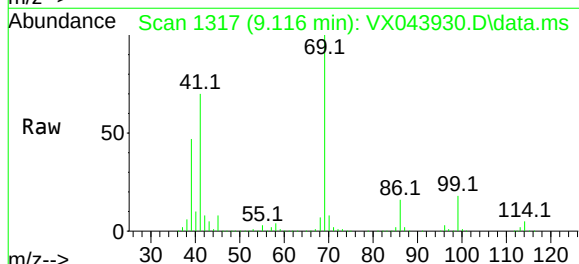
Tgt Ion: 69 Resp: 420409

Ion Ratio Lower Upper

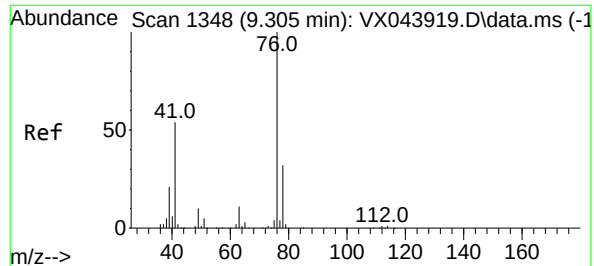
69 100

41 69.6 51.7 77.5

39 45.9 26.8 40.2#







#57

1,3-Dichloropropane

Concen: 176.770 ug/l

RT: 9.305 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 416811

Ion Ratio Lower Upper

76 100

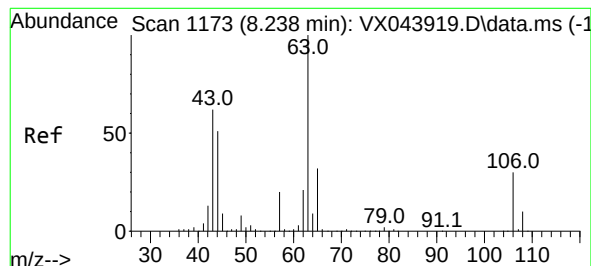
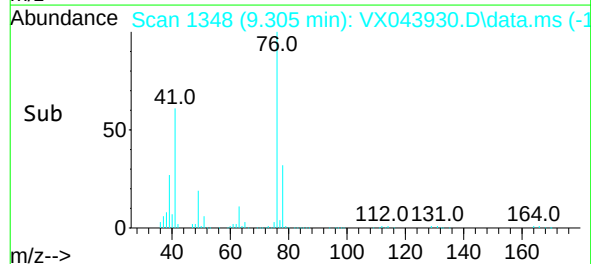
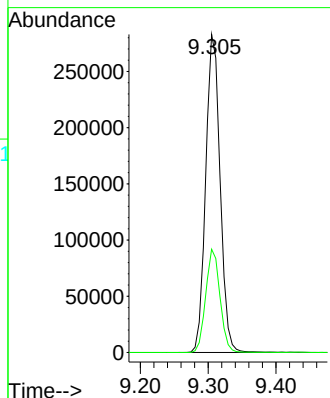
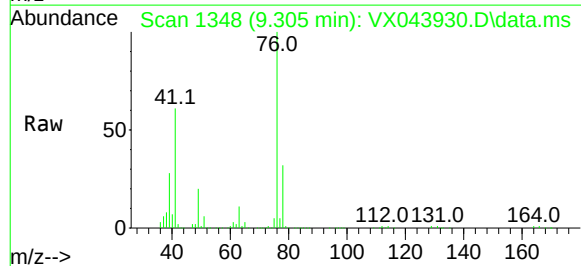
78 32.2 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 875.887 ug/l

RT: 8.244 min Scan# 1174

Delta R.T. 0.006 min

Lab File: VX043930.D

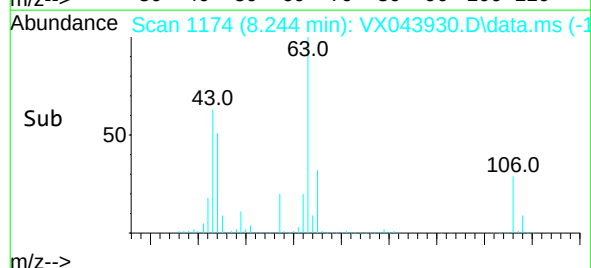
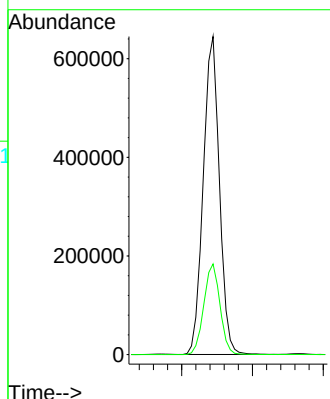
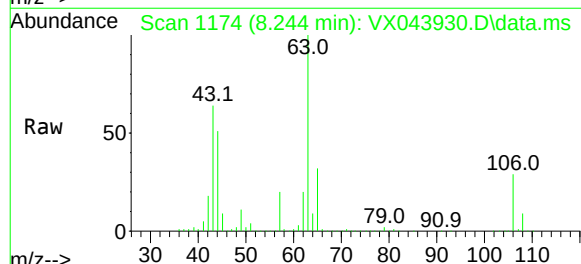
Acq: 21 Nov 2024 12:03

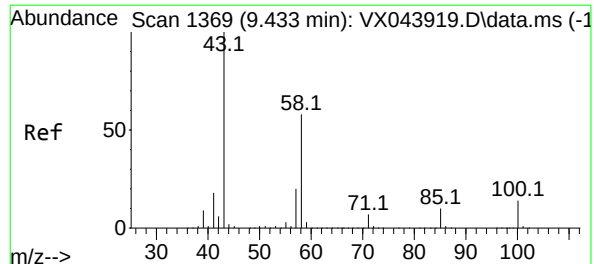
Tgt Ion: 63 Resp: 1023576

Ion Ratio Lower Upper

63 100

106 28.5 23.8 35.6





#59

2-Hexanone

Concen: 961.650 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 1493755

Ion Ratio Lower Upper

43 100

58 52.1 28.3 84.9

Instrument :

MSVOA\_X

ClientSampleId :

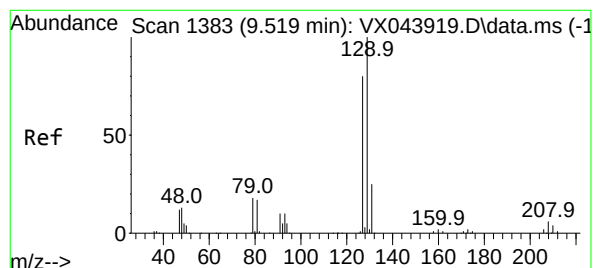
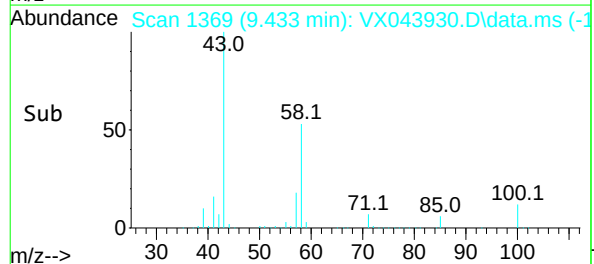
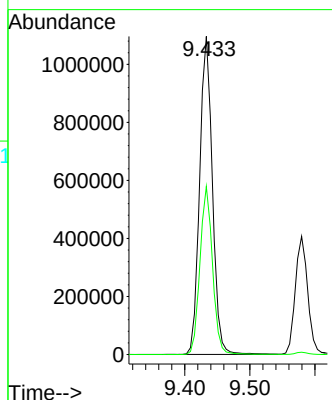
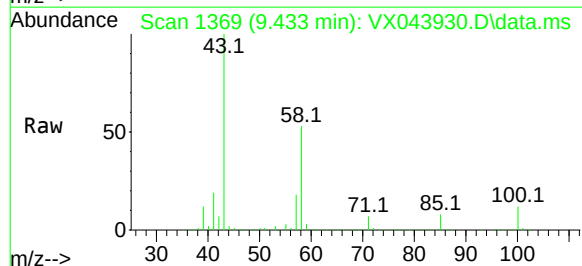
VSTDICC150

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 208.679 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043930.D

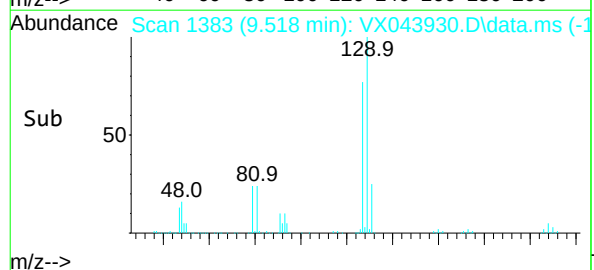
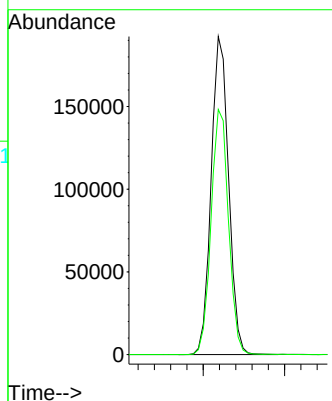
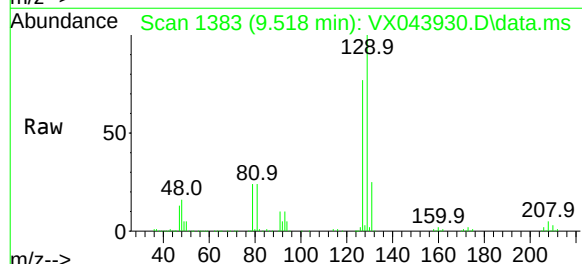
Acq: 21 Nov 2024 12:03

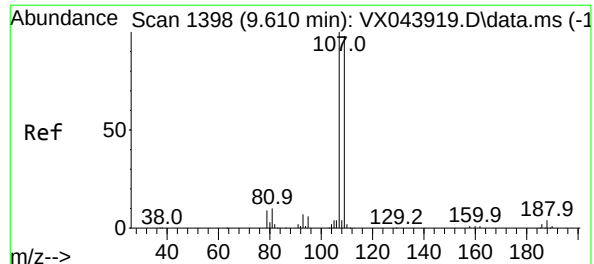
Tgt Ion:129 Resp: 286188

Ion Ratio Lower Upper

129 100

127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 178.035 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:107 Resp: 261369

Ion Ratio Lower Upper

107 100

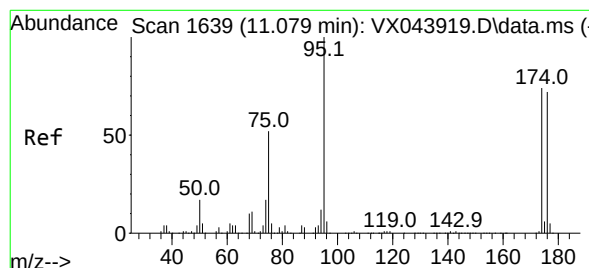
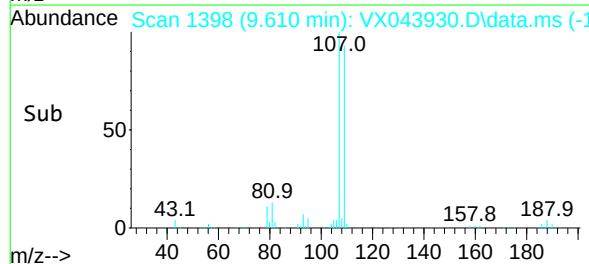
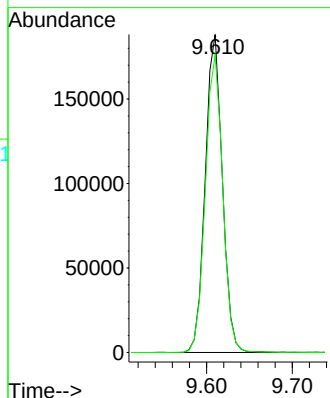
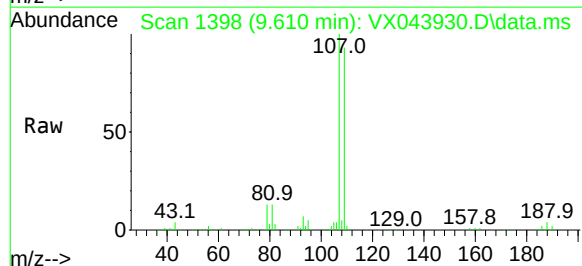
109 95.1 76.2 114.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 184.279 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

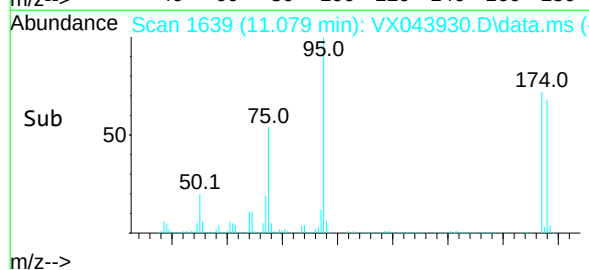
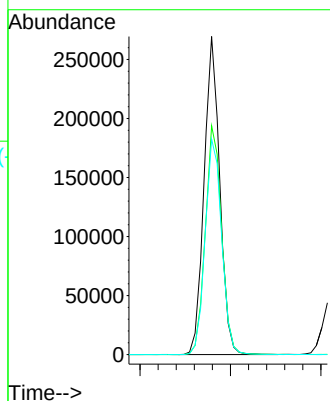
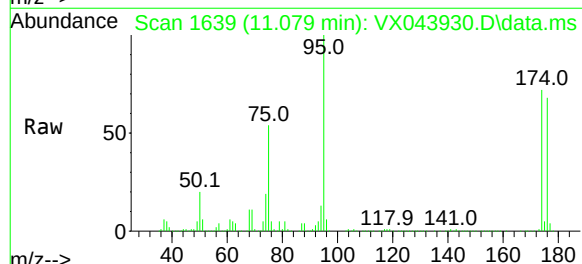
Tgt Ion: 95 Resp: 324612

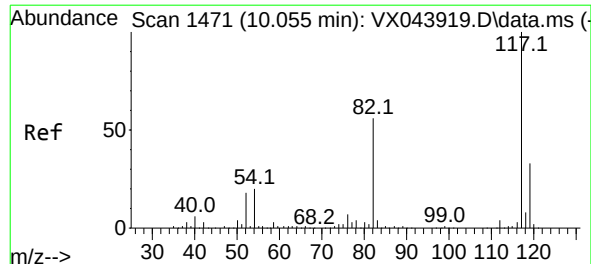
Ion Ratio Lower Upper

95 100

174 74.6 0.0 152.2

176 71.4 0.0 145.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:117 Resp: 203280

Ion Ratio Lower Upper

117 100

82 56.6 44.6 67.0

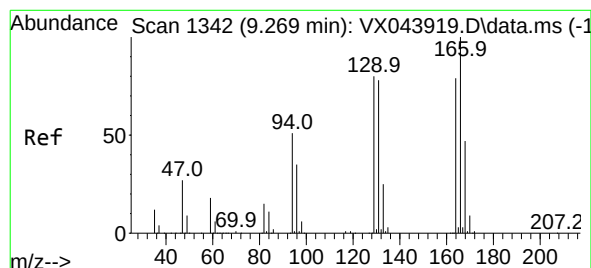
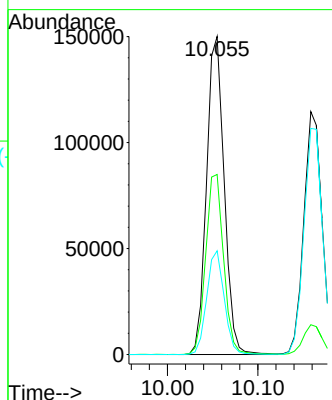
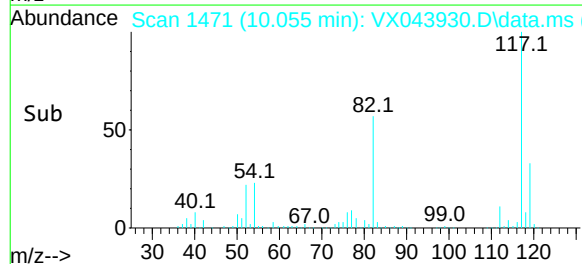
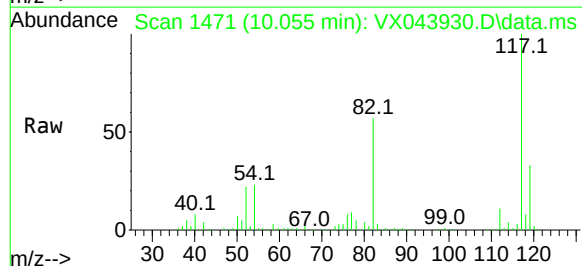
119 32.6 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 155.122 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

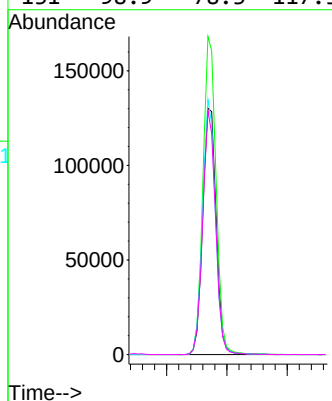
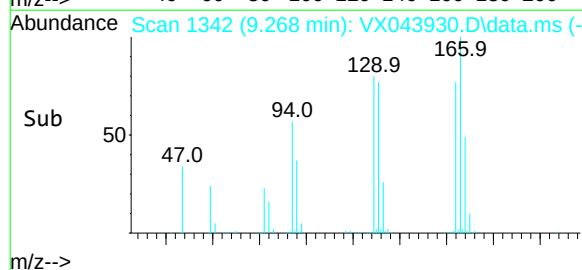
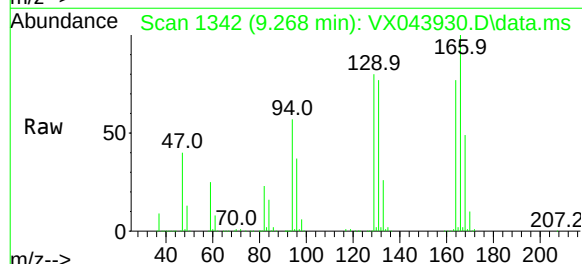
Ion Ratio Lower Upper

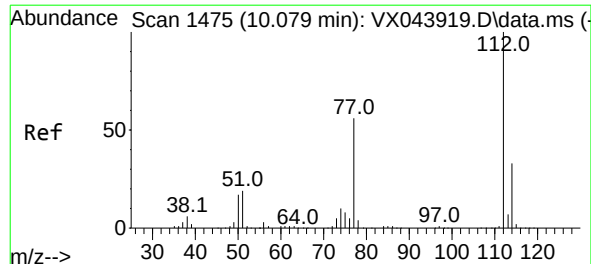
164 100

166 129.1 100.9 151.3

129 103.4 80.3 120.5

131 98.9 78.3 117.5





#65

Chlorobenzene

Concen: 159.085 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 675513

Ion Ratio Lower Upper

112 100

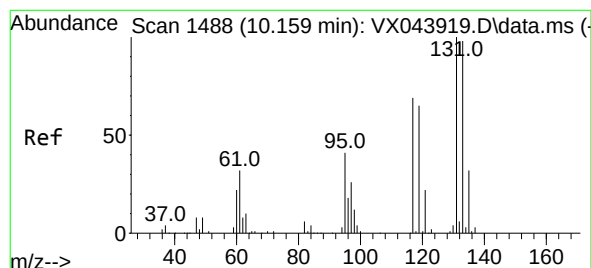
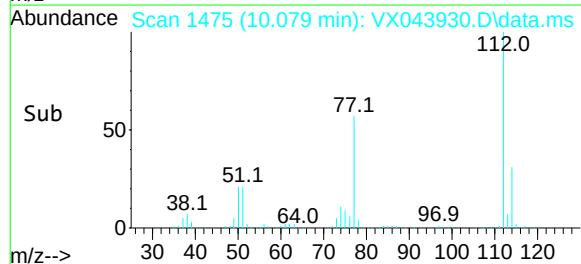
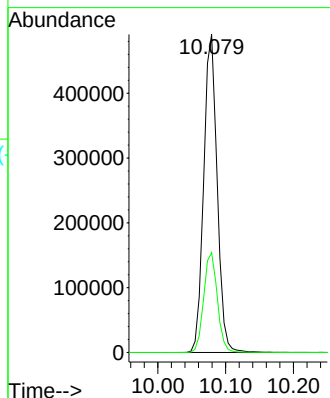
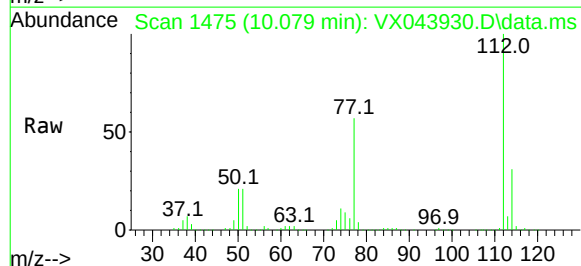
114 31.4 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 170.964 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

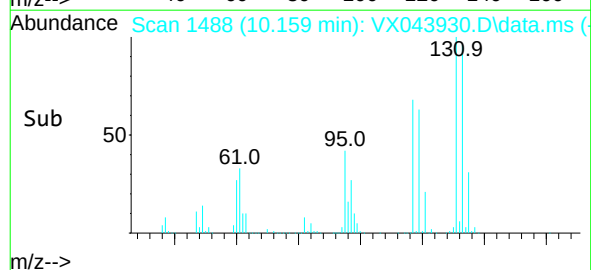
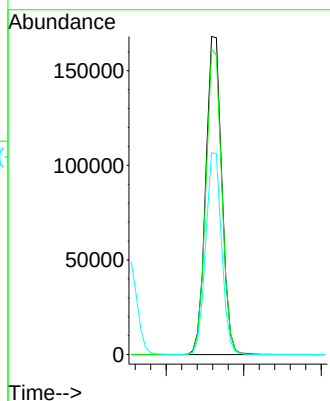
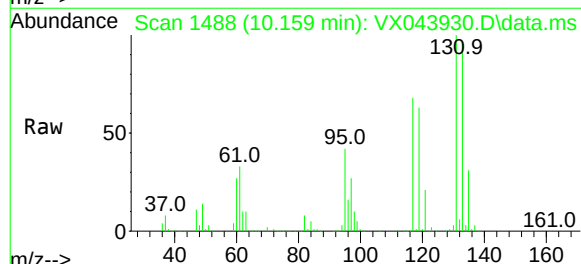
Tgt Ion:131 Resp: 241604

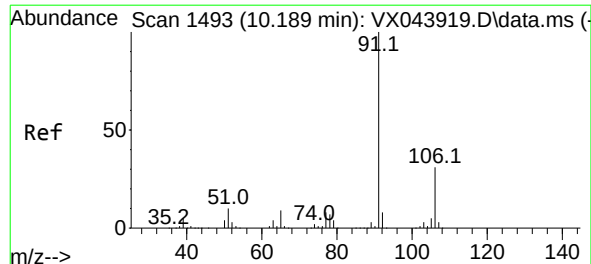
Ion Ratio Lower Upper

131 100

133 95.2 48.8 146.3

119 63.3 32.9 98.7





#67

Ethyl Benzene

Concen: 165.365 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1181693

Ion Ratio Lower Upper

91 100

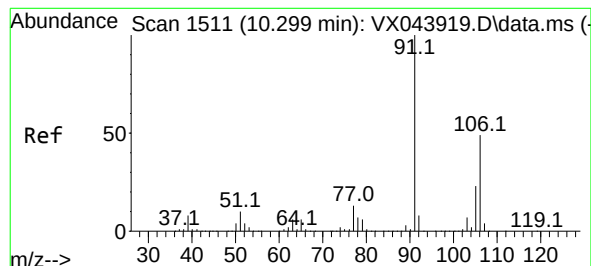
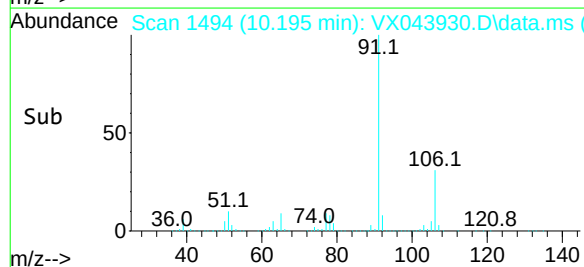
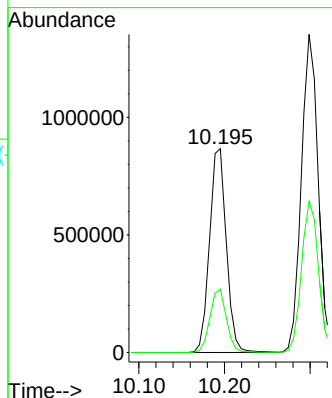
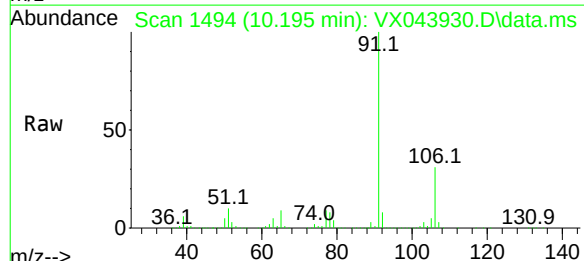
106 31.1 25.0 37.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 332.148 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043930.D

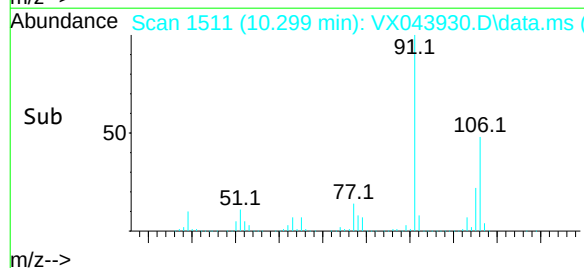
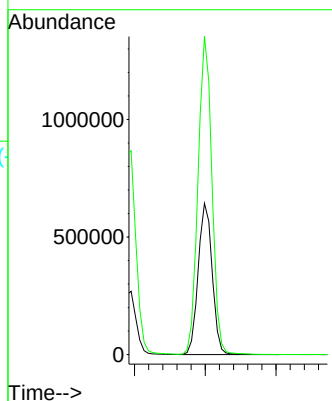
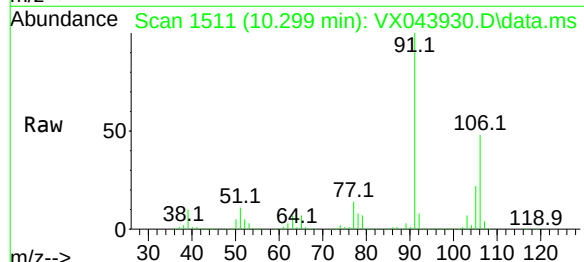
Acq: 21 Nov 2024 12:03

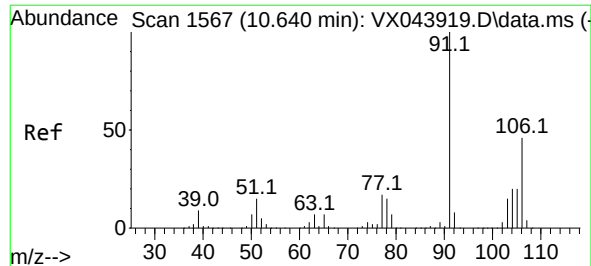
Tgt Ion:106 Resp: 884067

Ion Ratio Lower Upper

106 100

91 208.6 163.3 244.9





#69

o-Xylene

Concen: 168.240 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:106 Resp: 436919

Ion Ratio Lower Upper

106 100

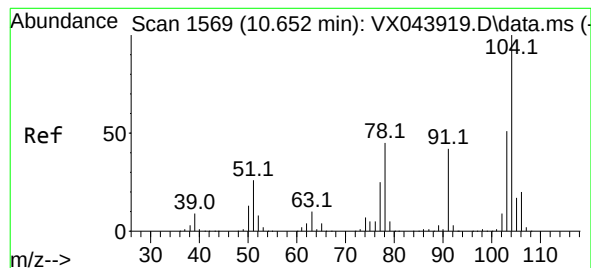
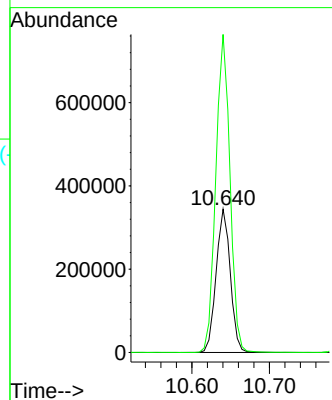
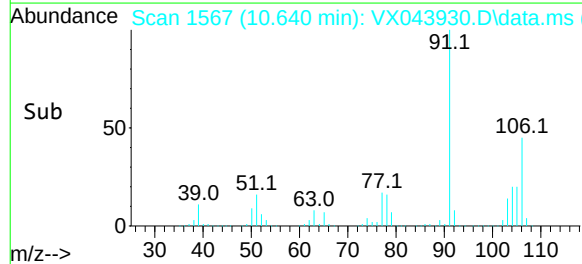
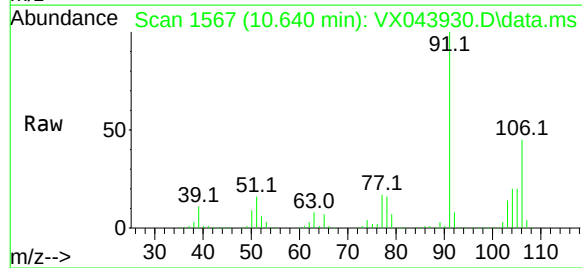
91 222.3 109.6 328.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 173.379 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

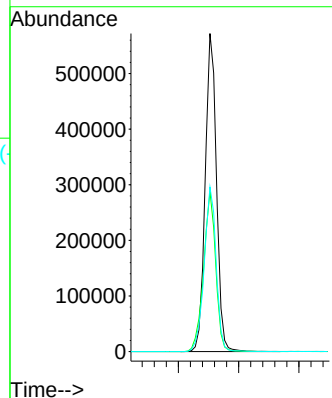
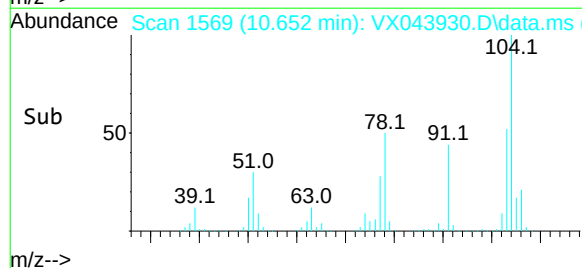
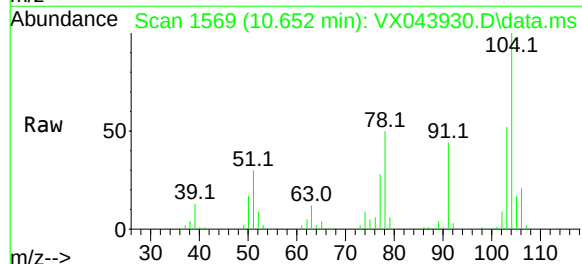
Tgt Ion:104 Resp: 742061

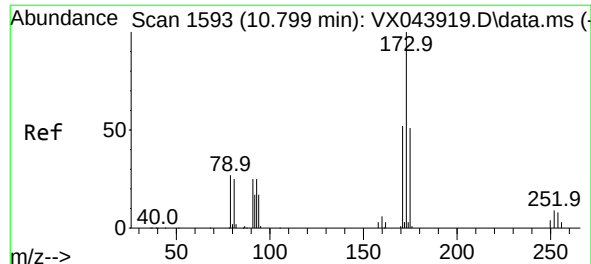
Ion Ratio Lower Upper

104 100

78 54.2 40.3 60.5

103 55.2 43.9 65.9





#71

Bromoform

Concen: 161.632 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

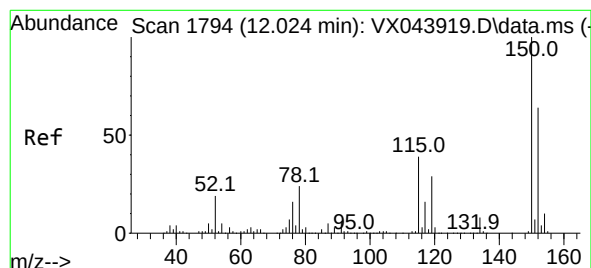
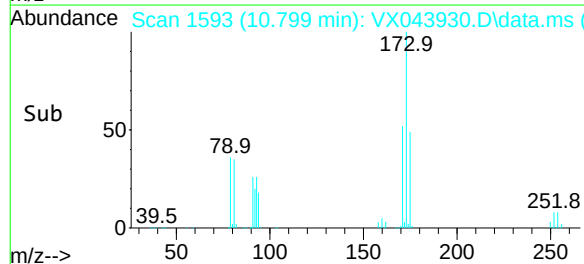
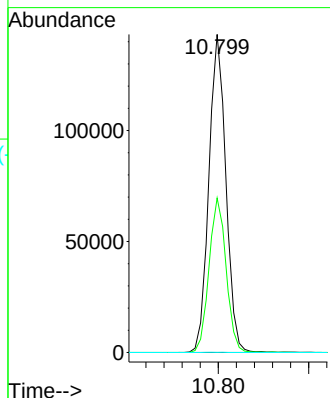
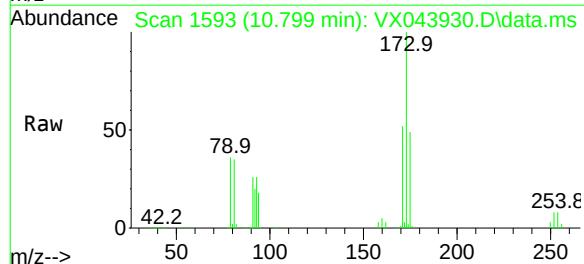
|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 173   | Resp: | 186691 |
| Ion Ratio | Lower | Upper |        |
| 173       | 100   |       |        |
| 175       | 48.9  | 24.6  | 73.8   |
| 254       | 0.1   | 0.1   | 0.1#   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

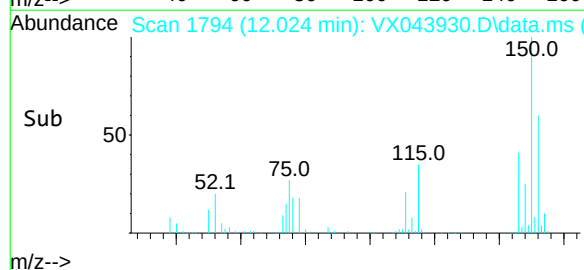
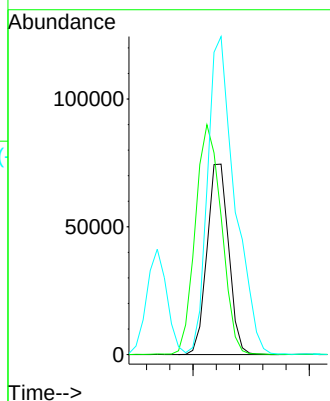
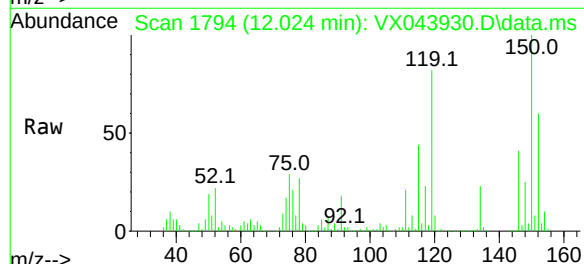
RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

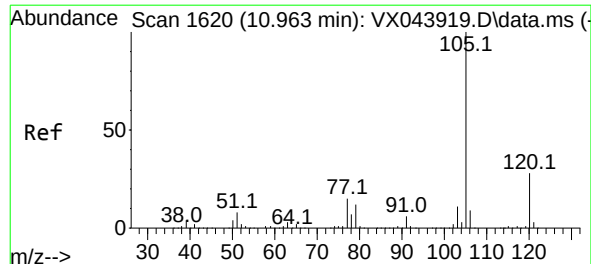
Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 152   | Resp: | 96376  |
| Ion Ratio | Lower | Upper |        |
| 152       | 100   |       |        |
| 115       | 145.9 | 42.1  | 126.3# |
| 150       | 210.2 | 0.0   | 348.2  |







#73

Isopropylbenzene

Concen: 165.031 ug/l

RT: 10.963 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 1135309

Ion Ratio Lower Upper

105 100

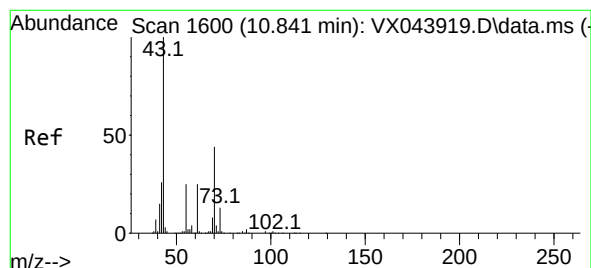
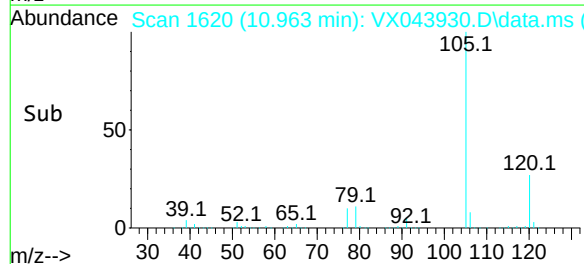
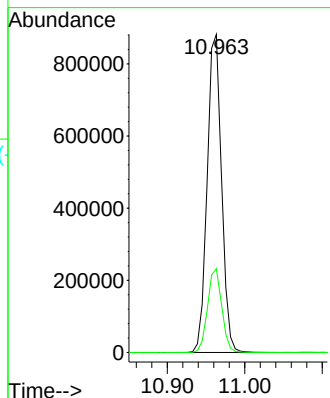
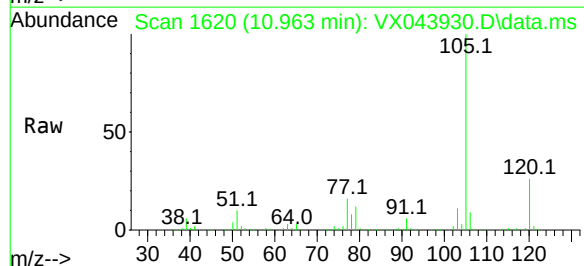
120 26.0 13.3 39.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#74

N-ethyl acetate

Concen: 159.995 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

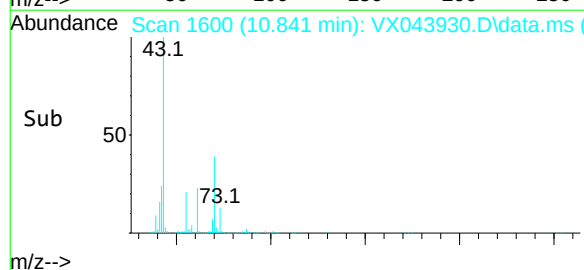
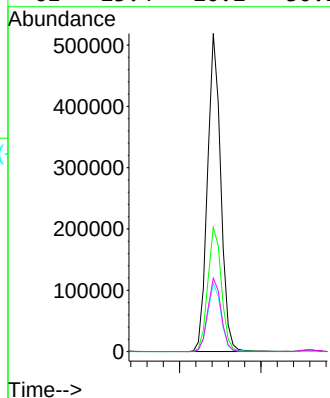
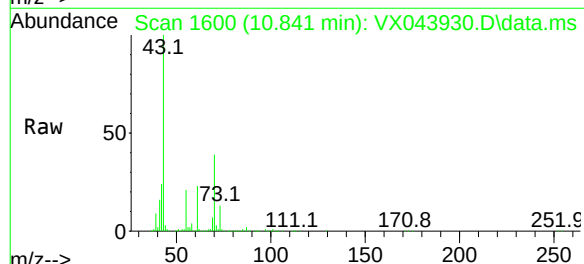
Ion Ratio Lower Upper

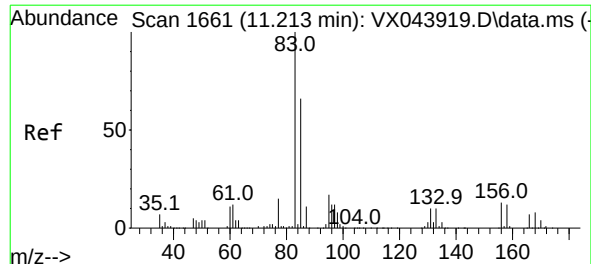
43 100

70 40.1 36.5 54.7

55 21.7 19.6 29.4

61 23.4 20.2 30.2





#75

1,1,2,2-Tetrachloroethane

Concen: 163.351 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 379947

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.3

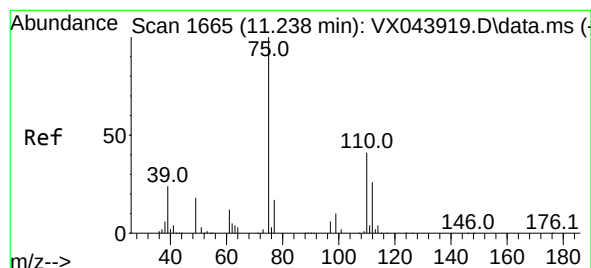
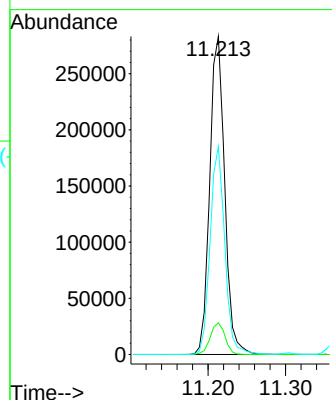
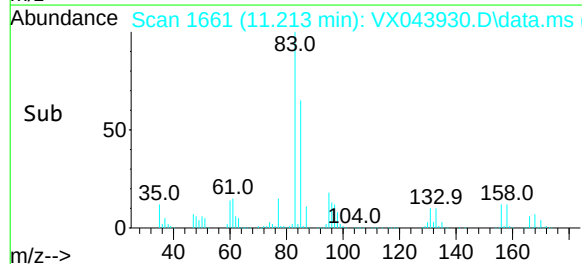
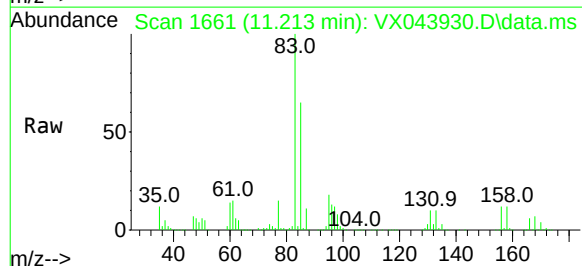
85 64.1 32.3 96.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 159.312 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043930.D

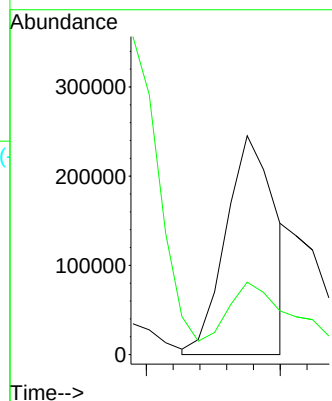
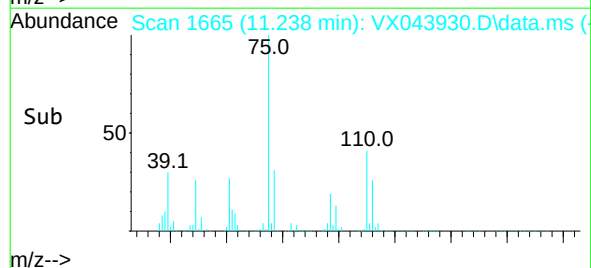
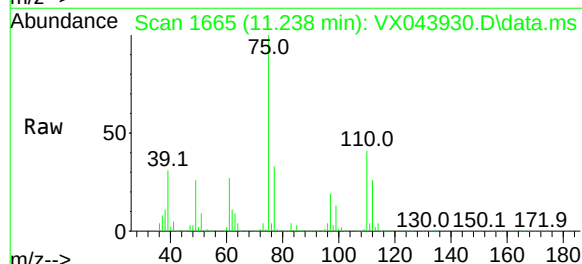
Acq: 21 Nov 2024 12:03

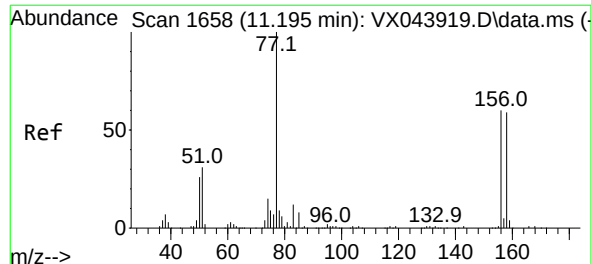
Tgt Ion: 75 Resp: 313344

Ion Ratio Lower Upper

75 100

77 45.6 22.4 67.0





#77

Bromobenzene

Concen: 160.539 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:156 Resp: 270671

Ion Ratio Lower Upper

156 100

77 166.5 81.2 243.6

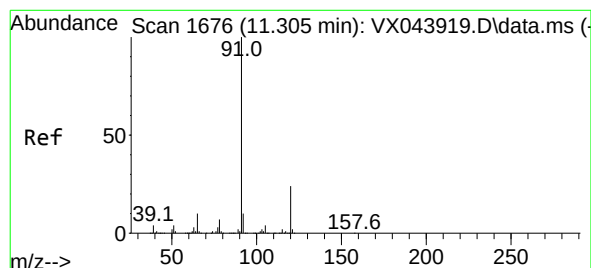
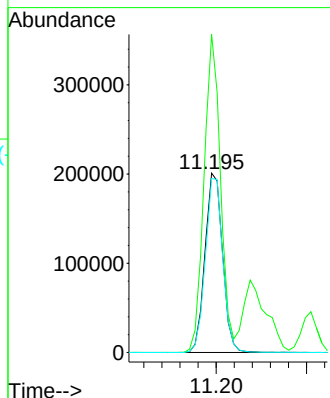
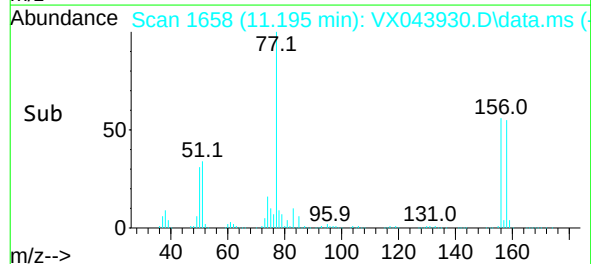
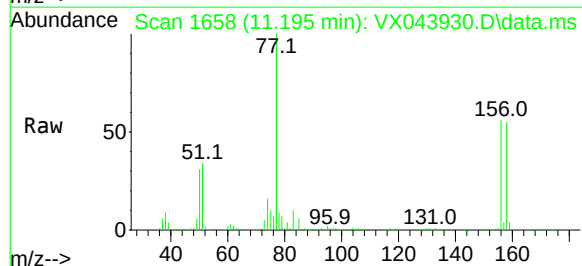
158 96.8 48.6 145.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 170.866 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX043930.D

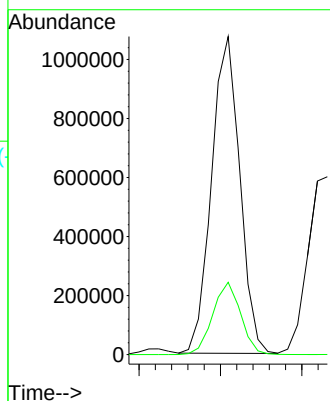
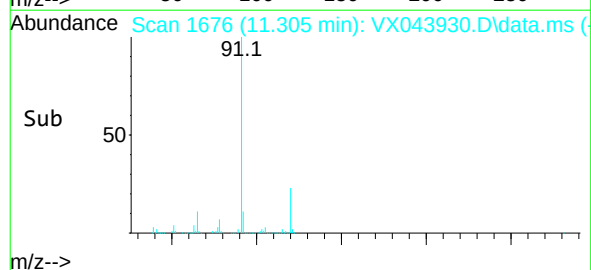
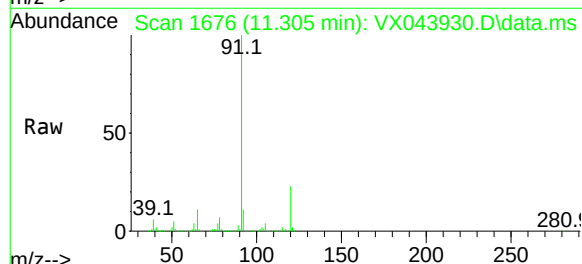
Acq: 21 Nov 2024 12:03

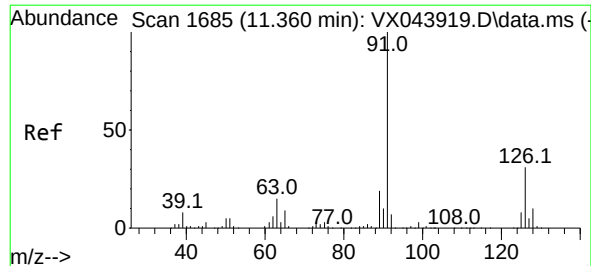
Tgt Ion: 91 Resp: 1296979

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.5





#79

2-Chlorotoluene

Concen: 163.185 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 788163

Ion Ratio Lower Upper

91 100

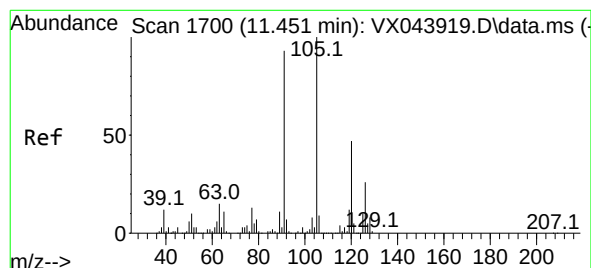
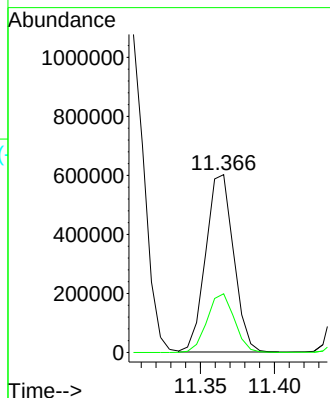
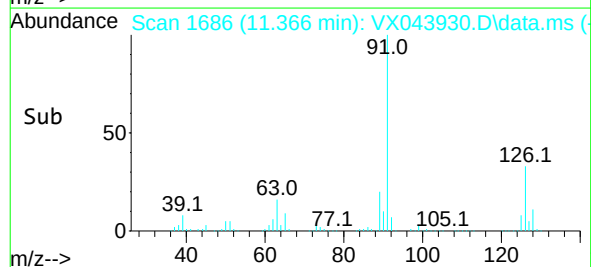
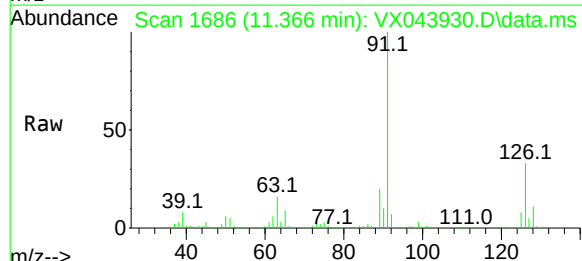
126 32.5 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 164.167 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043930.D

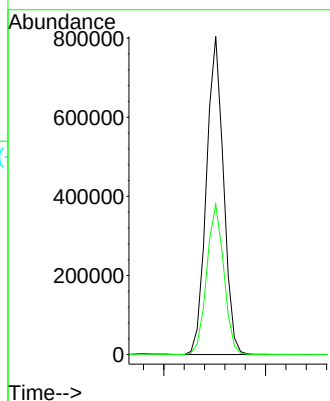
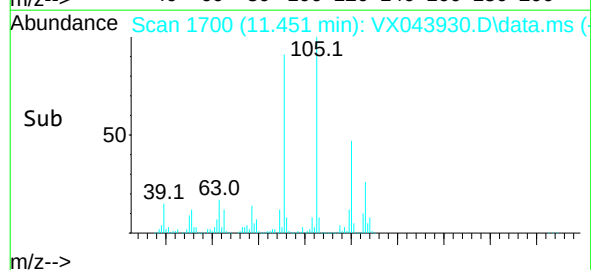
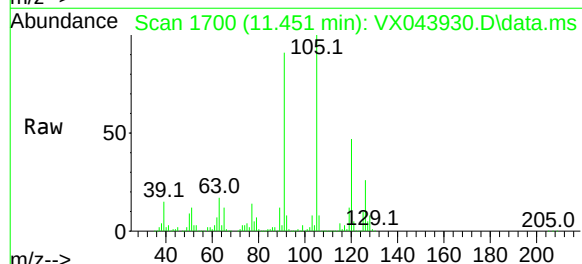
Acq: 21 Nov 2024 12:03

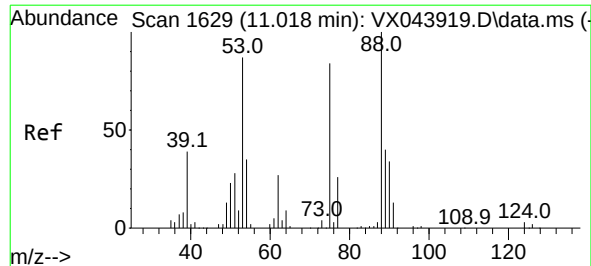
Tgt Ion:105 Resp: 936129

Ion Ratio Lower Upper

105 100

120 47.3 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 161.734 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 75 Resp: 136104

Ion Ratio Lower Upper

75 100

53 103.1 81.7 122.5

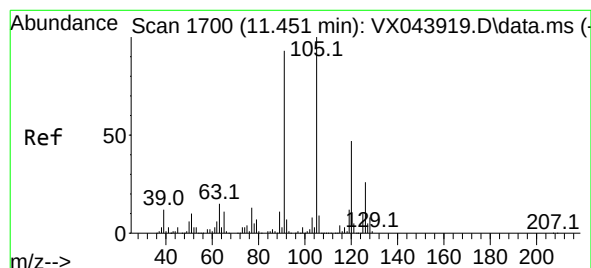
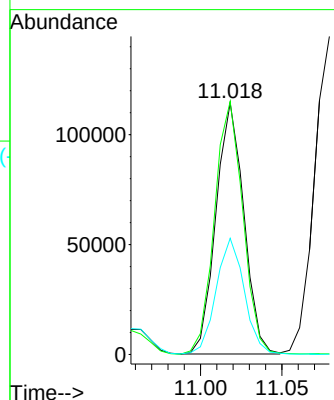
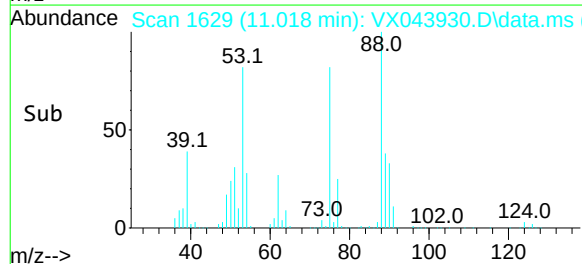
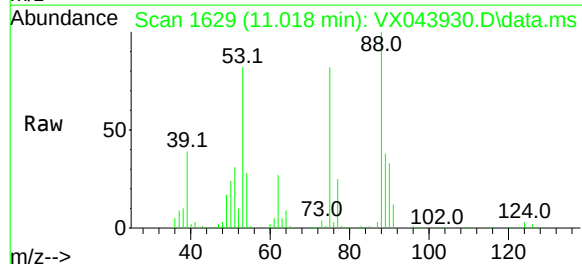
89 47.0 38.6 57.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#82

4-Chlorotoluene

Concen: 165.319 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043930.D

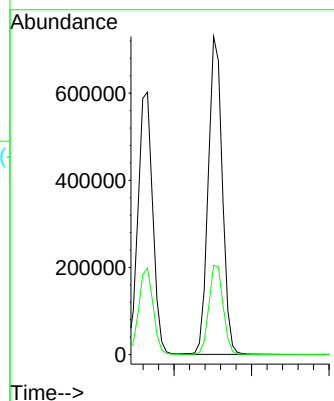
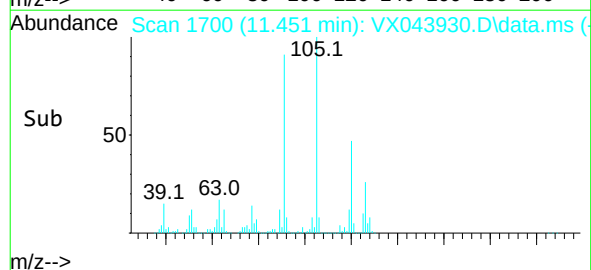
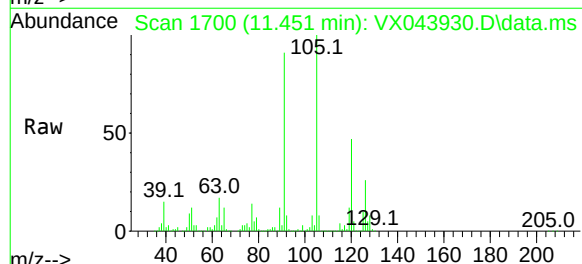
Acq: 21 Nov 2024 12:03

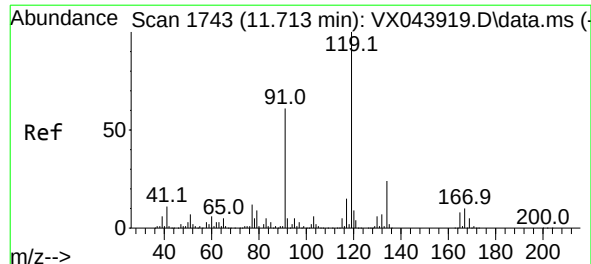
Tgt Ion: 91 Resp: 919566

Ion Ratio Lower Upper

91 100

126 28.6 14.4 43.2





#83

tert-Butylbenzene

Concen: 162.017 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:119 Resp: 945058

Ion Ratio Lower Upper

119 100

91 60.6 29.5 88.6

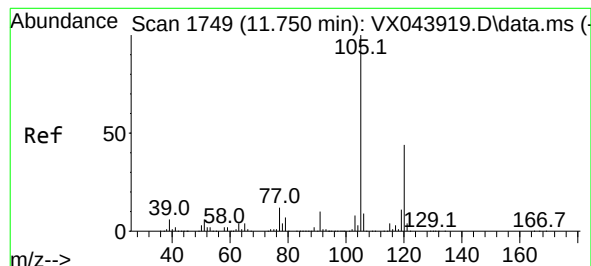
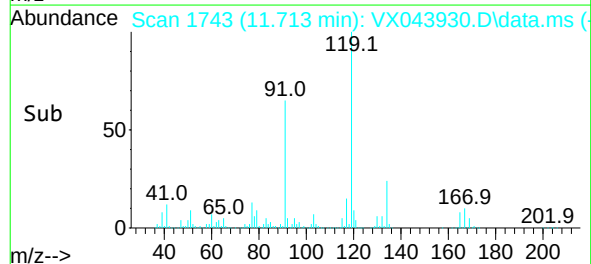
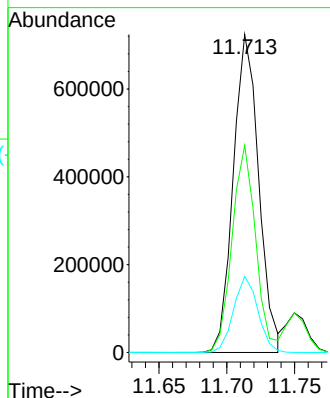
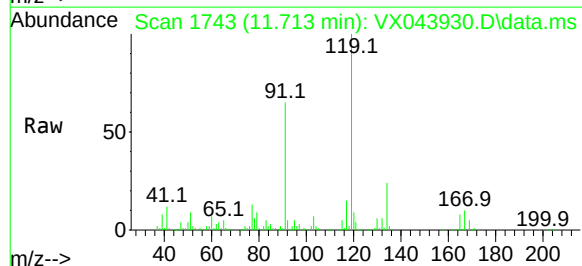
134 22.9 11.8 35.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 161.161 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043930.D

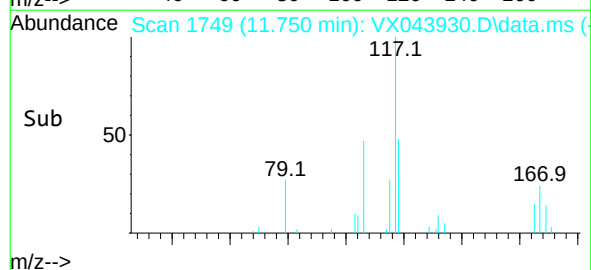
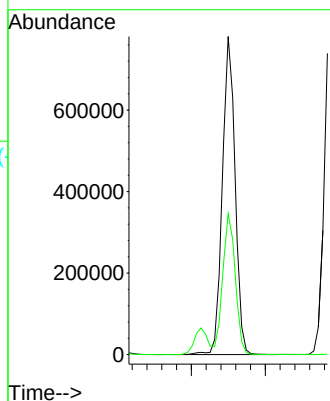
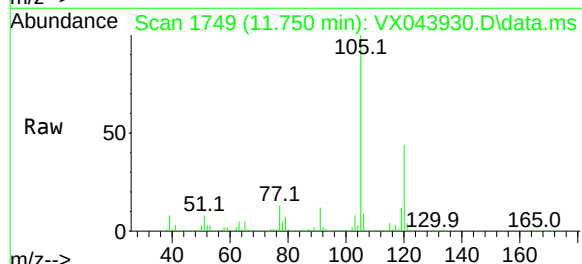
Acq: 21 Nov 2024 12:03

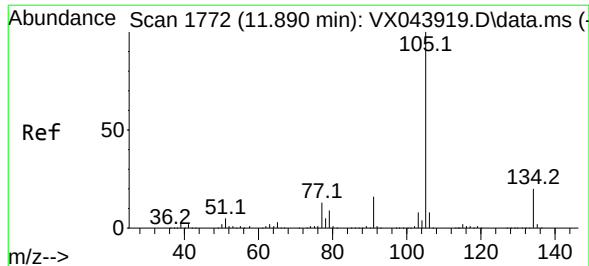
Tgt Ion:105 Resp: 933275

Ion Ratio Lower Upper

105 100

120 43.2 21.7 65.1





#85

sec-Butylbenzene

Concen: 164.934 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:105 Resp: 1148877

Ion Ratio Lower Upper

105 100

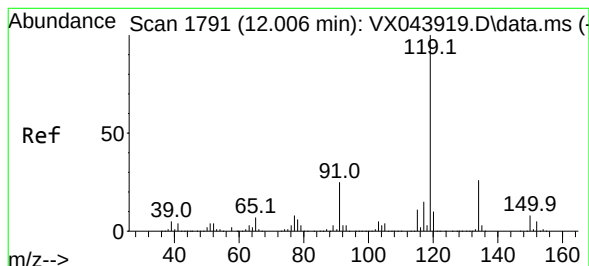
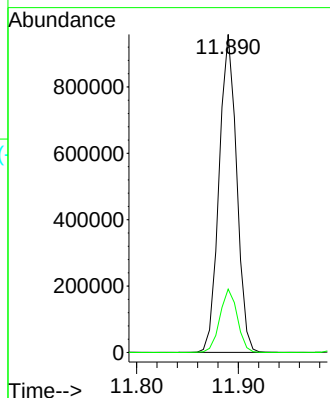
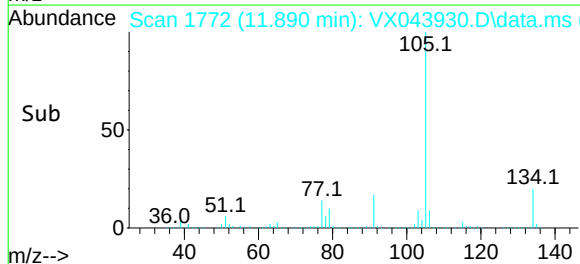
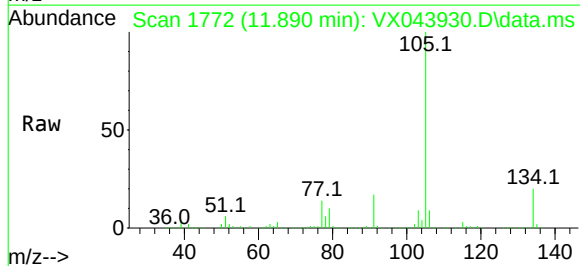
134 19.9 10.0 29.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 166.189 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

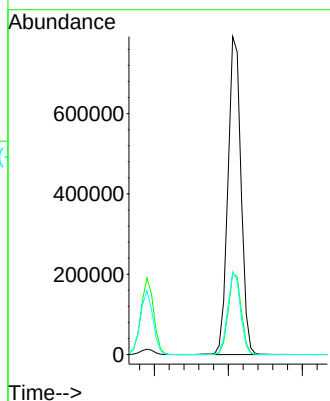
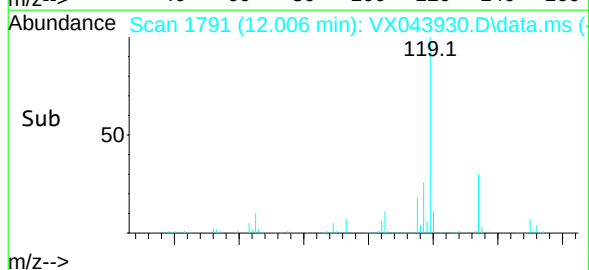
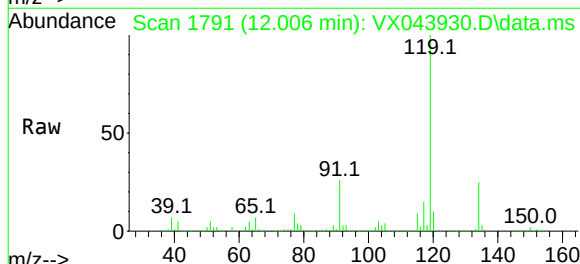
Tgt Ion:119 Resp: 972007

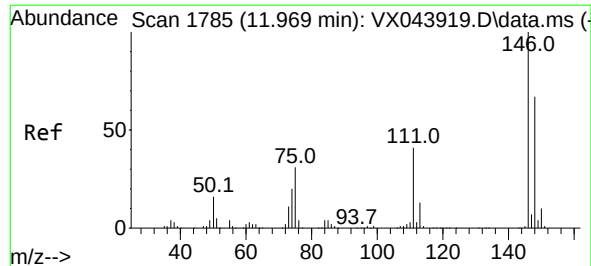
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.4 12.3 36.8





#87

1,3-Dichlorobenzene

Concen: 156.923 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 490336

Ion Ratio Lower Upper

146 100

111 42.2 20.8 62.2

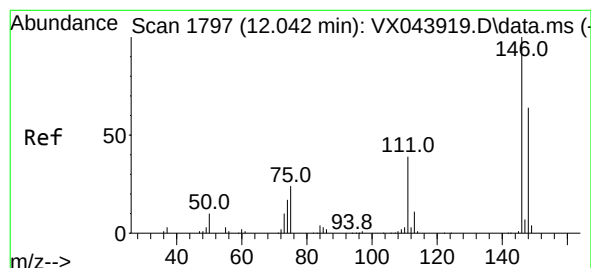
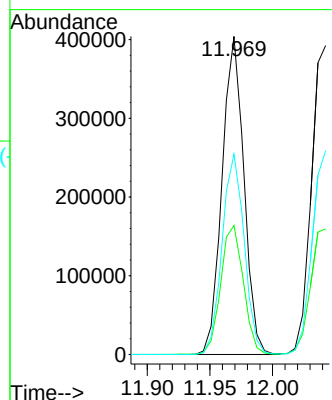
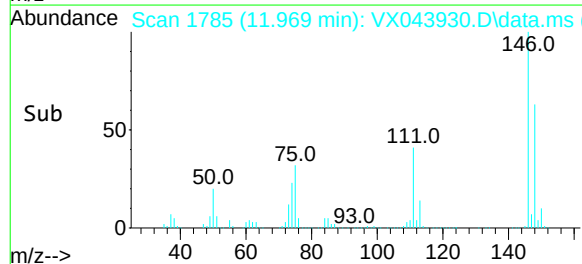
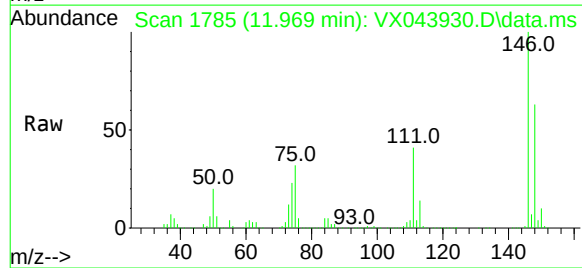
148 63.8 31.8 95.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 154.301 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

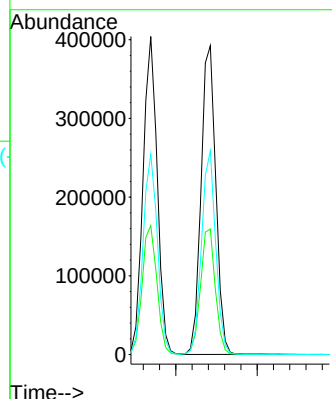
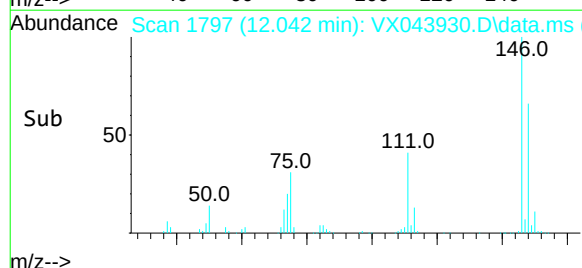
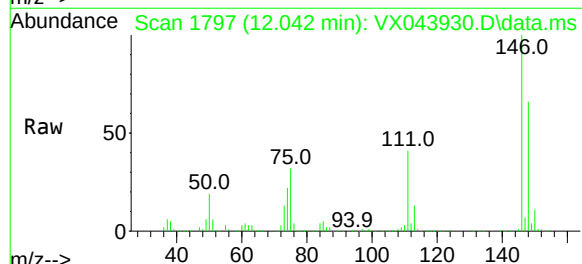
Tgt Ion:146 Resp: 494318

Ion Ratio Lower Upper

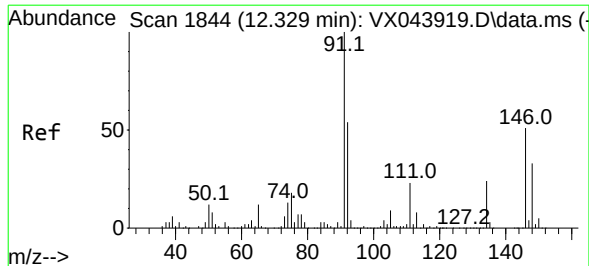
146 100

111 40.8 20.1 60.2

148 63.5 32.2 96.6







#89

n-Butylbenzene

Concen: 181.353 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 903805

Ion Ratio Lower Upper

91 100

92 53.1 26.9 80.6

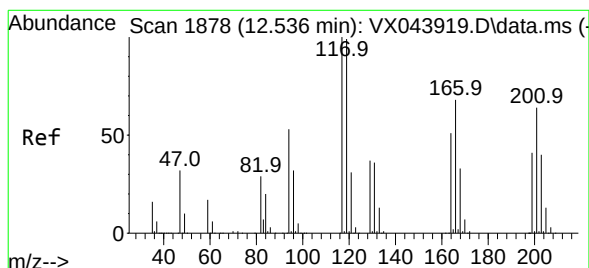
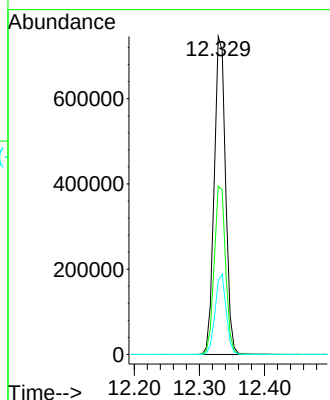
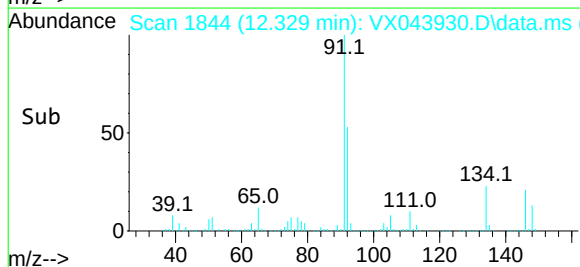
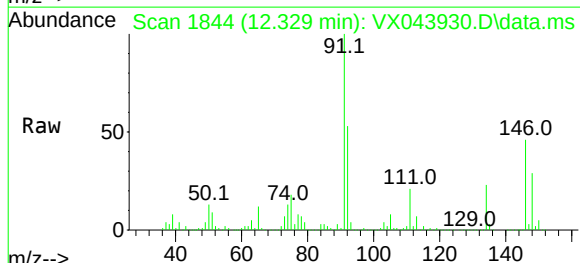
134 24.8 12.9 38.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 151.823 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043930.D

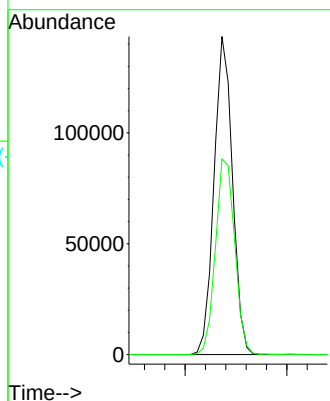
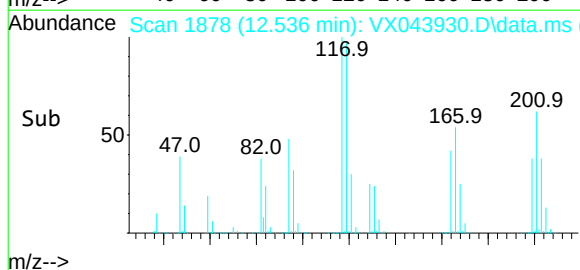
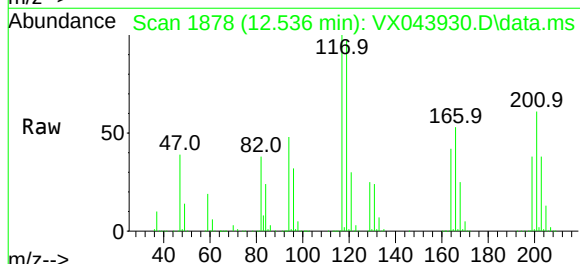
Acq: 21 Nov 2024 12:03

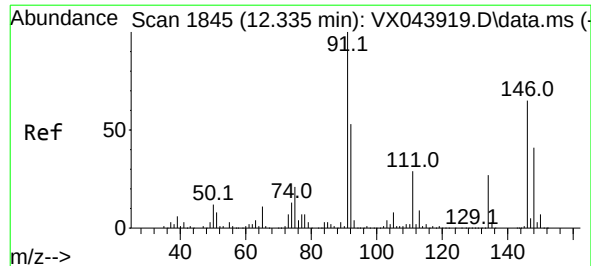
Tgt Ion:117 Resp: 180575

Ion Ratio Lower Upper

117 100

201 64.6 34.1 102.3





#91

1,2-Dichlorobenzene

Concen: 153.818 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:146 Resp: 503214

Ion Ratio Lower Upper

146 100

111 43.3 21.7 65.1

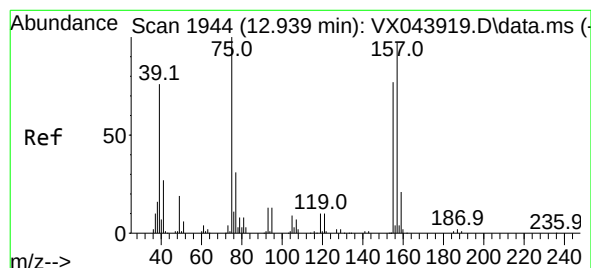
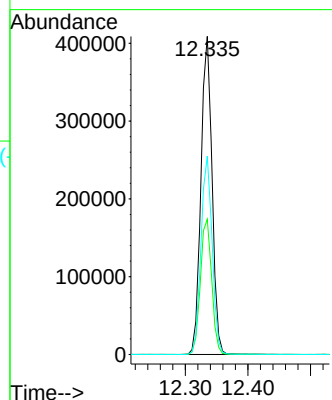
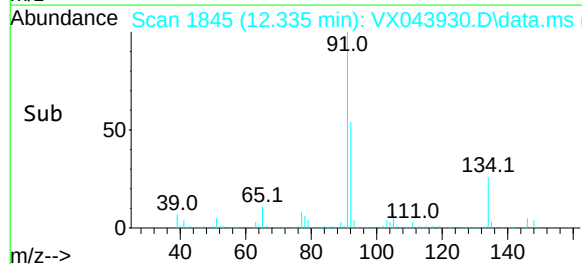
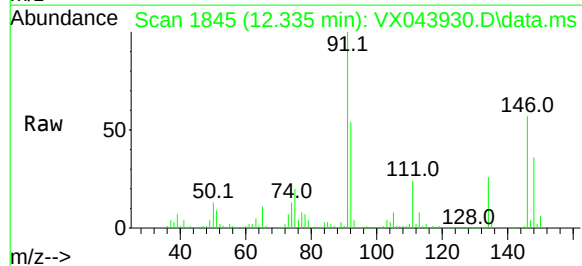
148 62.6 31.6 94.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 146.019 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

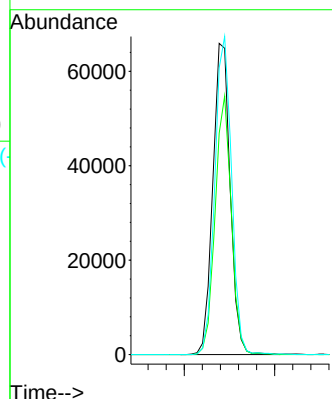
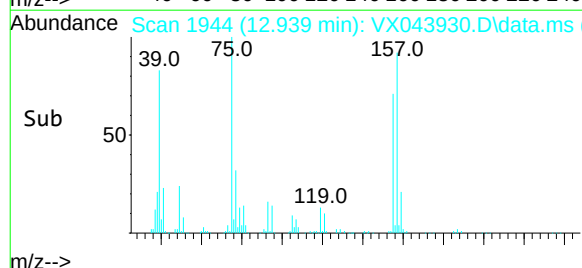
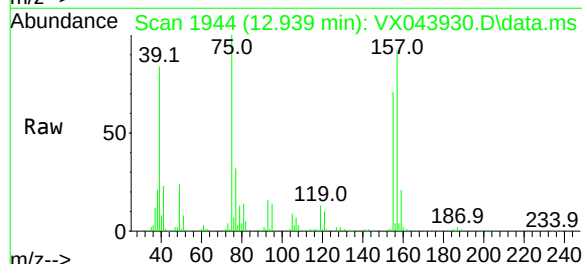
Tgt Ion: 75 Resp: 87963

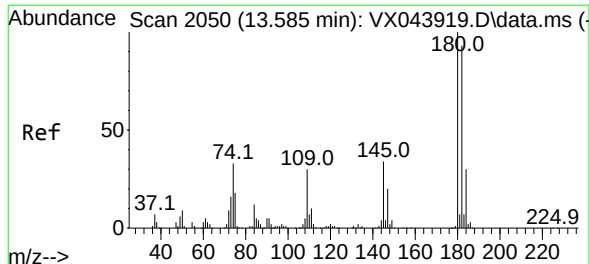
Ion Ratio Lower Upper

75 100

155 77.7 40.8 122.5

157 98.7 54.3 162.9





#93

1,2,4-Trichlorobenzene

Concen: 170.137 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

Tgt Ion:180 Resp: 325289

Ion Ratio Lower Upper

180 100

182 95.1 46.8 140.4

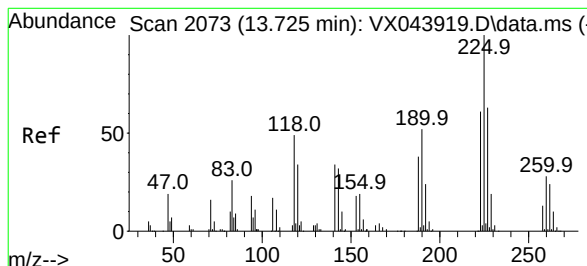
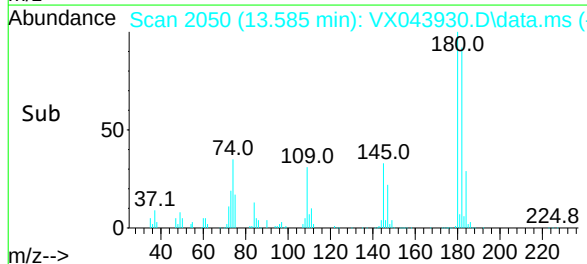
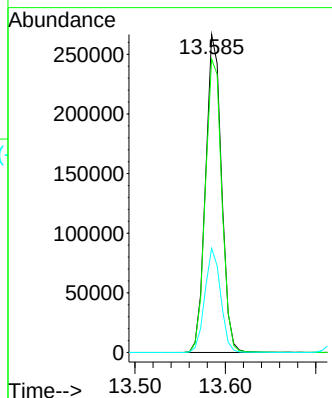
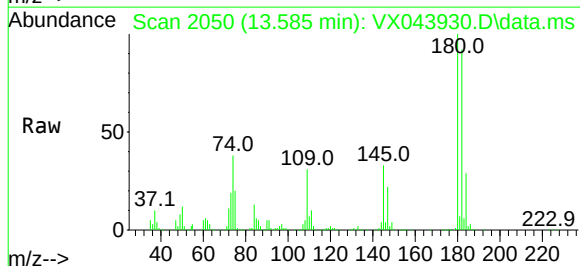
145 32.5 16.4 49.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 154.589 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

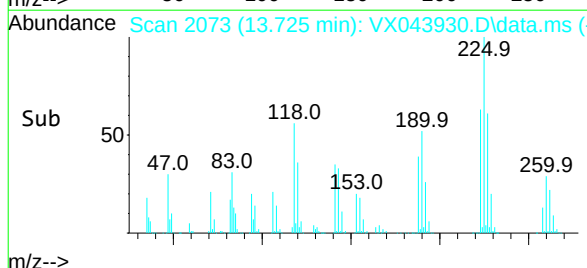
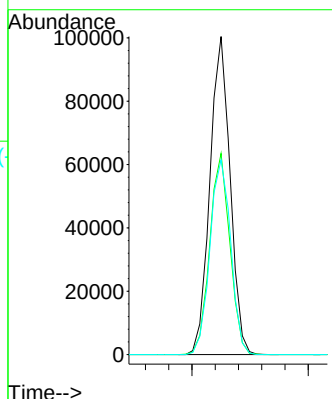
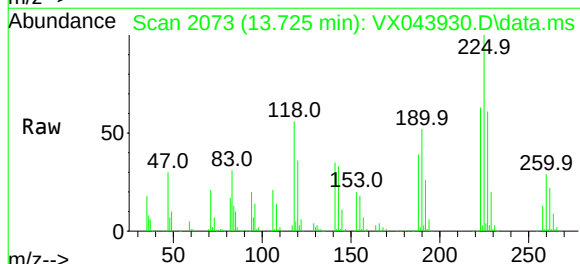
Tgt Ion:225 Resp: 121126

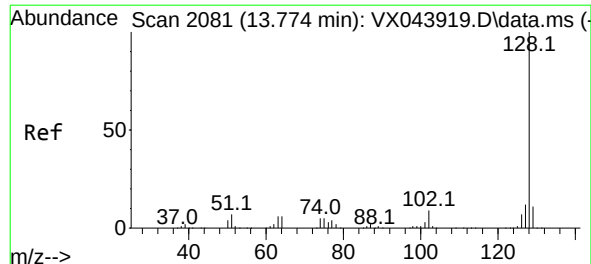
Ion Ratio Lower Upper

225 100

223 63.0 31.1 93.3

227 62.8 29.8 89.5





#95

Naphthalene

Concen: 164.565 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

Tgt Ion:128 Resp: 1173154

Ion Ratio Lower Upper

128 100

127 12.9 10.1 15.1

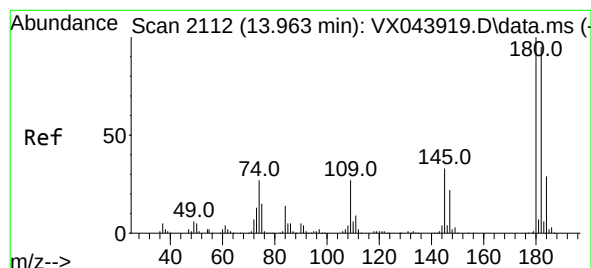
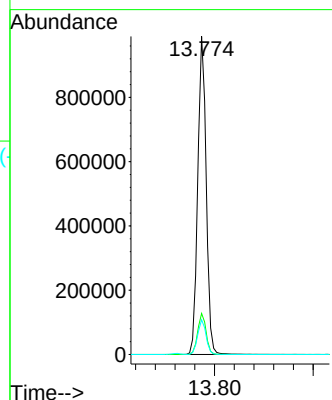
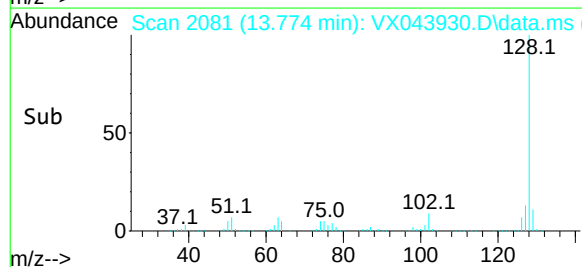
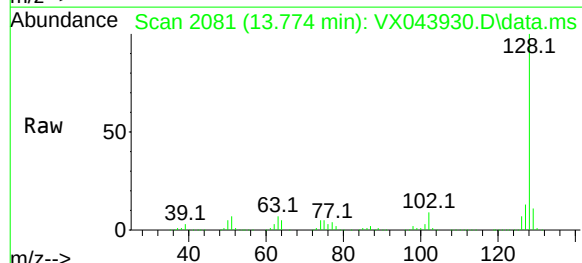
129 10.9 8.6 13.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 164.001 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

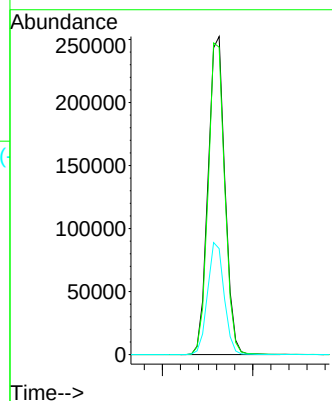
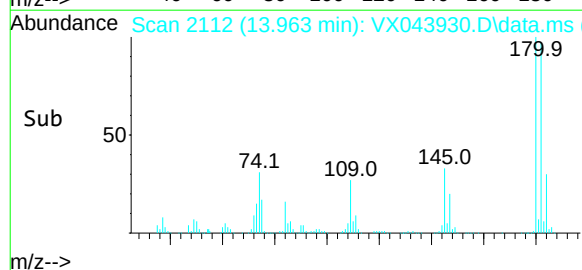
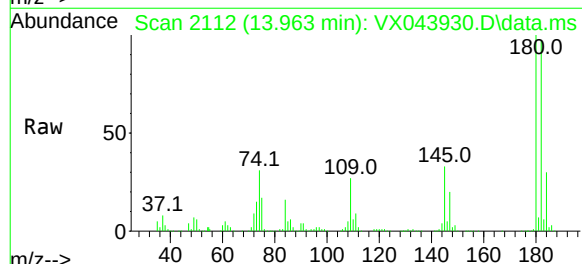
Tgt Ion:180 Resp: 326693

Ion Ratio Lower Upper

180 100

182 96.5 47.6 142.8

145 34.6 17.4 52.2



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX112124

Manual Integrations  
 APPROVED

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

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 131073              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 229009              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 198776              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 96489               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 112818              | 50.183  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 100.360% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 85815               | 52.442  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 104.880% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 289000              | 51.234  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 102.460% |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 103640              | 53.987  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 107.980% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 83916               | 50.537  | ug/l   | 99       |
| 3) Chloromethane             | 1.295          | 50   | 85795               | 49.100  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 93147               | 50.118  | ug/l   | 97       |
| 5) Bromomethane              | 1.593          | 94   | 53783               | 47.040  | ug/l   | 100      |
| 6) Chloroethane              | 1.660          | 64   | 46342               | 40.921  | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.868          | 101  | 177461              | 53.407  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 57339               | 47.345  | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 80458               | 50.762  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.441          | 142  | 96234               | 48.614  | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.995          | 59   | 85927               | 238.127 | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 72787               | 48.192  | ug/l   | 99       |
| 13) Acrolein                 | 2.233          | 56   | 89571               | 235.500 | ug/l   | 98       |
| 14) Allyl chloride           | 2.654          | 41   | 127367              | 51.610  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.063          | 53   | 227832              | 259.090 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 257802              | 249.676 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.496          | 76   | 153826              | 49.375  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 121774              | 50.643  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 275221              | 50.186  | ug/l   | 98       |
| 20) Methylene Chloride       | 2.782          | 84   | 82274               | 46.954  | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 76687               | 49.179  | ug/l   | 97       |
| 22) Diisopropyl ether        | 3.758          | 45   | 264554              | 50.132  | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1189244             | 263.441 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 153635              | 50.466  | ug/l   | 98       |
| 25) 2-Butanone               | 4.556          | 43   | 348803              | 261.804 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.459          | 77   | 143910              | 52.343  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 95076               | 49.326  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 62874               | 46.920  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 207942              | 254.585 | ug/l   | 100      |
| 30) Chloroform               | 5.080          | 83   | 163357              | 49.891  | ug/l   | 98       |
| 31) Cyclohexane              | 5.458          | 56   | 128482              | 51.278  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 144908              | 51.320  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.678          | 75   | 108518              | 53.218  | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.709          | 43   | 133283              | 52.656  | ug/l   | 97       |
| 38) Carbon Tetrachloride     | 5.660          | 117  | 118655              | 51.786  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.373          | 83   | 141696              | 53.489  | ug/l   | 93       |
| 40) Benzene                  | 6.025          | 78   | 319222              | 50.257  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX112124

Manual Integrations  
 APPROVED

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

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 69766    | 53.851  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 128623   | 50.421  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 207332   | 51.469  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 80113    | 44.554  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.422  | 63   | 74380    | 47.811  | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 62345    | 50.662  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 116199   | 52.648  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 101062   | 52.284  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31178    | 905.506 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 652721   | 265.520 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 195814   | 51.507  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 119461   | 53.077  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 128808   | 52.205  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 78575    | 50.069  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 129841   | 53.118  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 134680   | 50.945  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 315358   | 235.230 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 504444   | 273.011 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 82754    | 52.557  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 83098    | 52.367  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 66054    | 50.396  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 209963   | 48.094  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 74354    | 52.515  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 377215   | 50.991  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 282971   | 102.572 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 138437   | 51.396  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 230449   | 51.728  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 50837    | 47.449  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 365084   | 49.222  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 176627   | 51.406  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 125346   | 49.356  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 105742m  | 49.973  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 85070    | 48.081  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 419586   | 50.652  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 249079   | 47.551  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 305922   | 50.134  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 38583    | 49.756  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 287717   | 48.652  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 303408   | 50.165  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 306251   | 50.410  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 372793   | 50.307  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 310060   | 51.511  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 153164   | 47.529  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 155422   | 47.306  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 276075   | 52.020  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 51229    | 50.050  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 154980   | 47.656  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 25968    | 51.030  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 94896    | 49.495  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 37937    | 50.065  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 357725   | 51.831  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 99447    | 51.246  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043932.D  
Acq On : 21 Nov 2024 13:57  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

Manual Integrations  
APPROVED

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

Quant Time: Nov 22 03:54:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

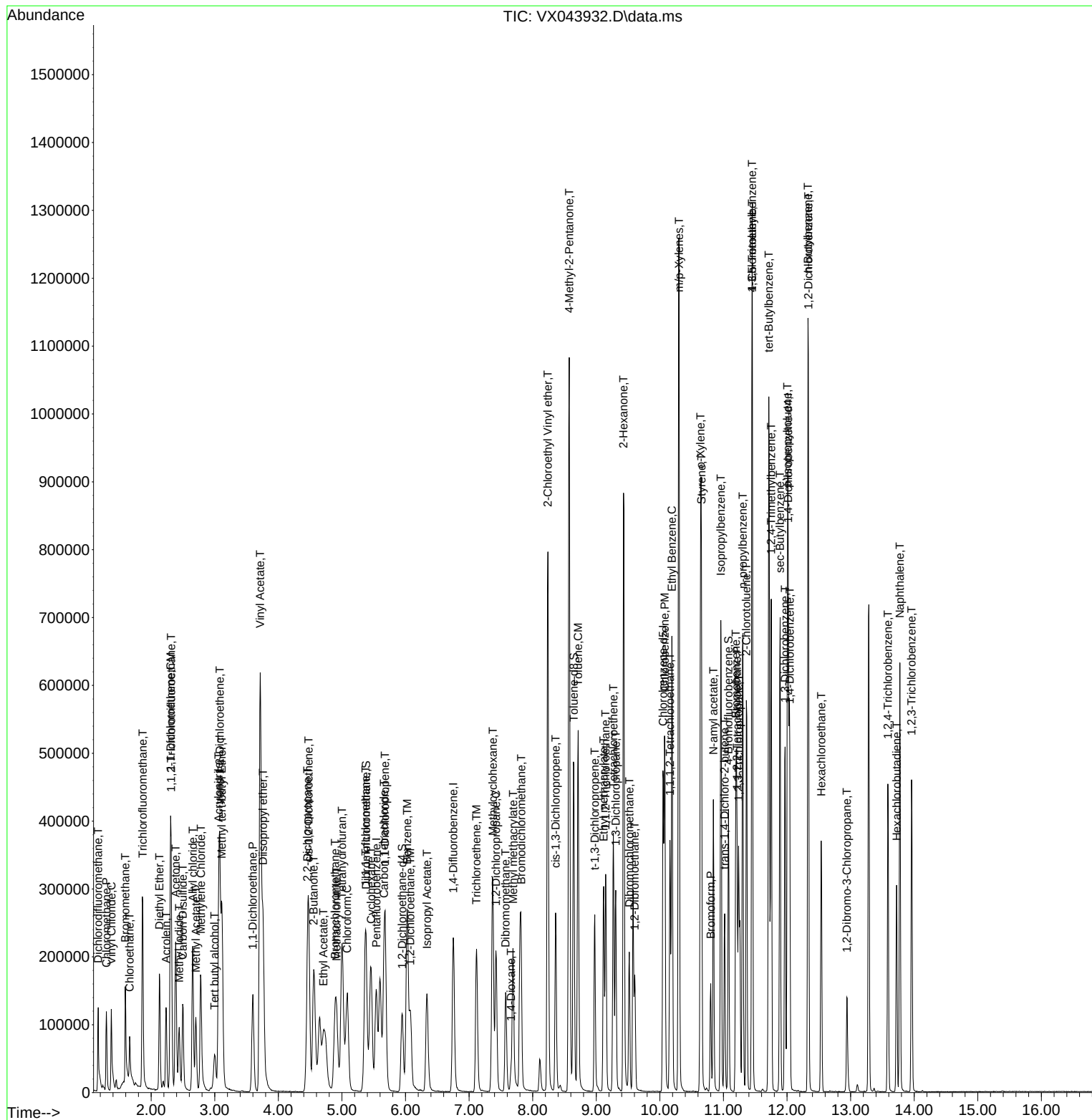
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112124\
Data File : VX043932.D
Acq On    : 21 Nov 2024 13:57
Operator  : JC/MD
Sample    : VSTDICV050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 20 Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
ICVVX112124

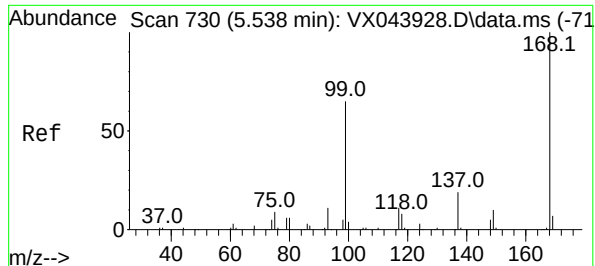
## Manual Integrations APPROVED

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

Quant Time: Nov 22 03:54:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

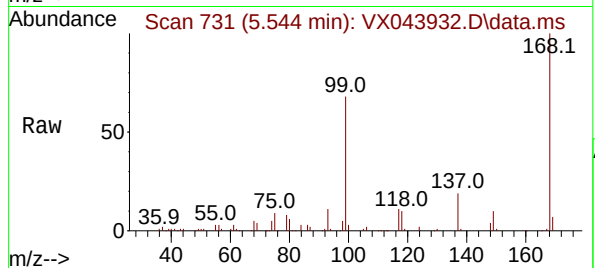






#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.006 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

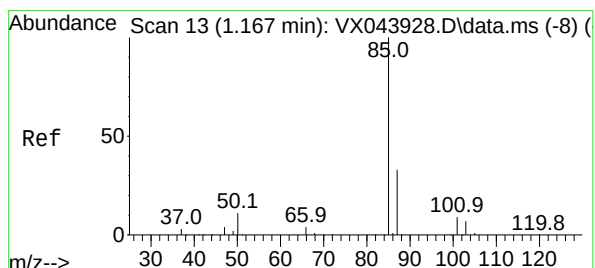
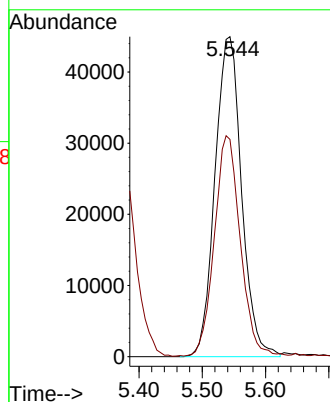
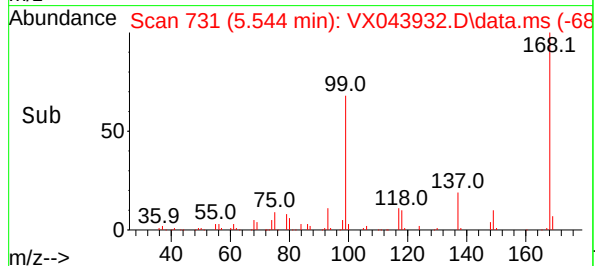
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVWX112124



Tgt Ion:168 Resp: 131073  
Ion Ratio Lower Upper  
168 100  
99 67.5 51.8 77.8

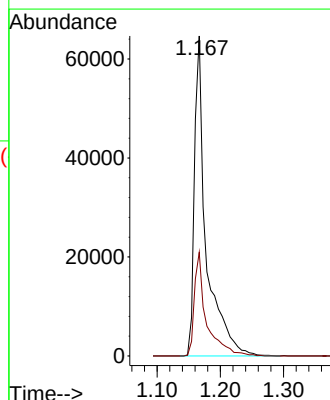
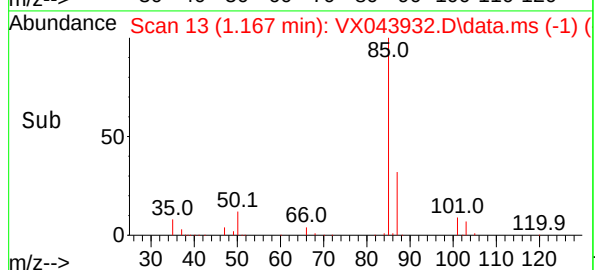
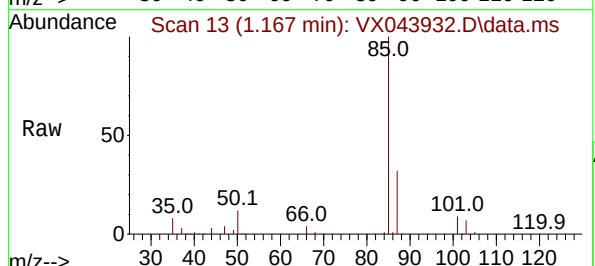
Manual Integrations  
APPROVED

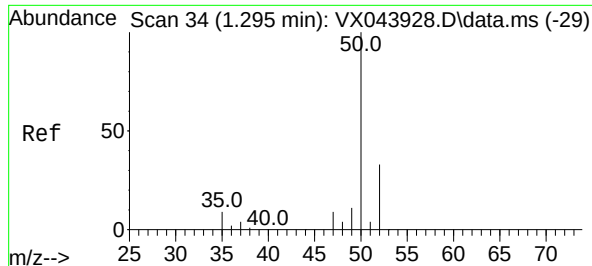
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#2  
Dichlorodifluoromethane  
Concen: 50.537 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916  
Ion Ratio Lower Upper  
85 100  
87 32.4 16.6 49.8





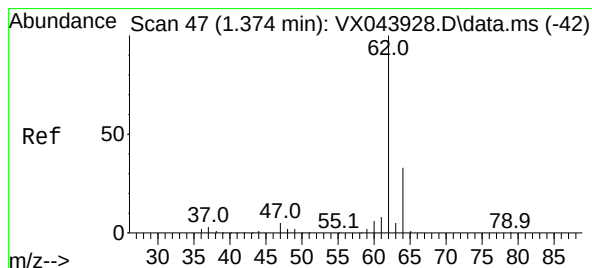
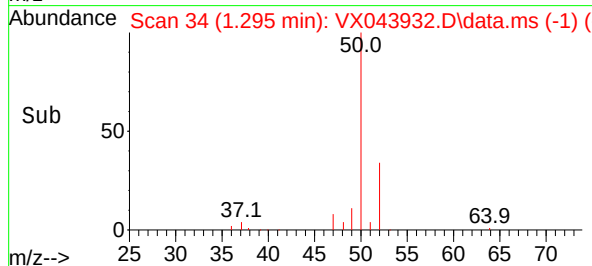
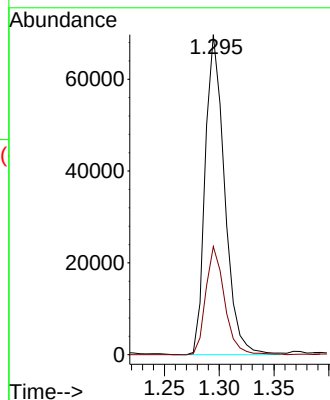
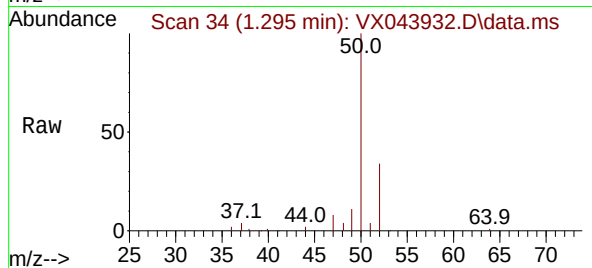
#3  
Chloromethane  
Concen: 49.100 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion: 50 Resp: 8579  
Ion Ratio Lower Upper  
50 100  
52 33.8 26.1 39.1

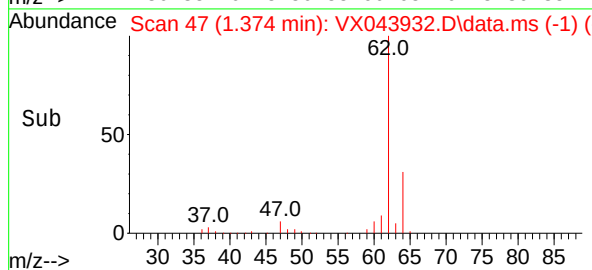
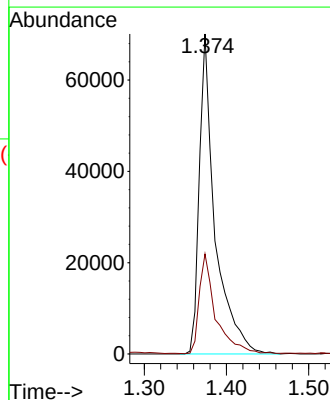
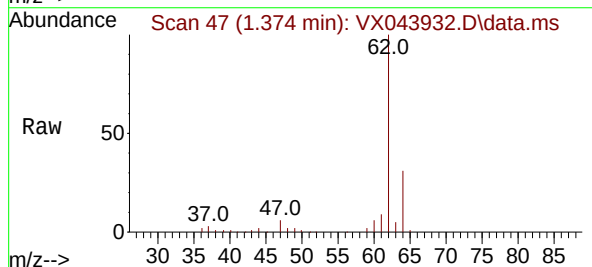
Manual Integrations  
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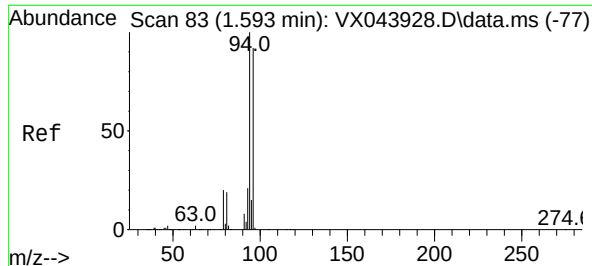
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#4  
Vinyl Chloride  
Concen: 50.118 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 62 Resp: 93147  
Ion Ratio Lower Upper  
62 100  
64 31.1 26.2 39.4





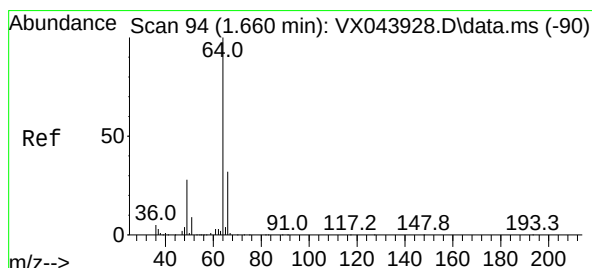
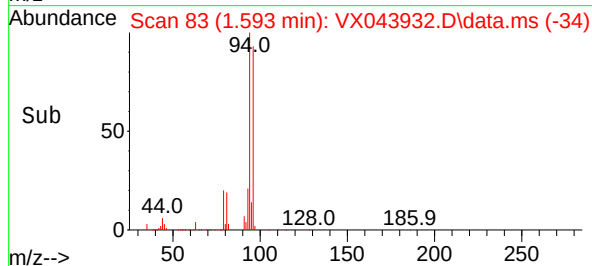
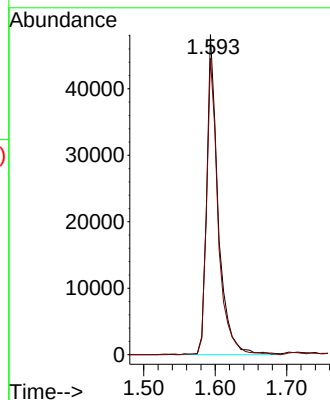
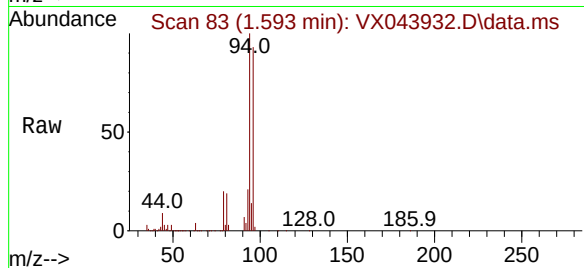
#5  
Bromomethane  
Concen: 47.040 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion: 94 Resp: 53783  
Ion Ratio Lower Upper  
94 100  
96 92.7 73.9 110.9

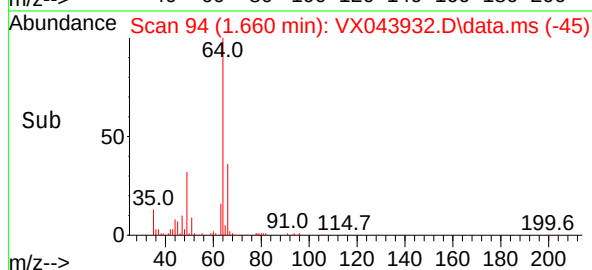
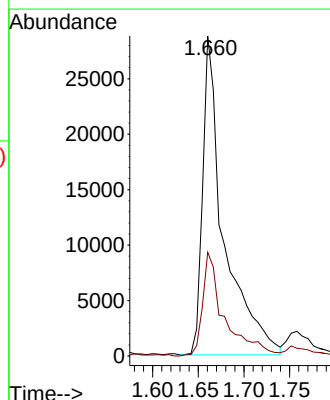
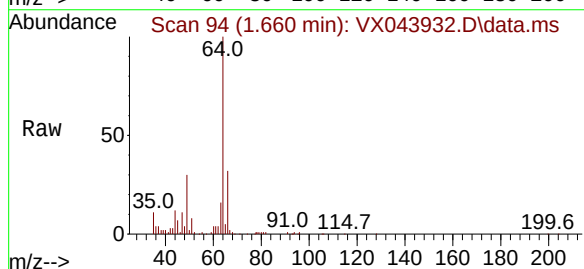
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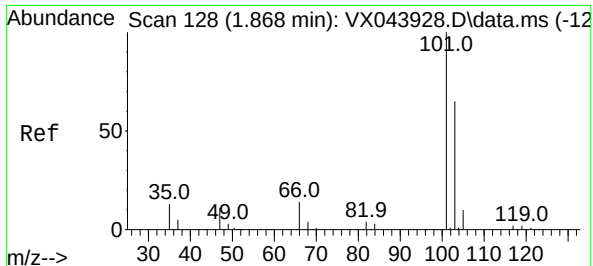
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#6  
Chloroethane  
Concen: 40.921 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

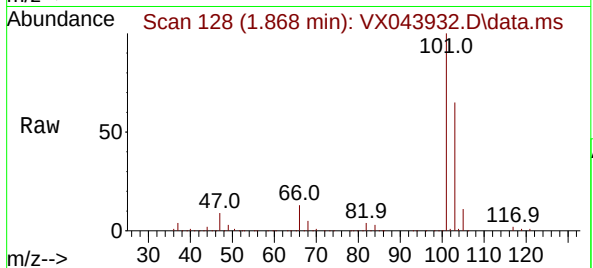
Tgt Ion: 64 Resp: 46342  
Ion Ratio Lower Upper  
64 100  
66 32.5 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 53.407 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

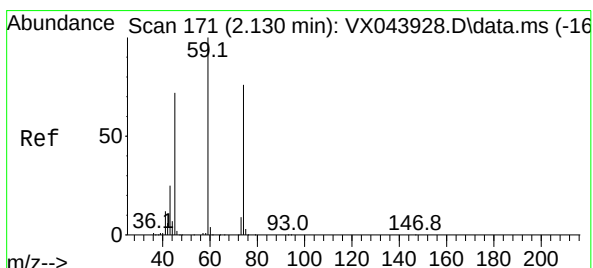
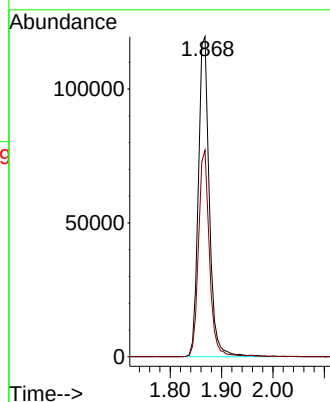
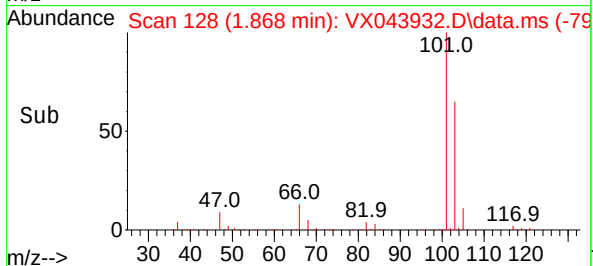
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124



Tgt Ion:101 Resp: 17746  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.2 78.2

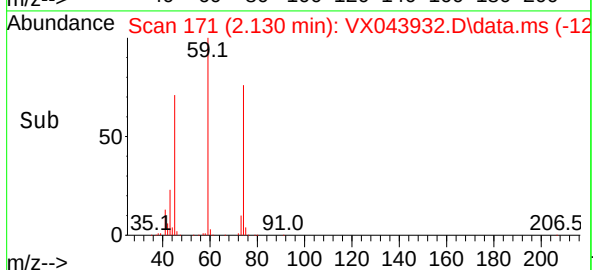
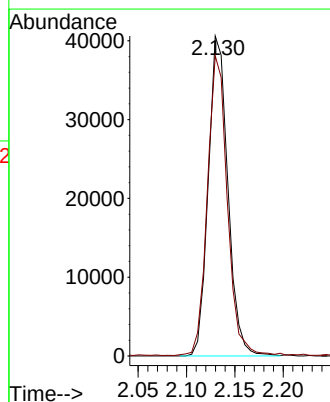
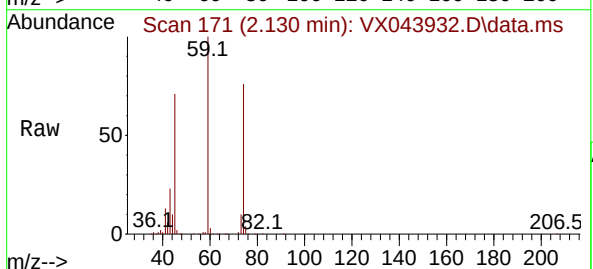
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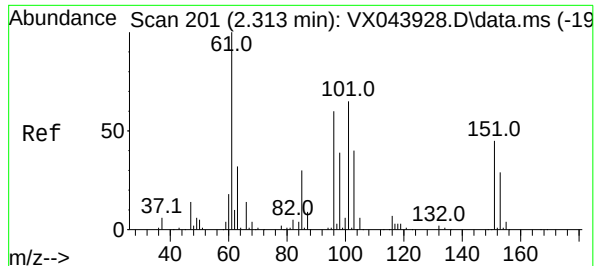
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#8  
Diethyl Ether  
Concen: 47.345 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339  
Ion Ratio Lower Upper  
74 100  
45 95.6 47.9 143.6





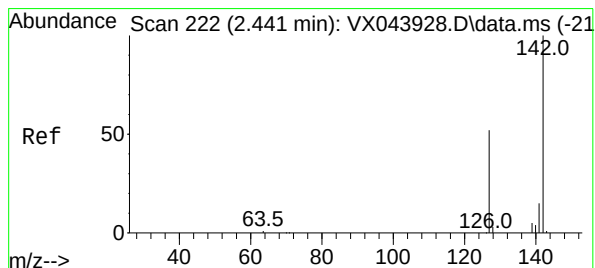
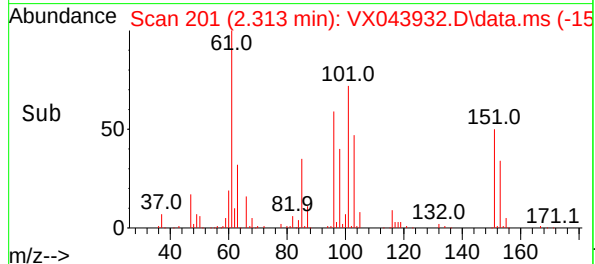
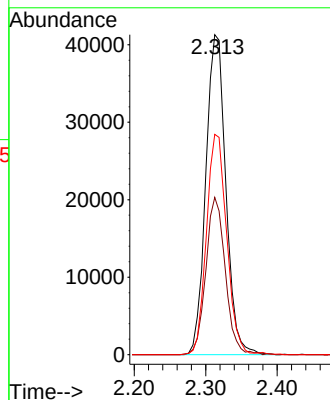
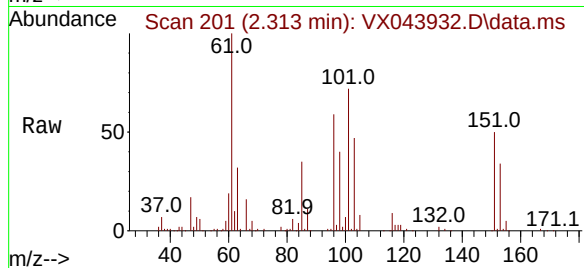
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.762 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion:101 Resp: 80458  
Ion Ratio Lower Upper  
101 100  
85 47.7 37.9 56.9  
151 69.3 57.5 86.3

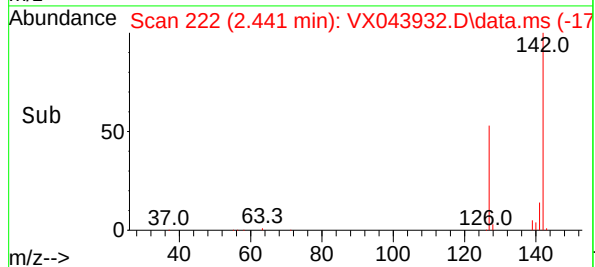
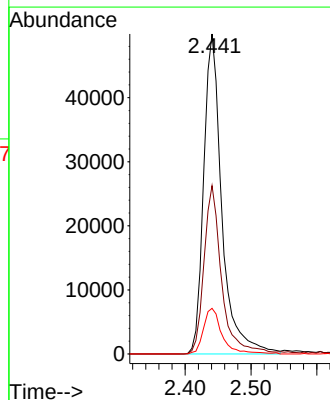
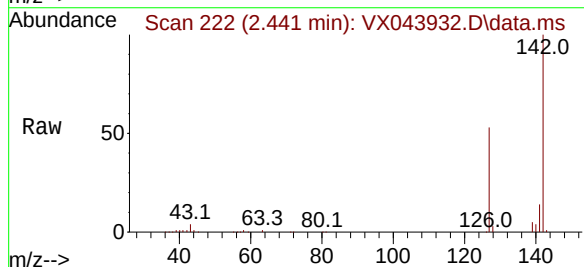
Manual Integrations  
APPROVED

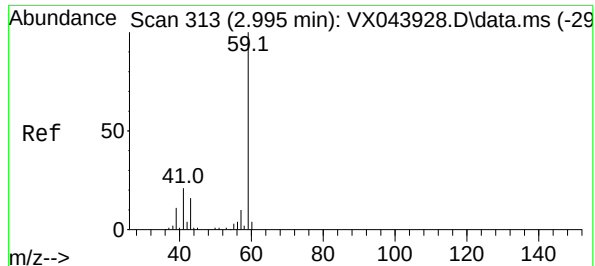
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#10  
Methyl Iodide  
Concen: 48.614 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234  
Ion Ratio Lower Upper  
142 100  
127 50.9 40.7 61.1  
141 14.6 12.0 18.0





#11

Tert butyl alcohol

Concen: 238.127 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 59 Resp: 8592

Ion Ratio Lower Upper

59 100

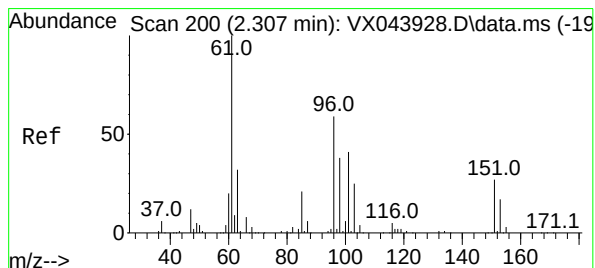
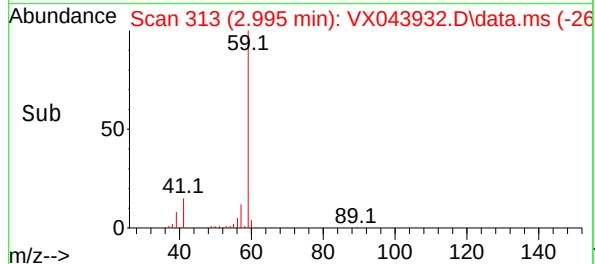
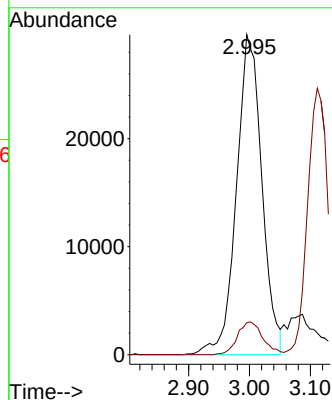
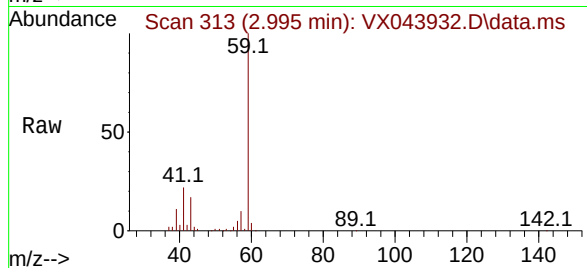
57 10.3 7.9 11.9

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#12

1,1-Dichloroethene

Concen: 48.192 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

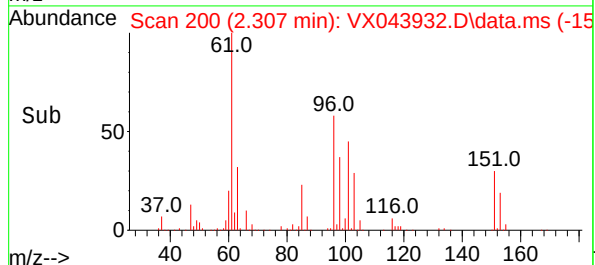
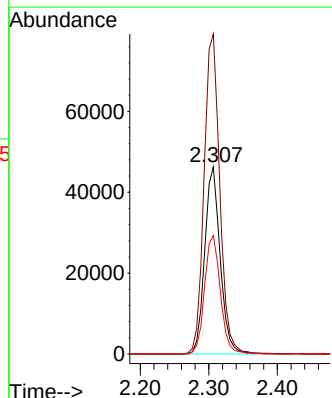
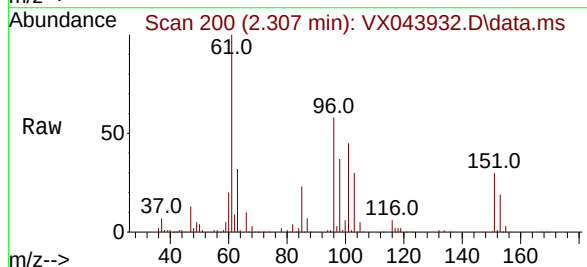
Tgt Ion: 96 Resp: 72787

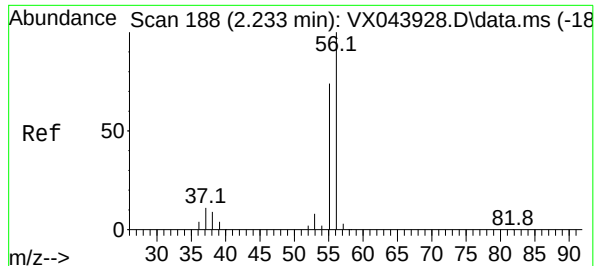
Ion Ratio Lower Upper

96 100

61 171.1 135.5 203.3

98 63.4 50.8 76.2





#13

Acrolein

Concen: 235.500 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 56 Resp: 8957

Ion Ratio Lower Upper

56 100

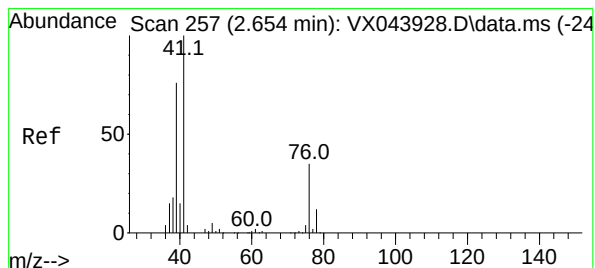
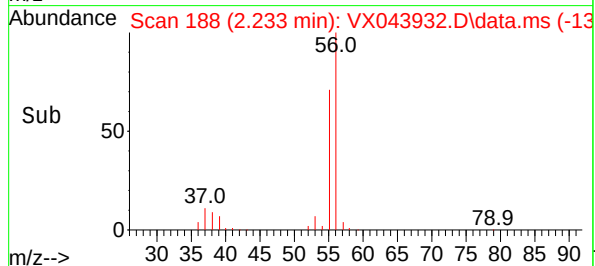
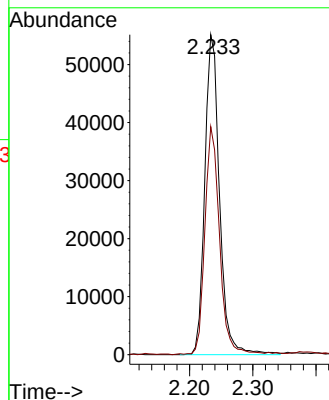
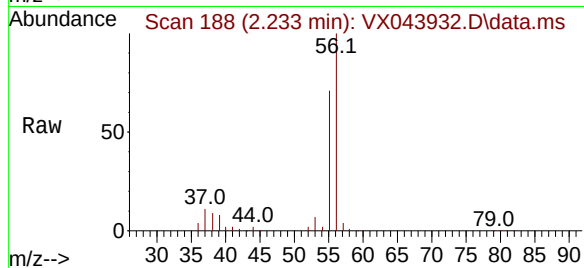
55 70.9 58.2 87.2

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#14

Allyl chloride

Concen: 51.610 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

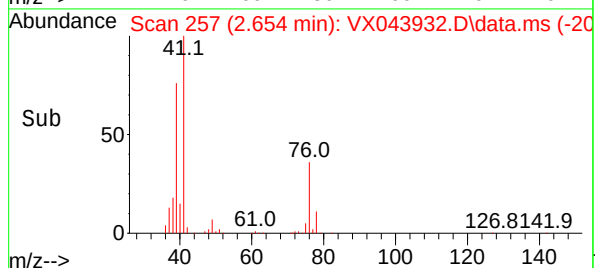
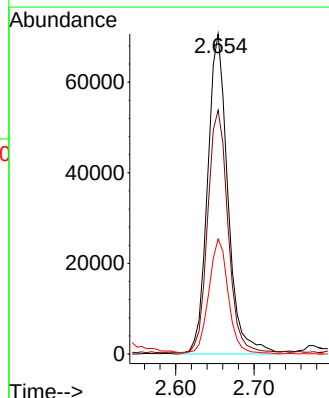
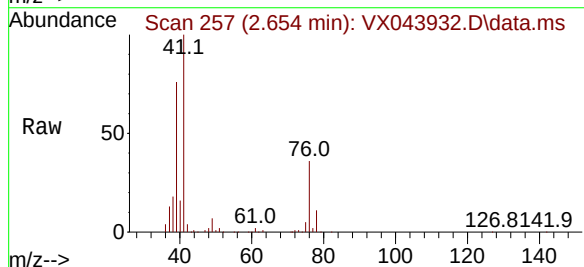
Tgt Ion: 41 Resp: 127367

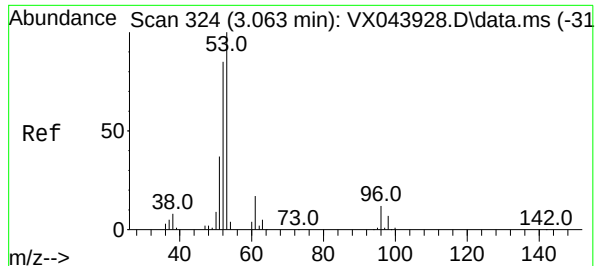
Ion Ratio Lower Upper

41 100

39 75.3 59.5 89.3

76 34.5 27.4 41.2





#15

Acrylonitrile

Concen: 259.090 ug/l

RT: 3.063 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 53 Resp: 22783

Ion Ratio Lower Upper

53 100

52 84.3 66.5 99.7

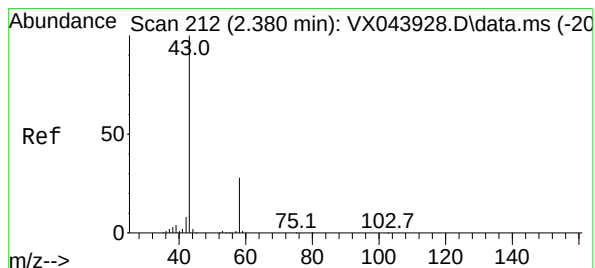
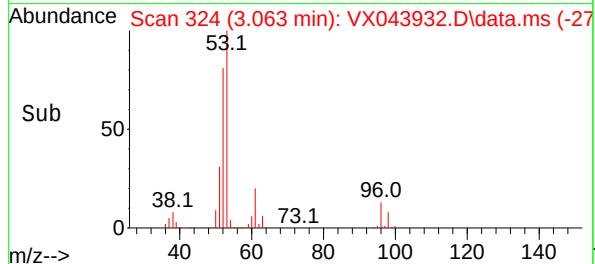
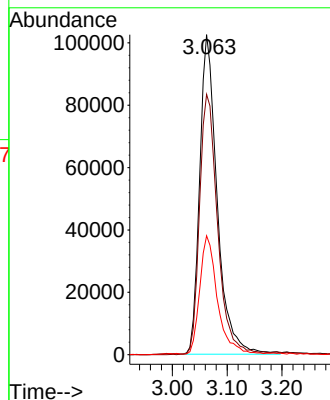
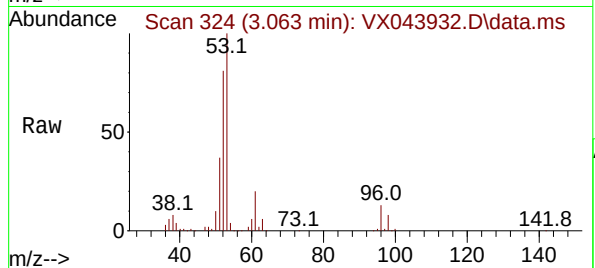
51 37.2 30.2 45.4

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#16

Acetone

Concen: 249.676 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043932.D

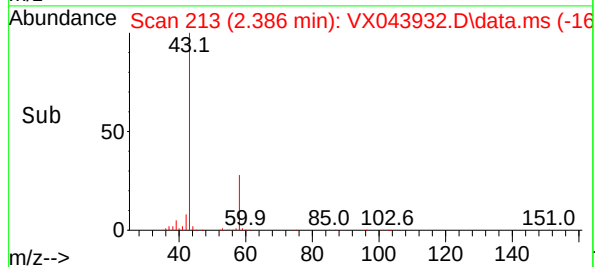
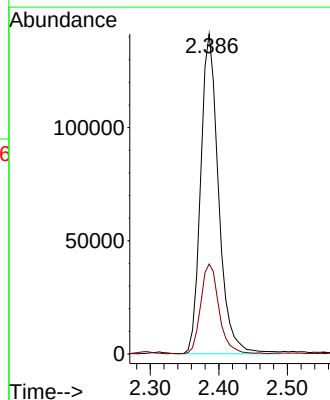
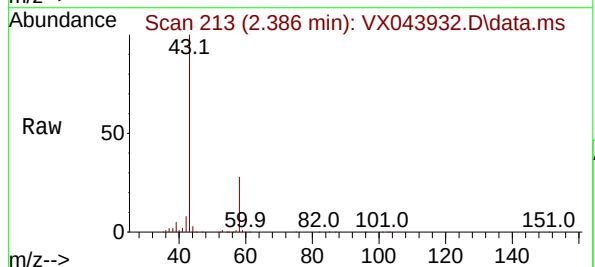
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802

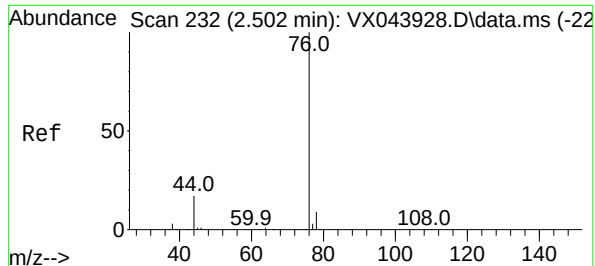
Ion Ratio Lower Upper

43 100

58 28.0 22.7 34.1







#17

Carbon Disulfide

Concen: 49.375 ug/l

RT: 2.496 min Scan# 24

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 76 Resp: 153820

Ion Ratio Lower Upper

76 100

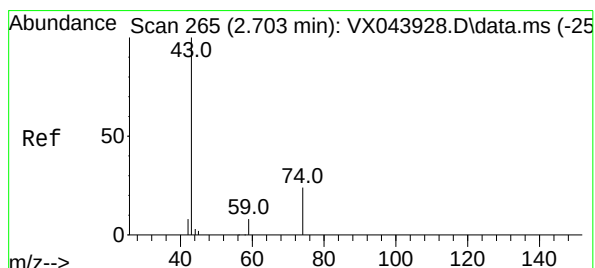
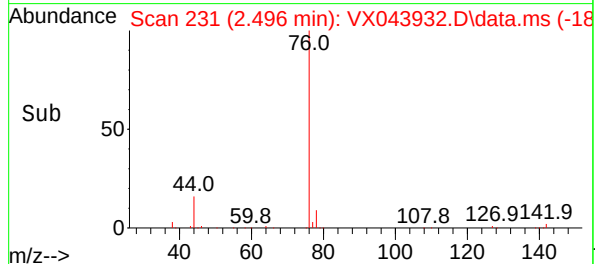
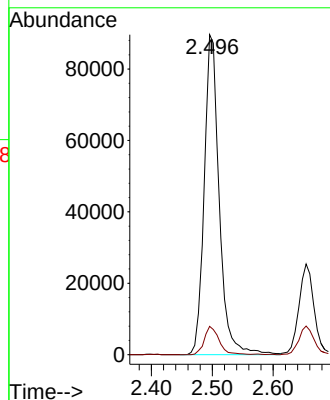
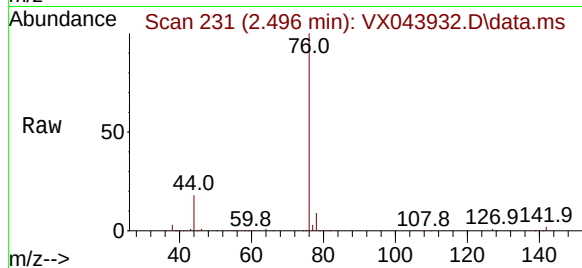
78 8.9 7.0 10.6

Manual Integrations

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Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#18

Methyl Acetate

Concen: 50.643 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043932.D

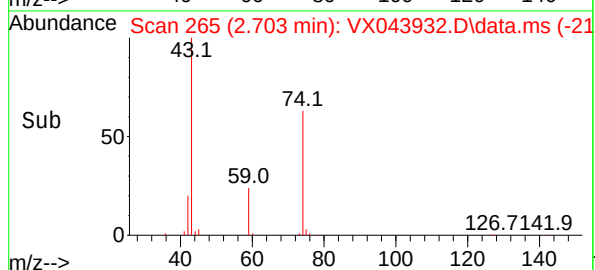
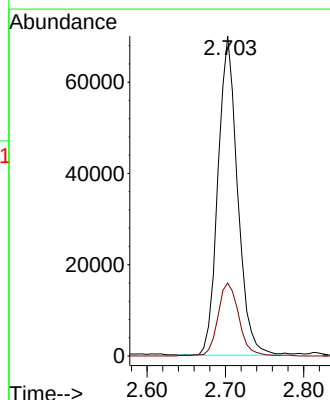
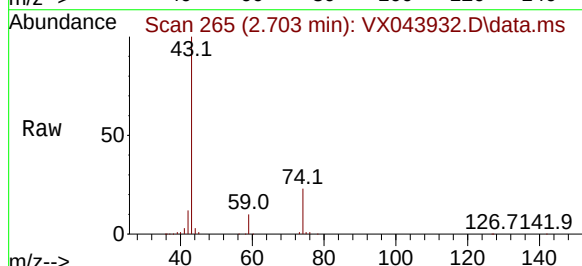
Acq: 21 Nov 2024 13:57

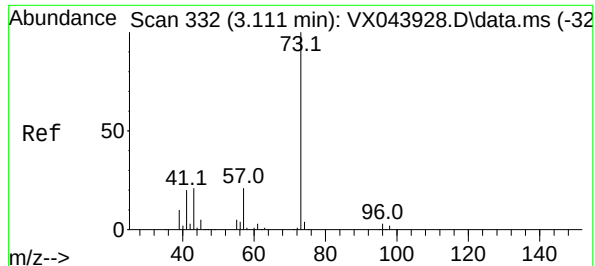
Tgt Ion: 43 Resp: 121774

Ion Ratio Lower Upper

43 100

74 24.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 50.186 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 73 Resp: 27522

Ion Ratio Lower Upper

73 100

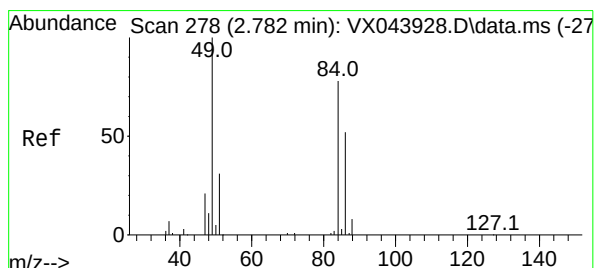
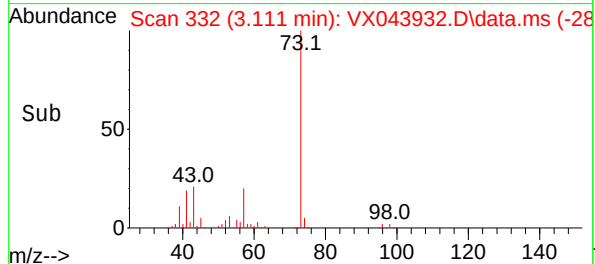
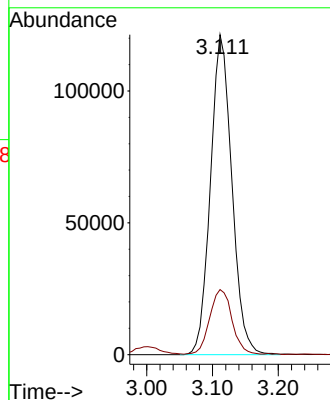
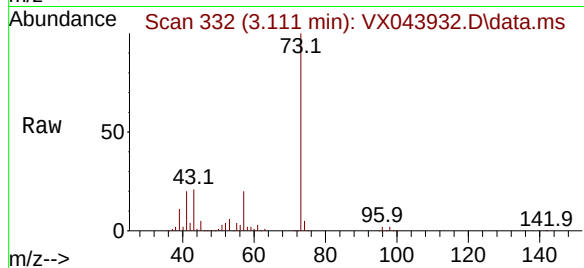
57 20.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#20

Methylene Chloride

Concen: 46.954 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

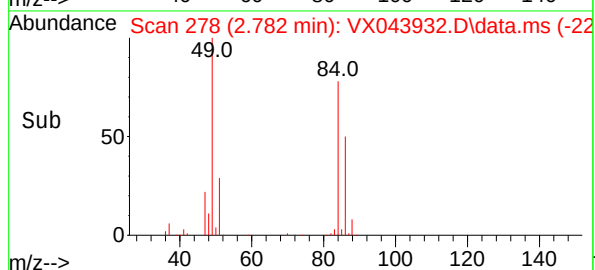
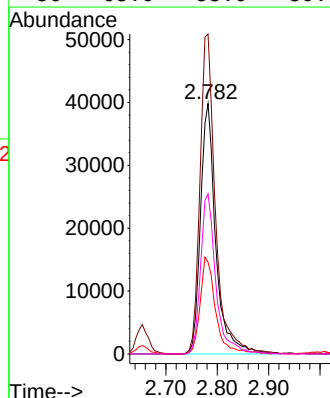
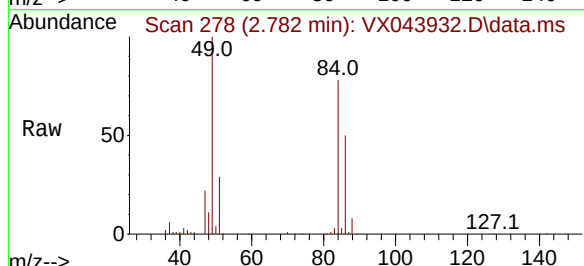
Ion Ratio Lower Upper

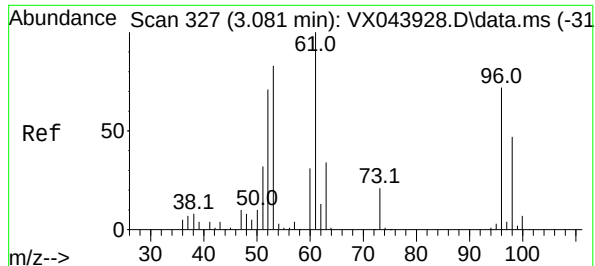
84 100

49 127.8 102.7 154.1

51 36.6 31.7 47.5

86 63.9 53.9 80.9





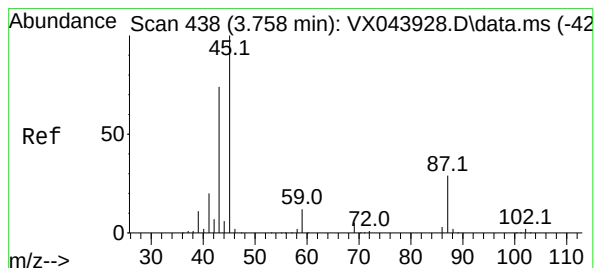
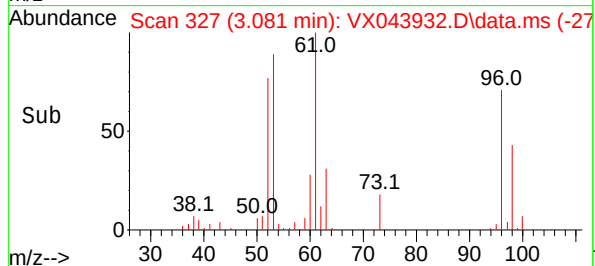
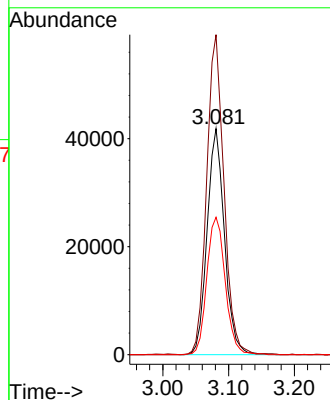
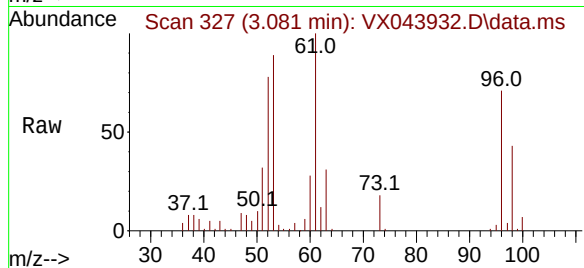
#21  
trans-1,2-Dichloroethene  
Concen: 49.179 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion: 96 Resp: 7668  
Ion Ratio Lower Upper  
96 100  
61 141.5 111.8 167.6  
98 60.8 52.7 79.1

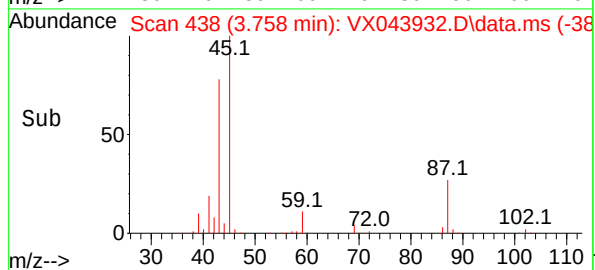
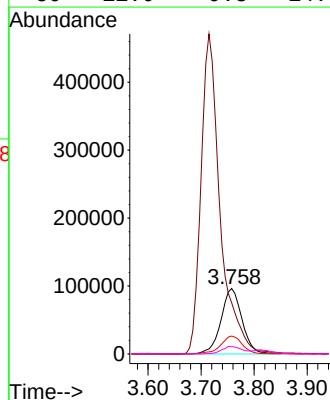
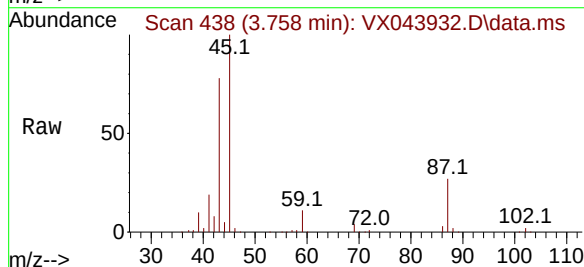
Manual Integrations  
APPROVED

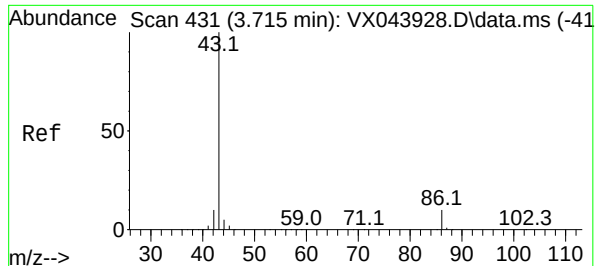
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#22  
Diisopropyl ether  
Concen: 50.132 ug/l  
RT: 3.758 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554  
Ion Ratio Lower Upper  
45 100  
43 78.0 59.6 89.4  
87 27.4 22.9 34.3  
59 11.0 9.8 14.6





#23

Vinyl Acetate

Concen: 263.441 ug/l

RT: 3.715 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 118924

Ion Ratio Lower Upper

43 100

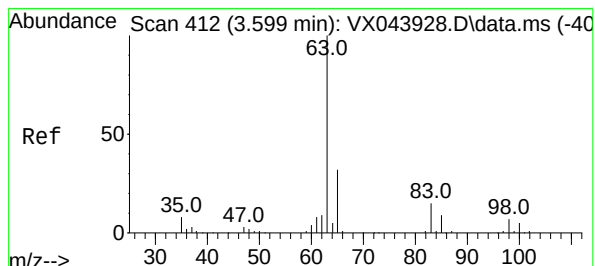
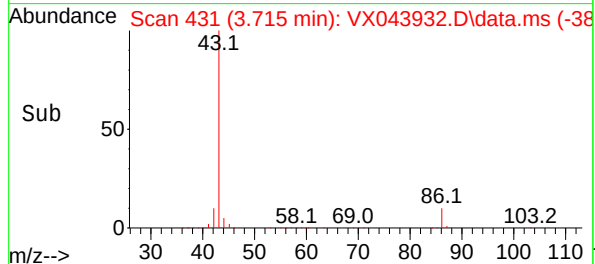
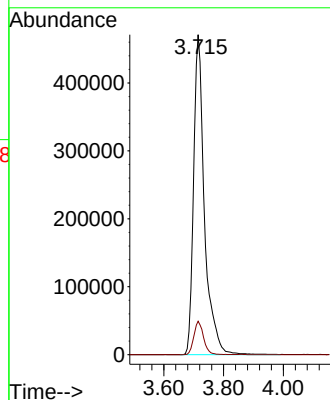
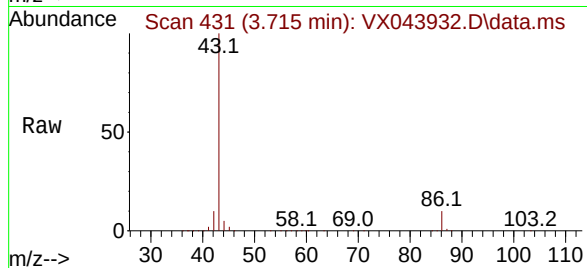
86 10.5 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#24

1,1-Dichloroethane

Concen: 50.466 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

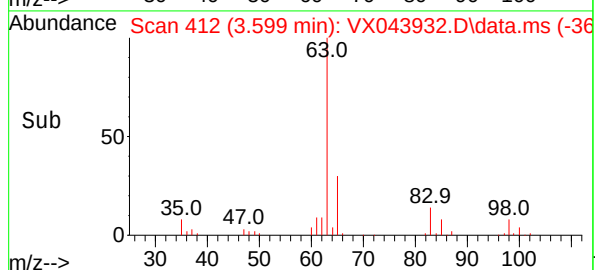
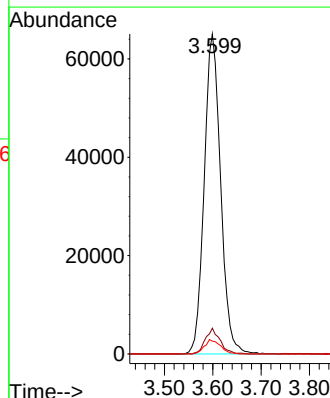
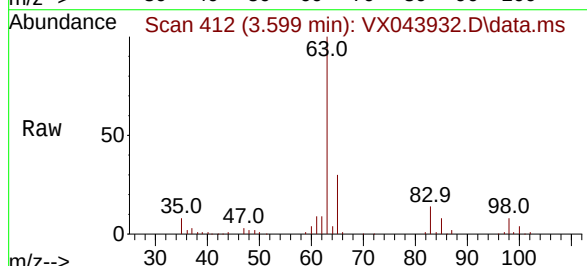
Tgt Ion: 63 Resp: 153635

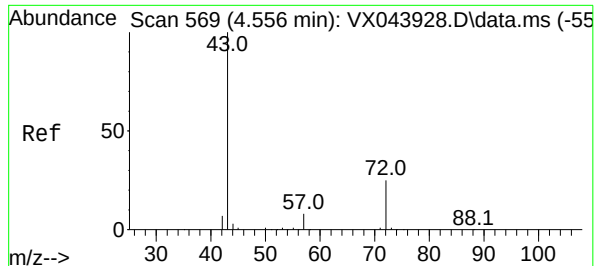
Ion Ratio Lower Upper

63 100

98 8.0 3.5 10.6

100 4.0 2.4 7.1





#25

2-Butanone

Concen: 261.804 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 34880

Ion Ratio Lower Upper

43 100

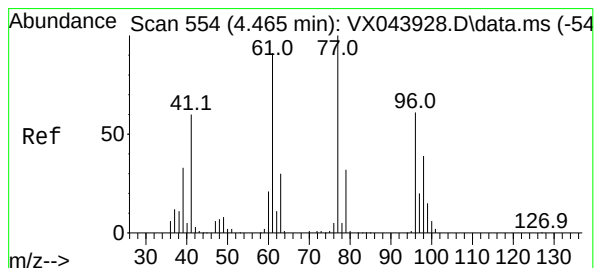
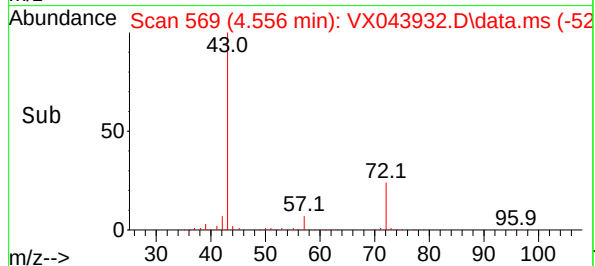
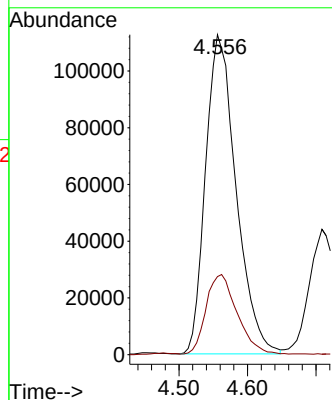
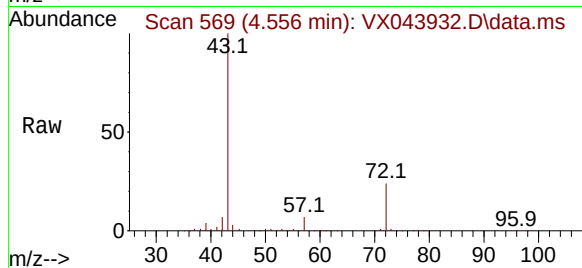
72 24.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#26

2,2-Dichloropropane

Concen: 52.343 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX043932.D

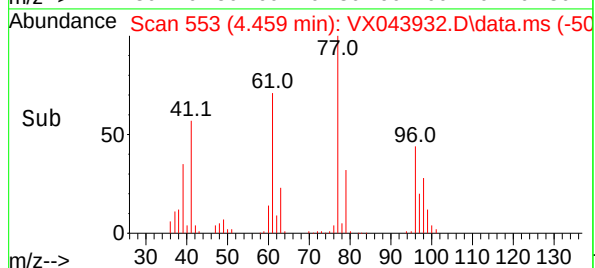
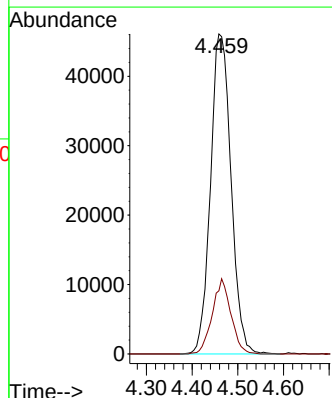
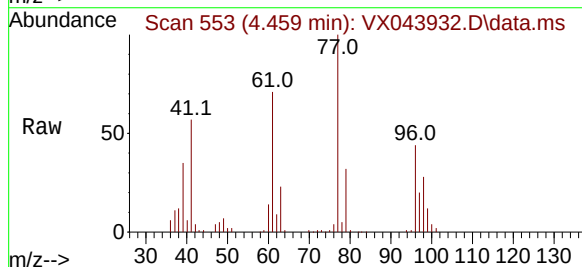
Acq: 21 Nov 2024 13:57

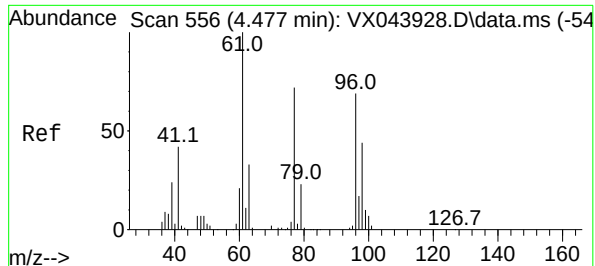
Tgt Ion: 77 Resp: 143910

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 49.326 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 96 Resp: 95070

Ion Ratio Lower Upper

96 100

61 149.6 0.0 297.4

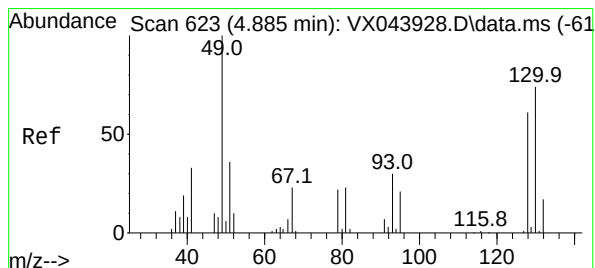
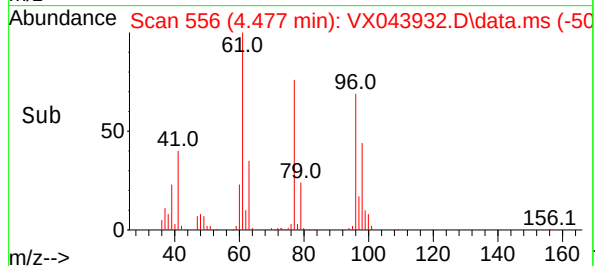
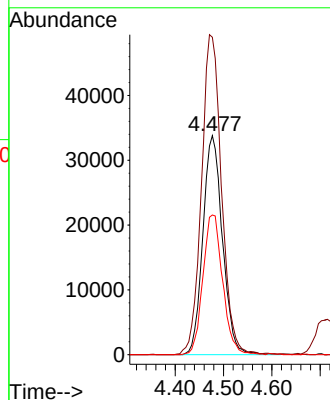
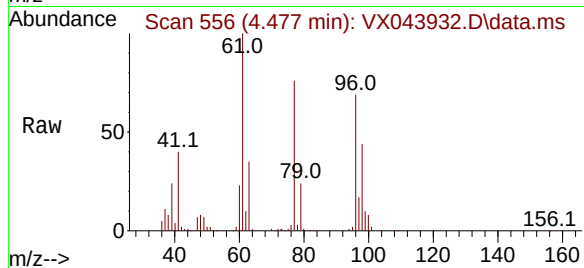
98 64.3 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#28

Bromochloromethane

Concen: 46.920 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

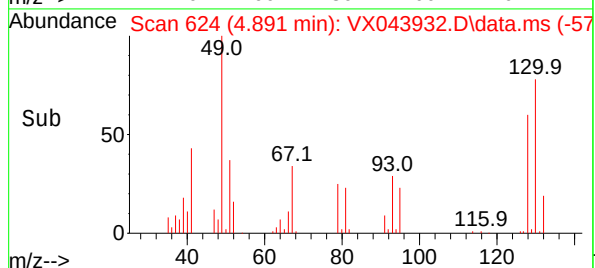
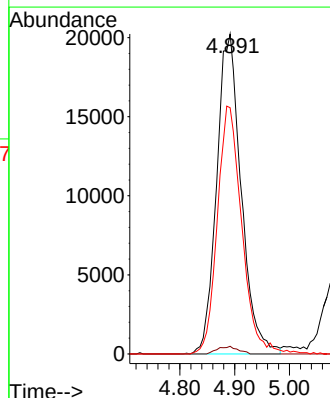
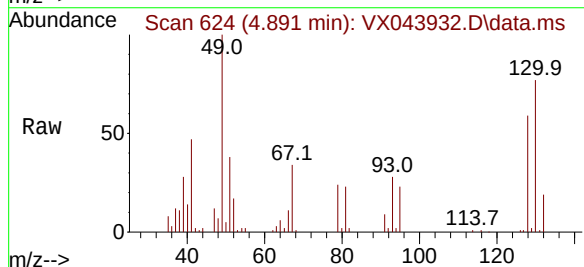
Tgt Ion: 49 Resp: 62874

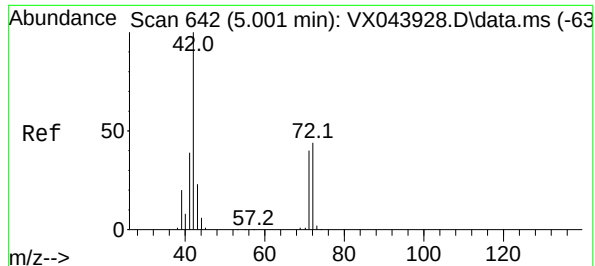
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 77.3 59.0 88.6





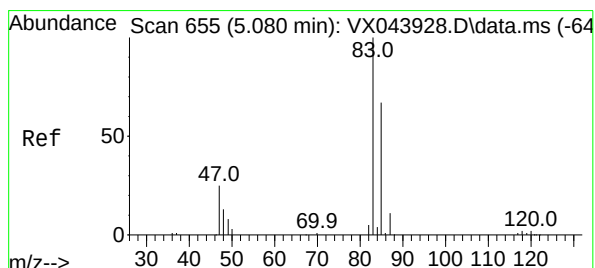
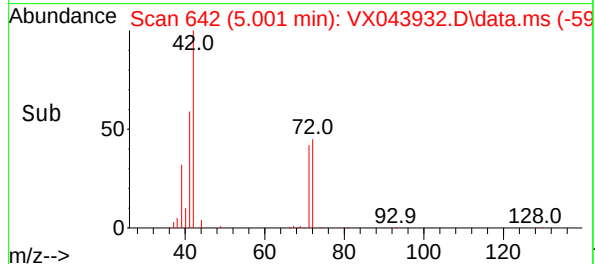
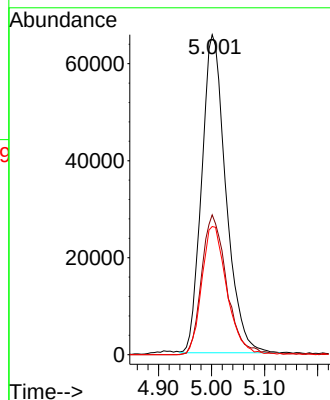
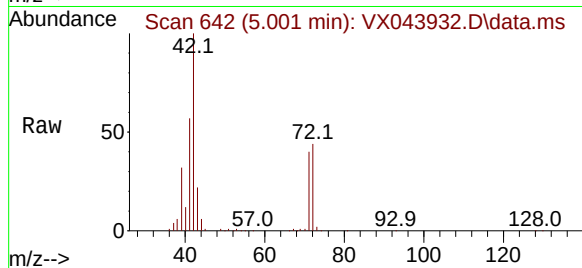
#29  
Tetrahydrofuran  
Concen: 254.585 ug/l  
RT: 5.001 min Scan# 642  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion: 42 Resp: 207942  
Ion Ratio Lower Upper  
42 100  
72 45.6 36.4 54.6  
71 42.0 33.4 50.0

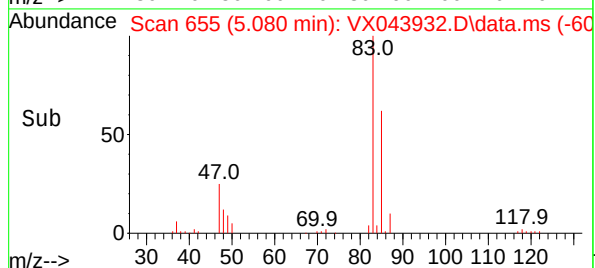
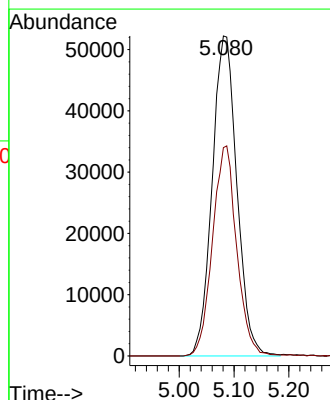
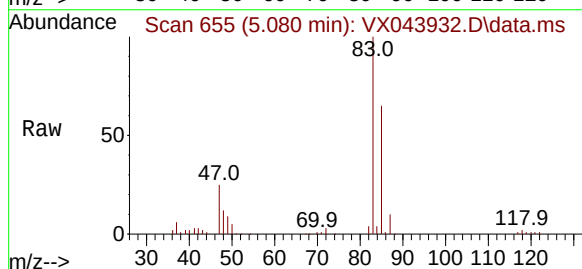
Manual Integrations  
APPROVED

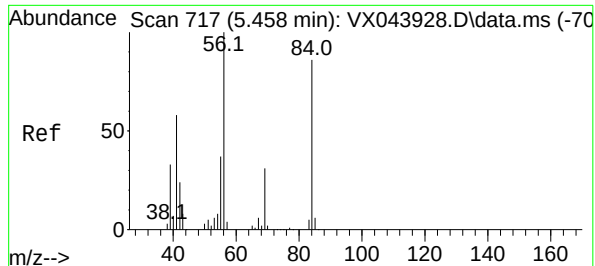
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#30  
Chloroform  
Concen: 49.891 ug/l  
RT: 5.080 min Scan# 655  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 83 Resp: 163357  
Ion Ratio Lower Upper  
83 100  
85 65.1 53.5 80.3





#31

Cyclohexane

Concen: 51.278 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043932.D

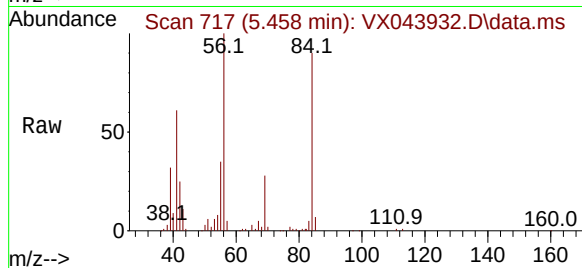
Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124



Tgt Ion: 56 Resp: 12848

Ion Ratio Lower Upper

56 100

69 28.2 24.7 37.1

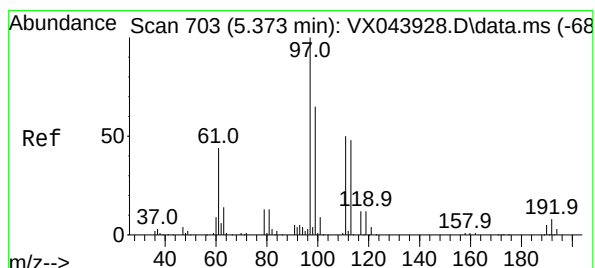
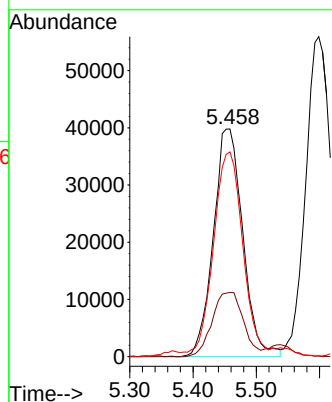
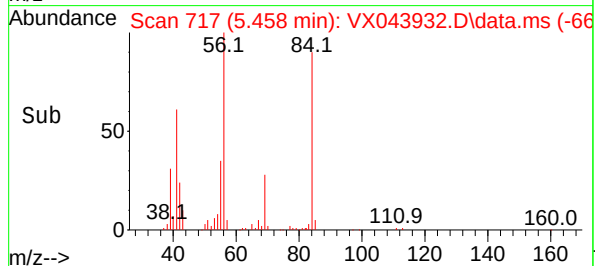
84 88.1 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#32

1,1,1-Trichloroethane

Concen: 51.320 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

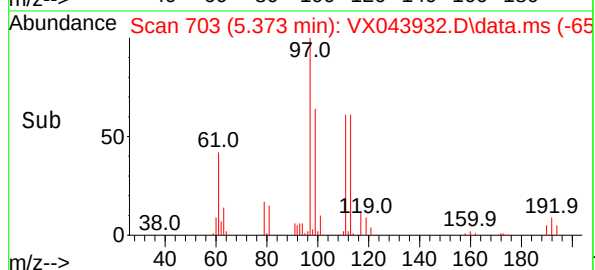
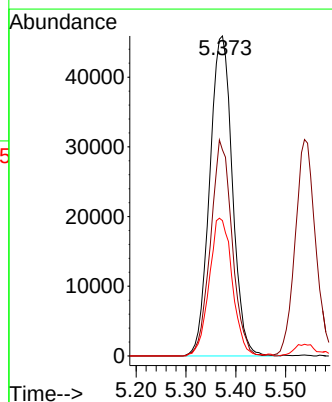
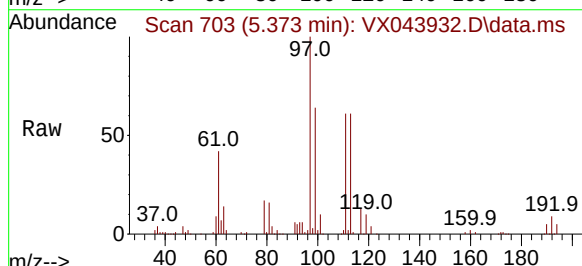
Tgt Ion: 97 Resp: 144908

Ion Ratio Lower Upper

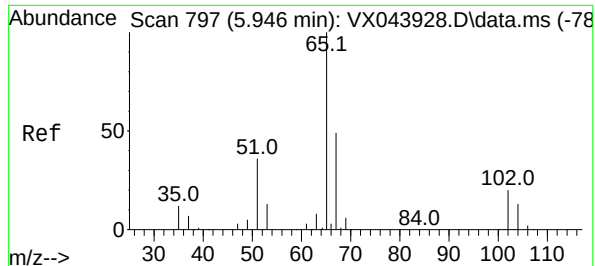
97 100

99 64.3 50.8 76.2

61 43.8 35.4 53.2







#33

1,2-Dichloroethane-d4

Concen: 50.183 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 65 Resp: 112818

Ion Ratio Lower Upper

65 100

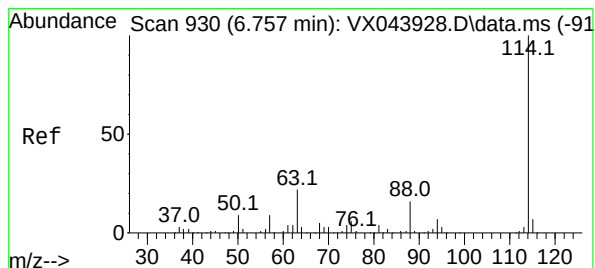
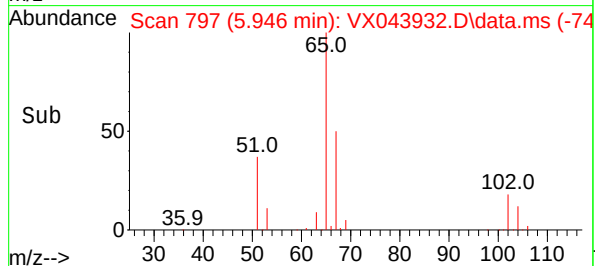
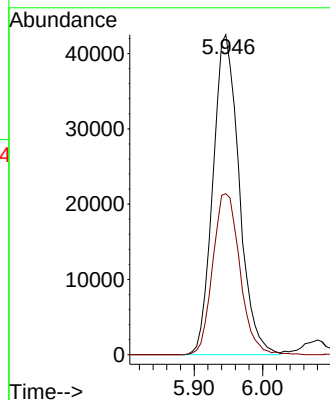
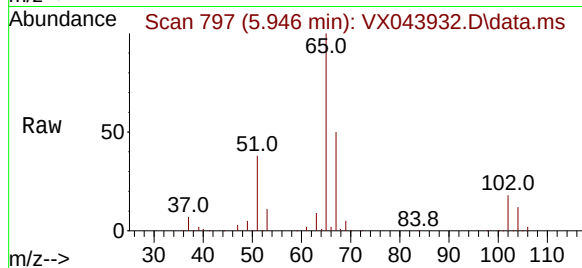
67 52.2 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

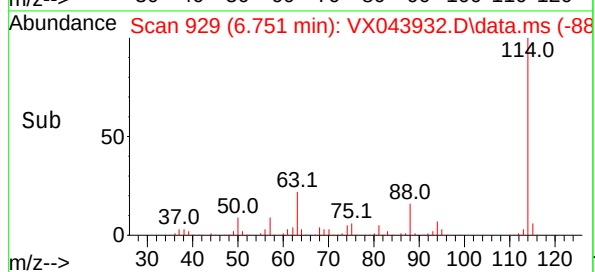
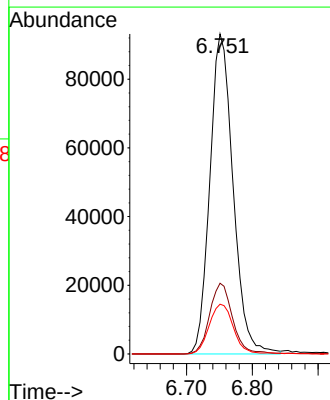
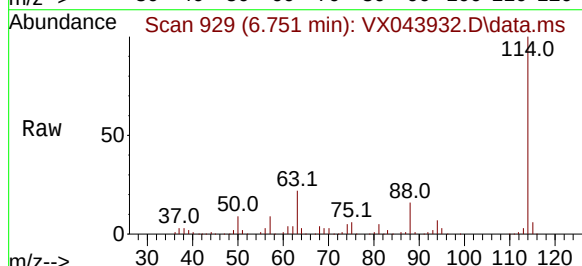
Tgt Ion:114 Resp: 229009

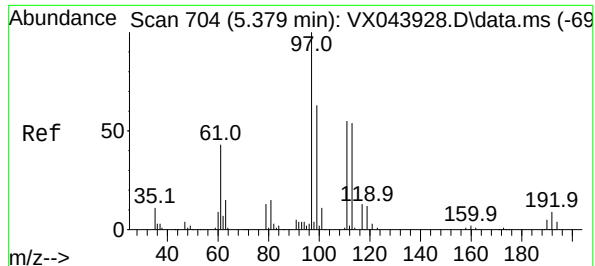
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 15.6 0.0 32.4





#35

Dibromofluoromethane

Concen: 52.442 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:113 Resp: 85815

Ion Ratio Lower Upper

113 100

111 99.9 81.0 121.4

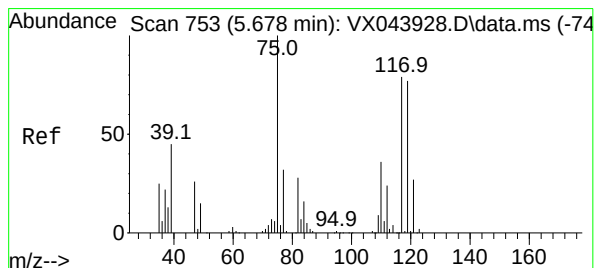
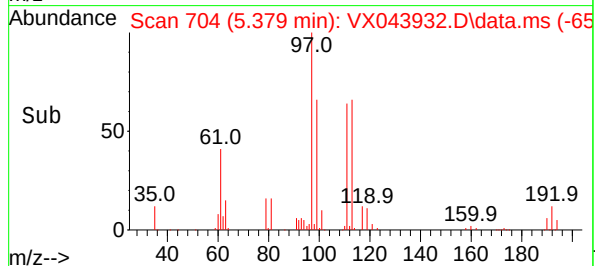
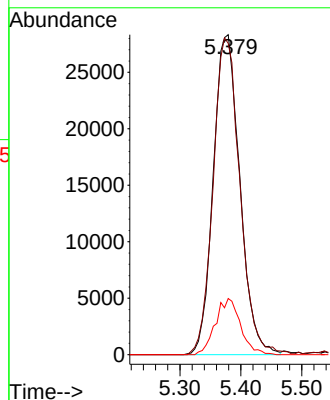
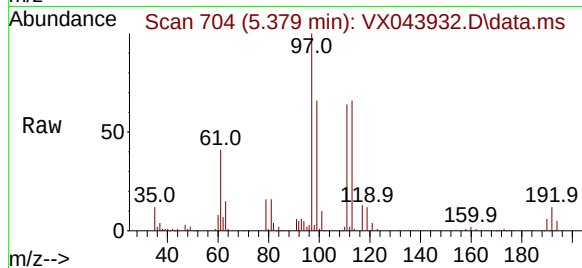
192 16.6 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#36

1,1-Dichloropropene

Concen: 53.218 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

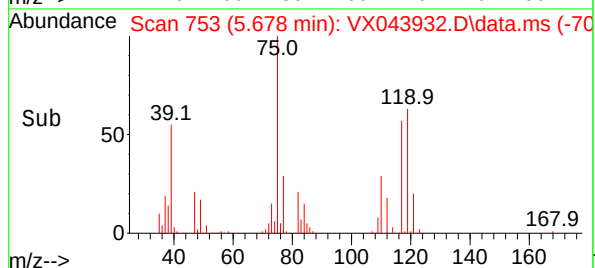
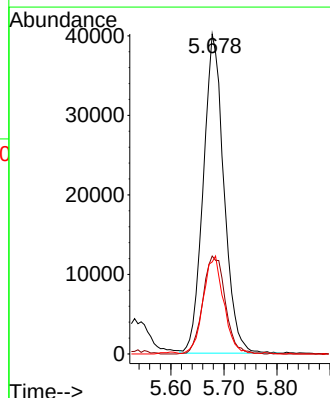
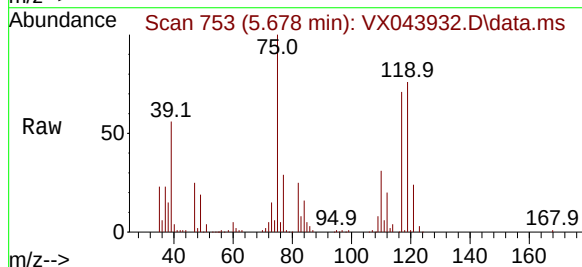
Tgt Ion: 75 Resp: 108518

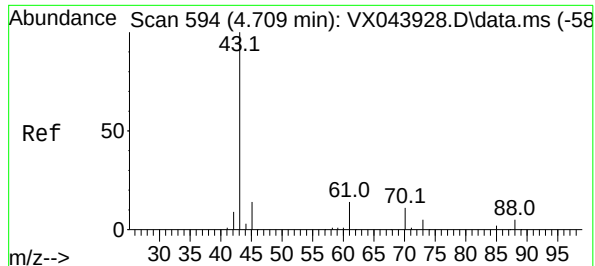
Ion Ratio Lower Upper

75 100

110 33.4 17.4 52.2

77 30.3 25.8 38.8





#37

Ethyl Acetate

Concen: 52.656 ug/l

RT: 4.709 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 133283

Ion Ratio Lower Upper

43 100

61 12.2 10.7 16.1

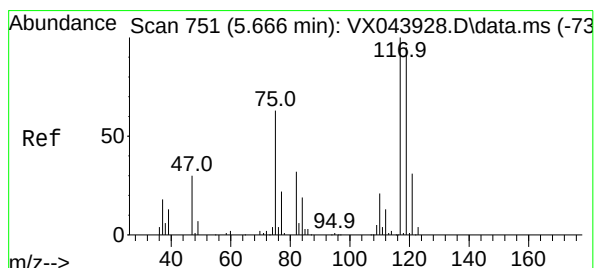
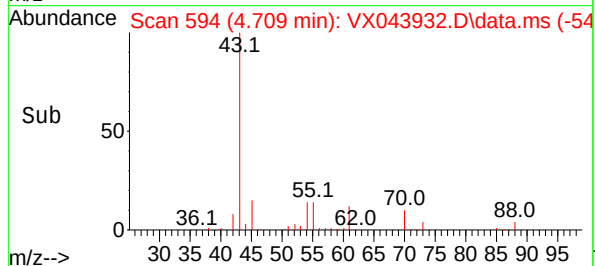
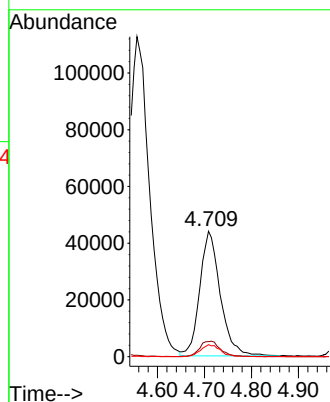
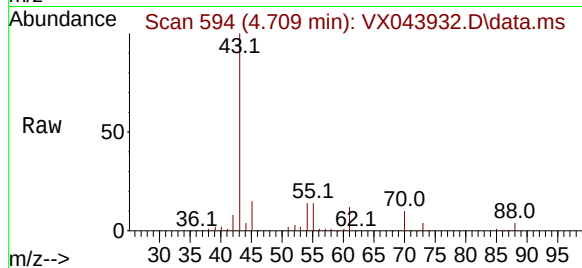
70 9.3 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#38

Carbon Tetrachloride

Concen: 51.786 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

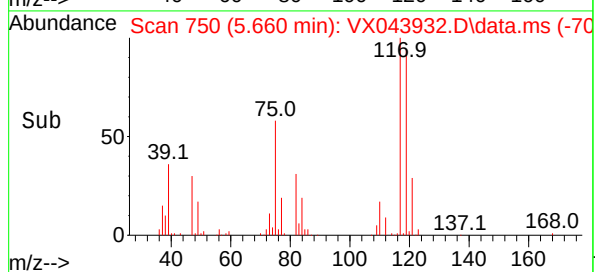
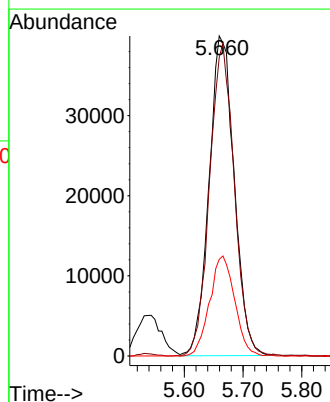
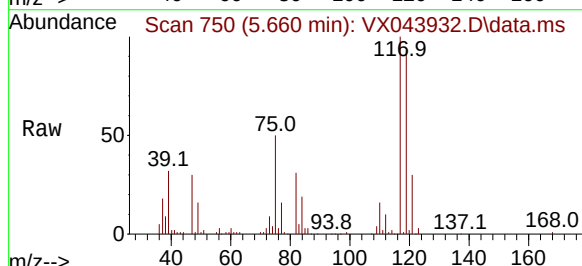
Tgt Ion:117 Resp: 118655

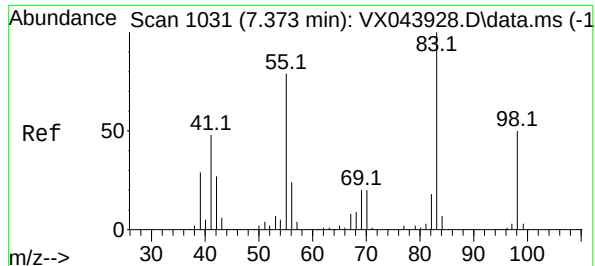
Ion Ratio Lower Upper

117 100

119 93.5 75.2 112.8

121 30.3 24.5 36.7





#39

Methylcyclohexane

Concen: 53.489 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 83 Resp: 141690

Ion Ratio Lower Upper

83 100

55 70.0 63.1 94.7

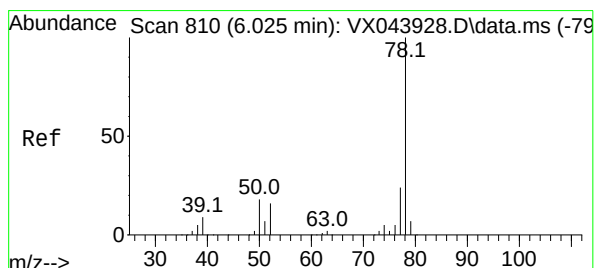
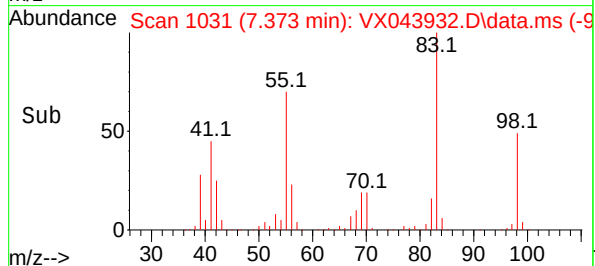
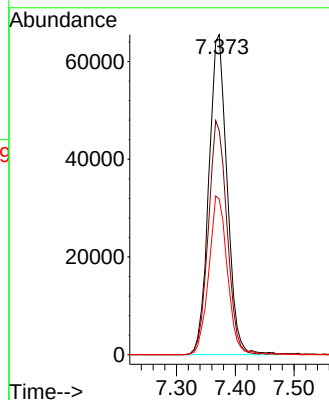
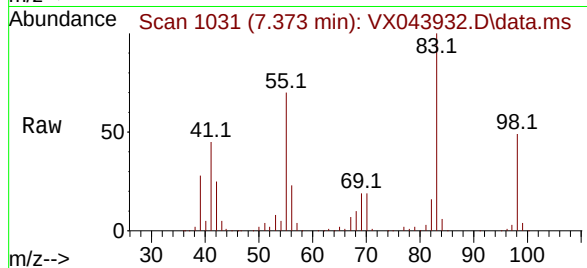
98 48.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#40

Benzene

Concen: 50.257 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX043932.D

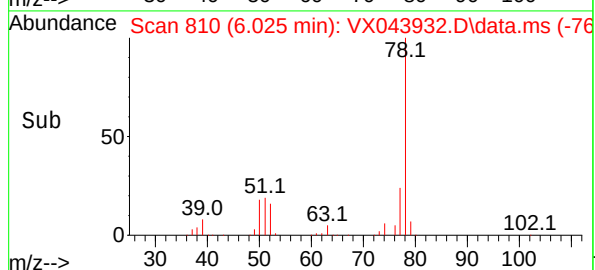
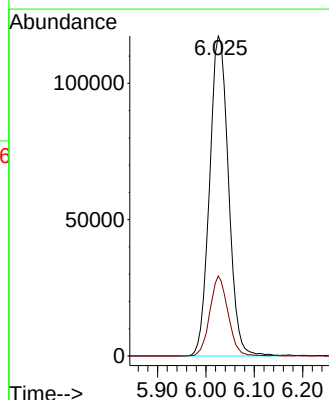
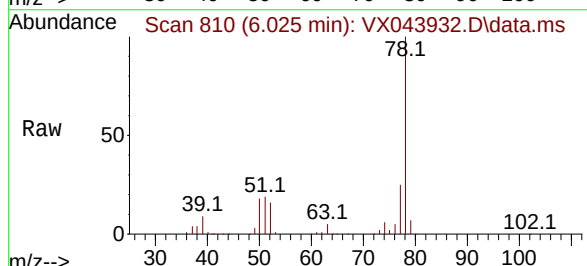
Acq: 21 Nov 2024 13:57

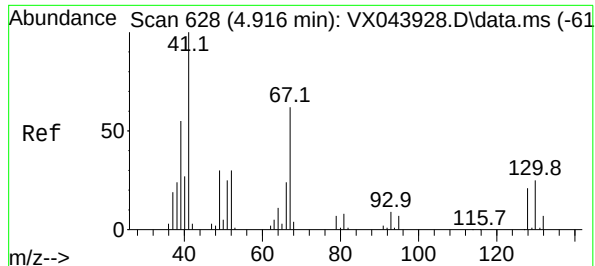
Tgt Ion: 78 Resp: 319222

Ion Ratio Lower Upper

78 100

77 25.0 19.2 28.8





#41

Methacrylonitrile

Concen: 53.851 ug/l

RT: 4.916 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 41 Resp: 69760

Ion Ratio Lower Upper

41 100

39 53.2 41.7 62.5

67 70.1 55.8 83.8

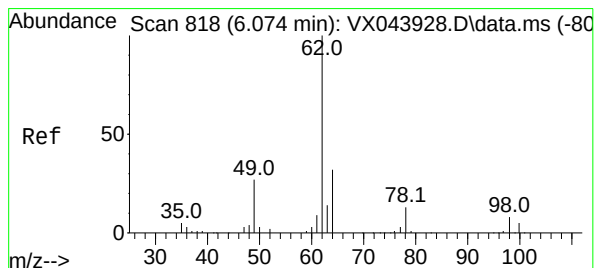
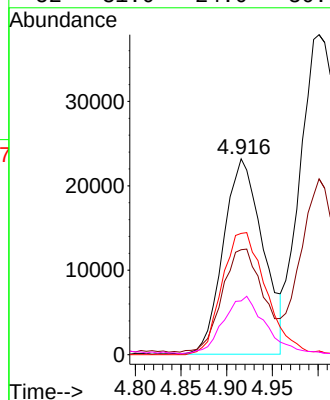
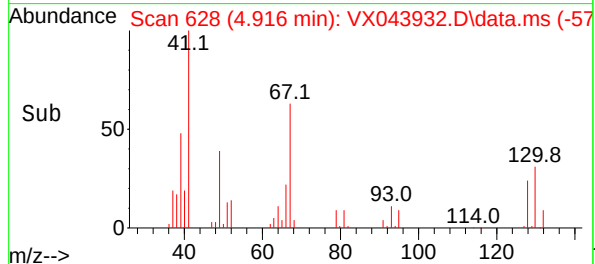
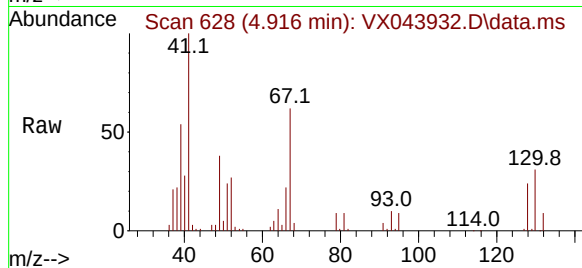
52 31.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#42

1,2-Dichloroethane

Concen: 50.421 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX043932.D

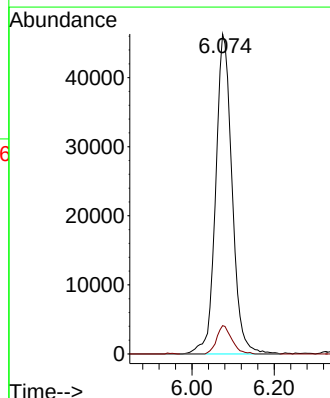
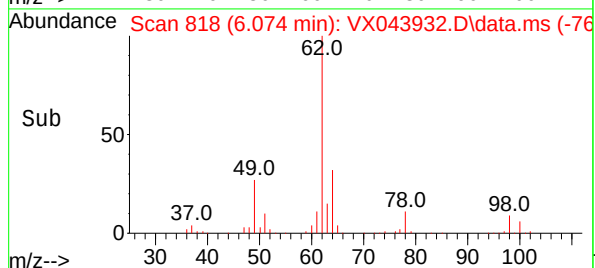
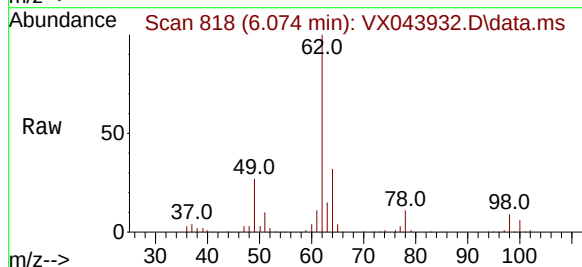
Acq: 21 Nov 2024 13:57

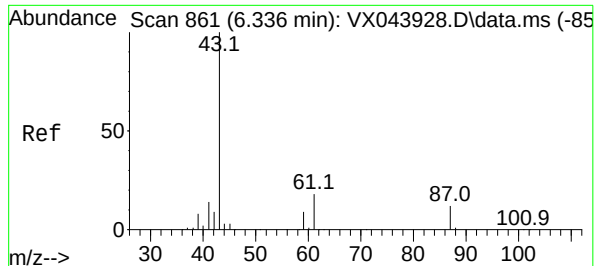
Tgt Ion: 62 Resp: 128623

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 51.469 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 20733

Ion Ratio Lower Upper

43 100

61 18.6 14.5 21.7

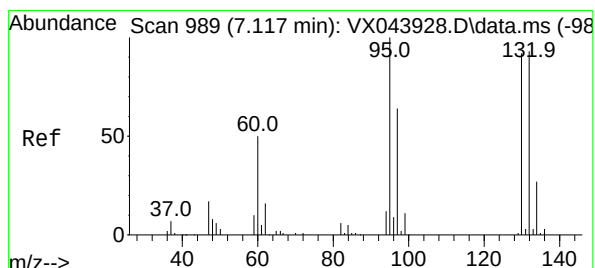
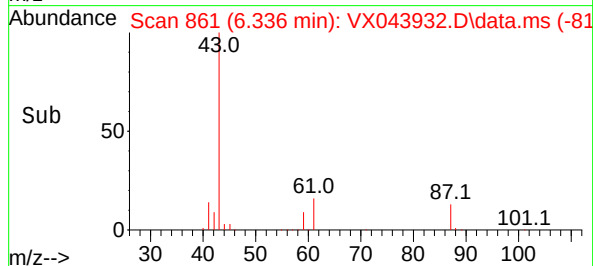
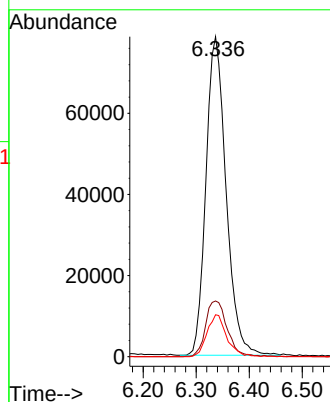
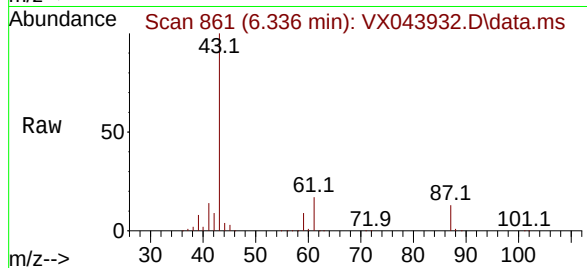
87 12.9 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#44

Trichloroethene

Concen: 44.554 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043932.D

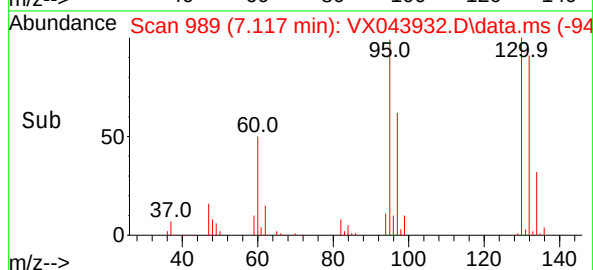
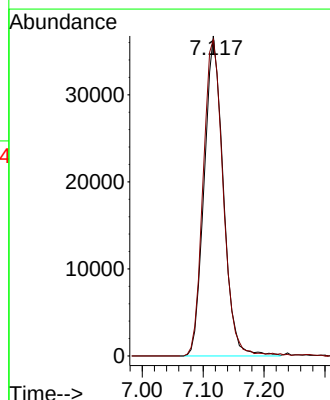
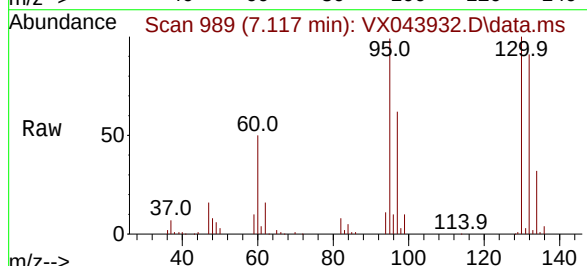
Acq: 21 Nov 2024 13:57

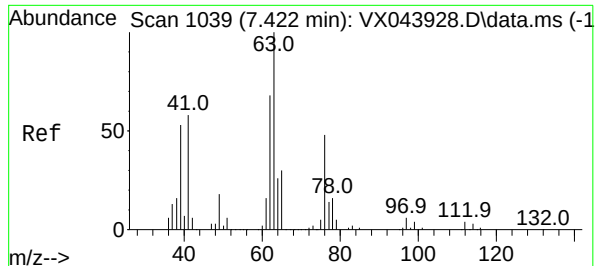
Tgt Ion:130 Resp: 80113

Ion Ratio Lower Upper

130 100

95 98.9 0.0 217.8





#45

1,2-Dichloropropane

Concen: 47.811 ug/l

RT: 7.422 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 63 Resp: 74380

Ion Ratio Lower Upper

63 100

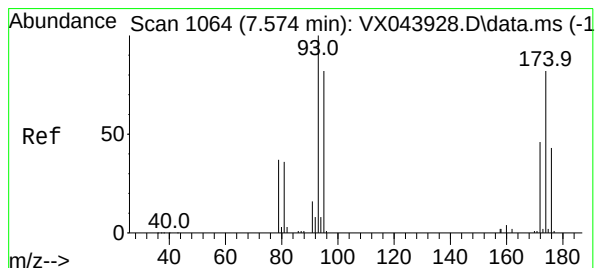
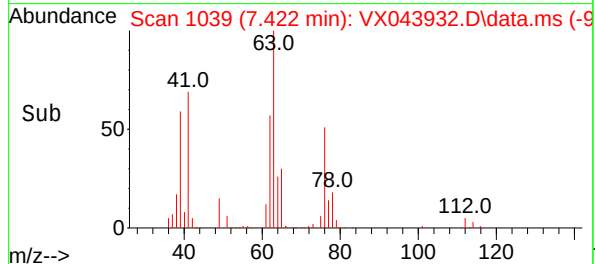
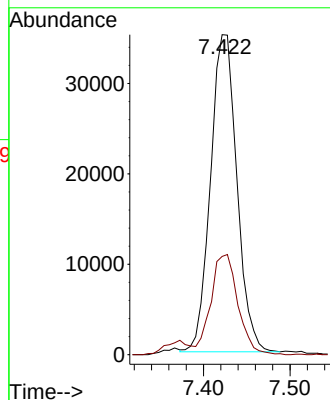
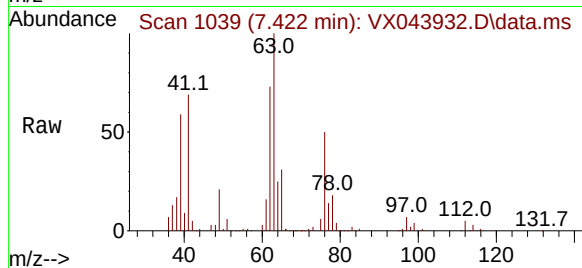
65 30.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#46

Dibromomethane

Concen: 50.662 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

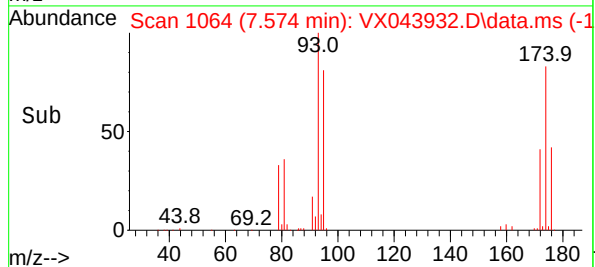
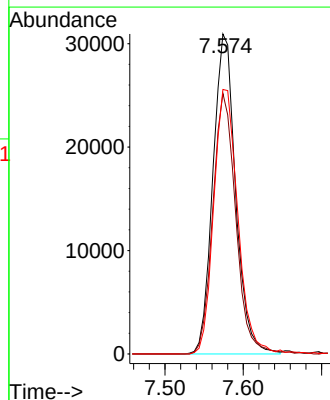
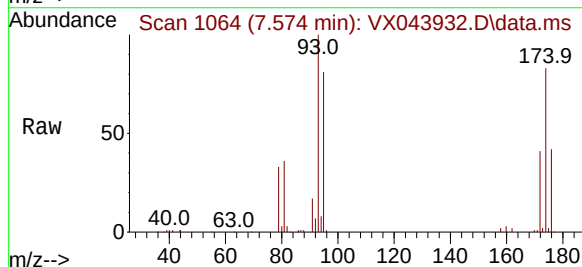
Tgt Ion: 93 Resp: 62345

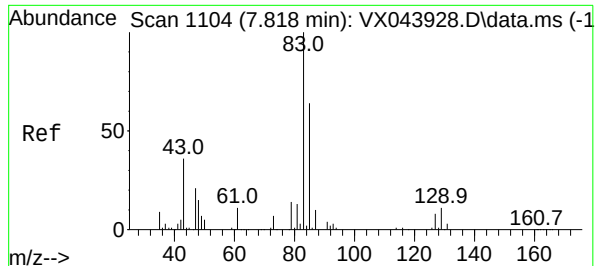
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.2 69.6 104.4





#47

Bromodichloromethane

Concen: 52.648 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX112124

Tgt Ion: 83 Resp: 116199

Ion Ratio Lower Upper

83 100

85 63.0 51.4 77.0

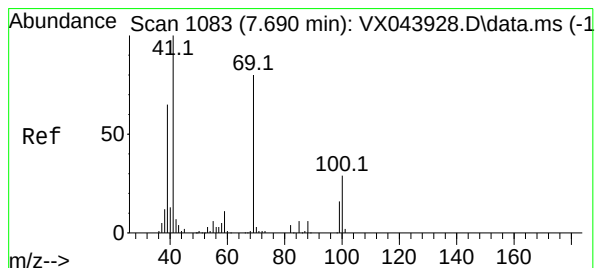
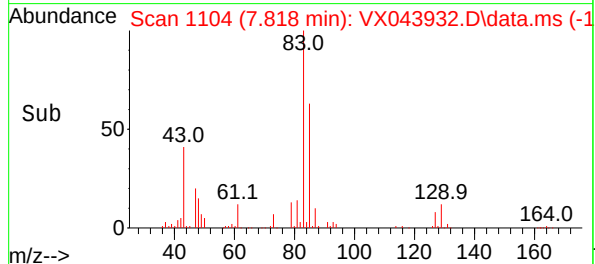
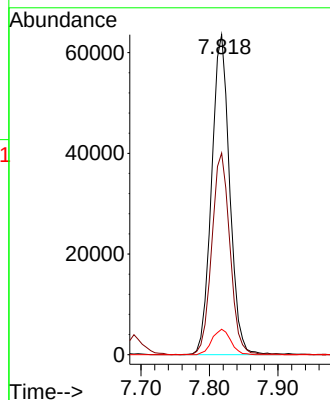
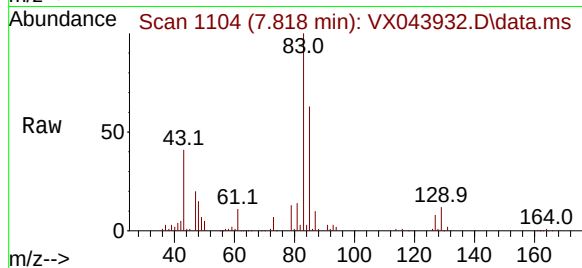
127 8.0 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#48

Methyl methacrylate

Concen: 52.284 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

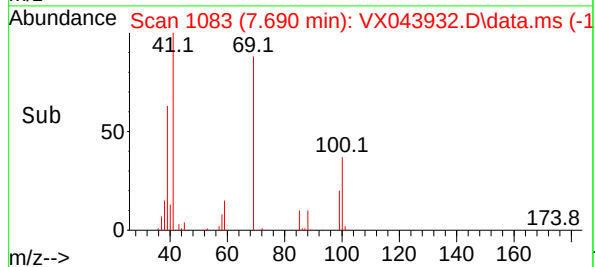
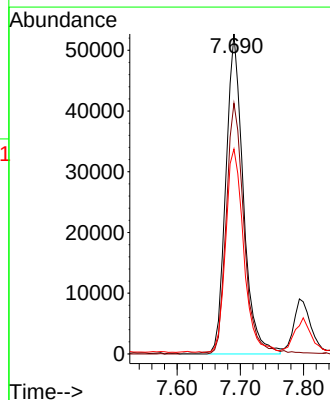
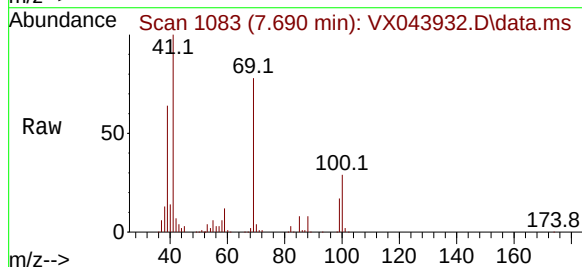
Tgt Ion: 41 Resp: 101062

Ion Ratio Lower Upper

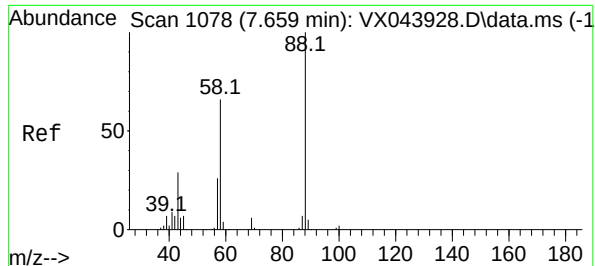
41 100

69 80.0 64.6 97.0

39 65.2 53.3 79.9







#49

1,4-Dioxane

Concen: 905.506 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 88 Resp: 31178

Ion Ratio Lower Upper

88 100

43 39.9 26.8 40.2

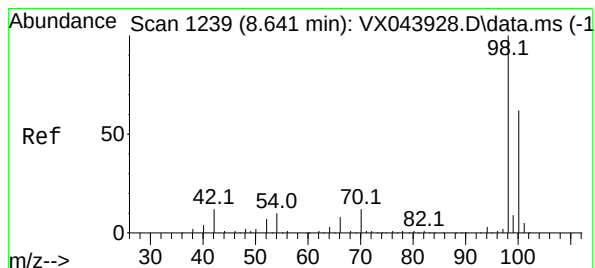
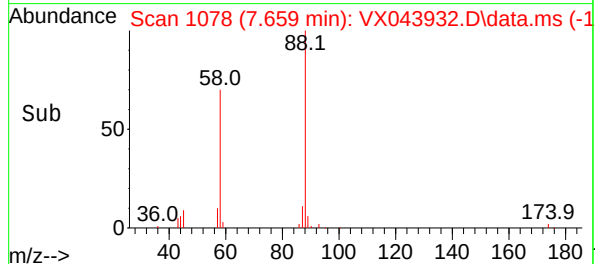
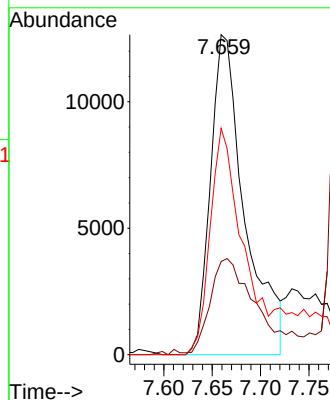
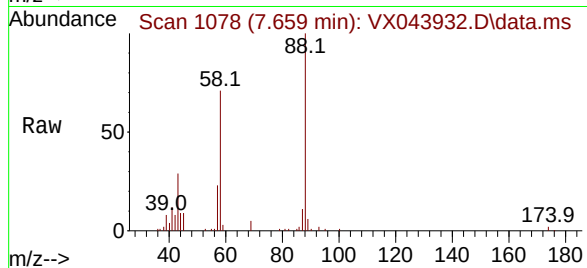
58 68.3 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#50

Toluene-d8

Concen: 51.234 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043932.D

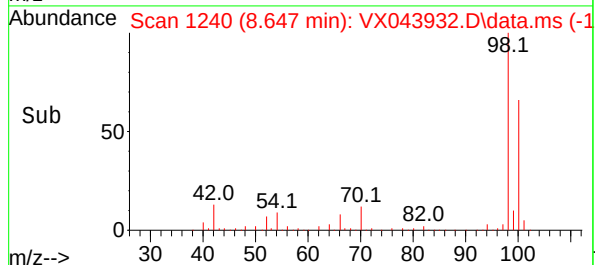
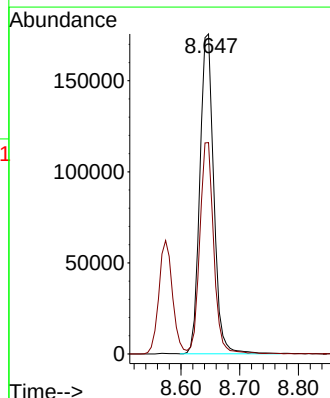
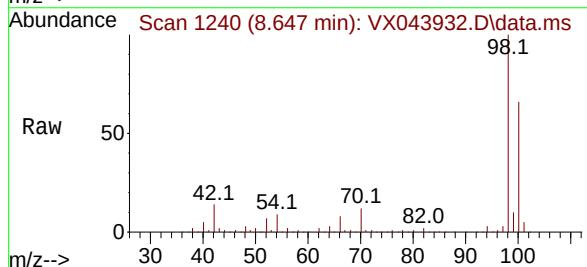
Acq: 21 Nov 2024 13:57

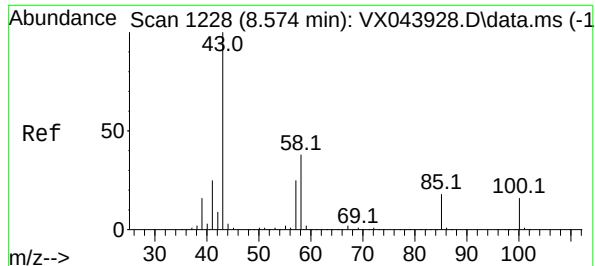
Tgt Ion: 98 Resp: 289000

Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 265.520 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 65272

Ion Ratio Lower Upper

43 100

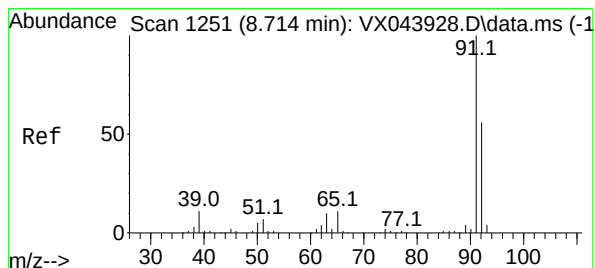
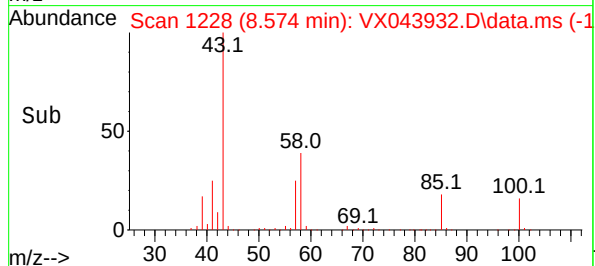
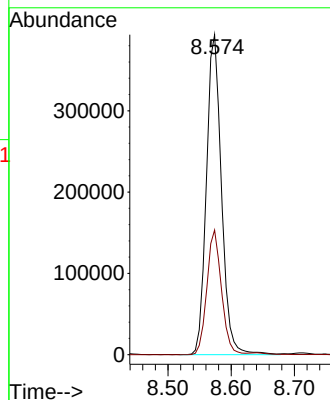
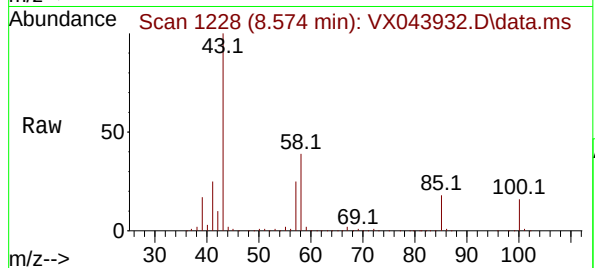
58 37.6 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#52

Toluene

Concen: 51.507 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043932.D

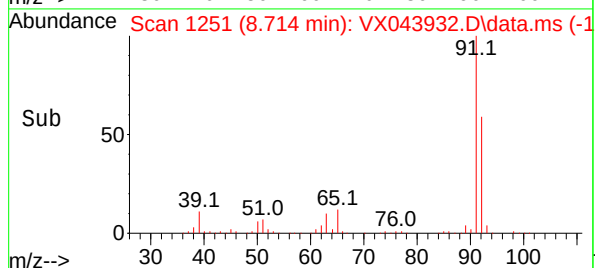
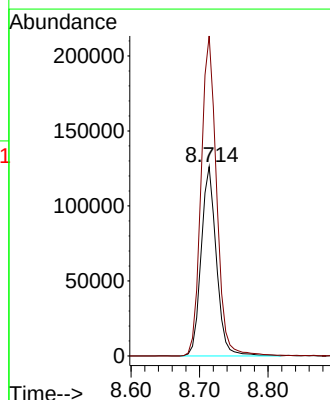
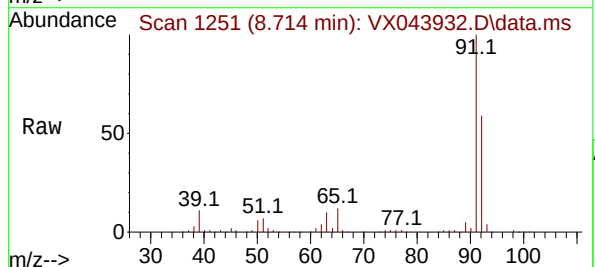
Acq: 21 Nov 2024 13:57

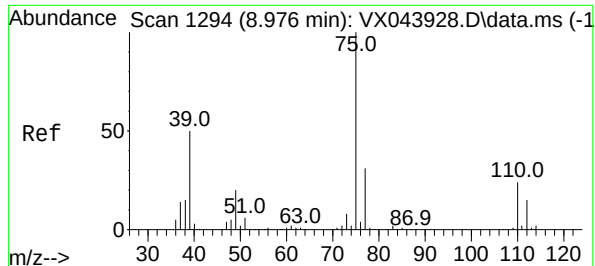
Tgt Ion: 92 Resp: 195814

Ion Ratio Lower Upper

92 100

91 172.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 53.077 ug/l

RT: 8.976 min Scan# 11946

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 75 Resp: 11946

Ion Ratio Lower Upper

75 100

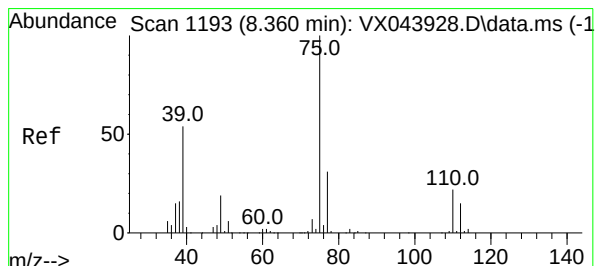
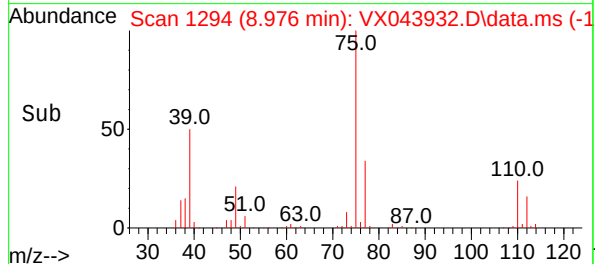
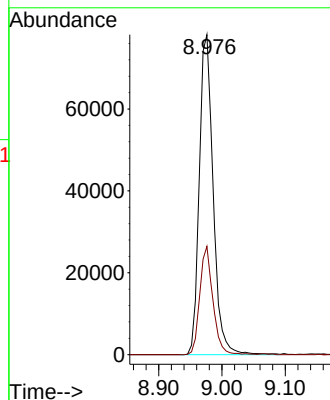
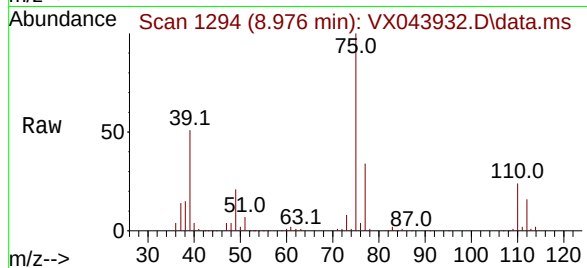
77 33.9 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#54

cis-1,3-Dichloropropene

Concen: 52.205 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

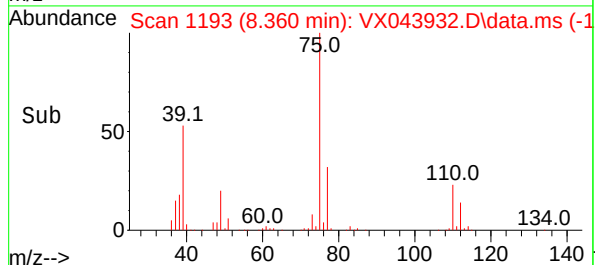
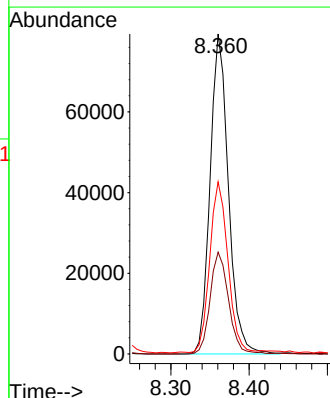
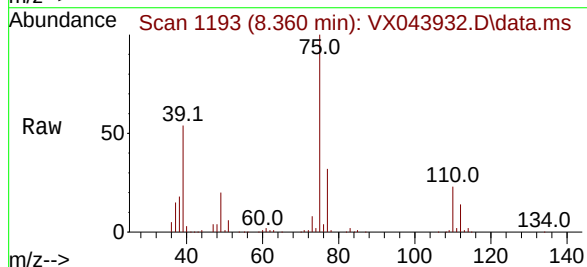
Tgt Ion: 75 Resp: 128808

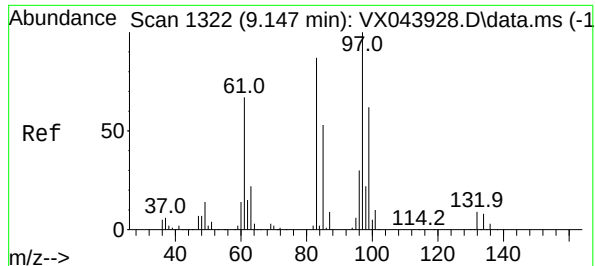
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 53.2 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 50.069 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 78579

Ion Ratio Lower Upper

97 100

83 87.0 69.4 104.0

85 57.7 42.3 63.5

99 65.8 49.6 74.4

Instrument :

MSVOA\_X

ClientSampleId :

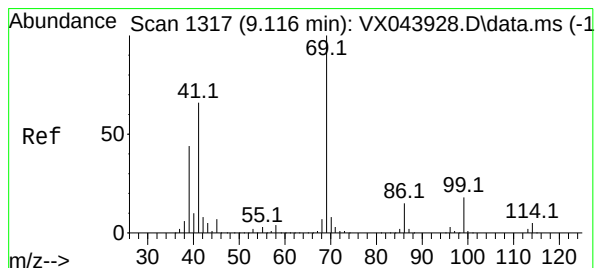
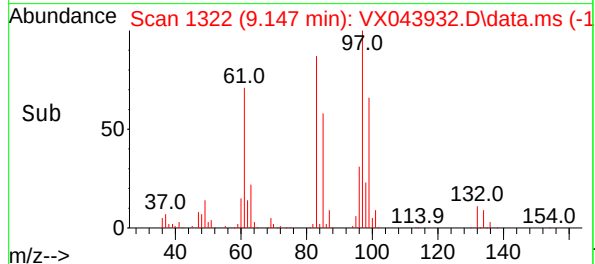
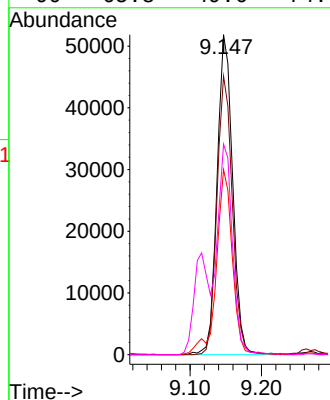
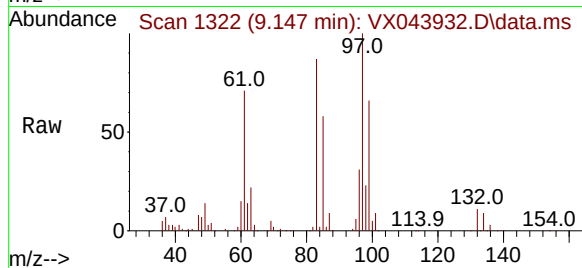
ICVX112124

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#56

Ethyl methacrylate

Concen: 53.118 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

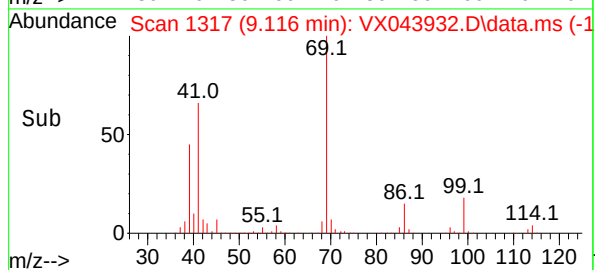
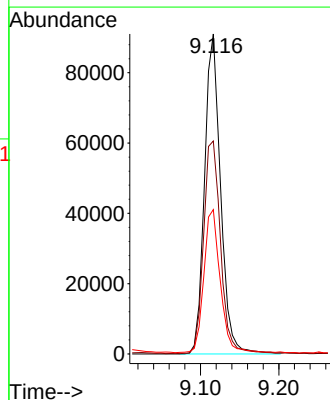
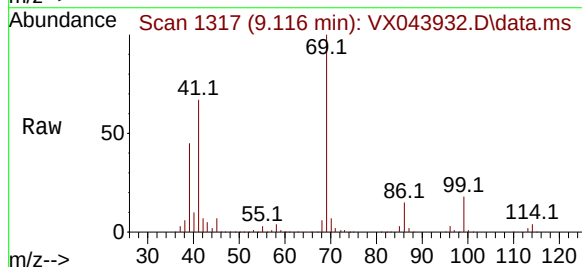
Tgt Ion: 69 Resp: 129841

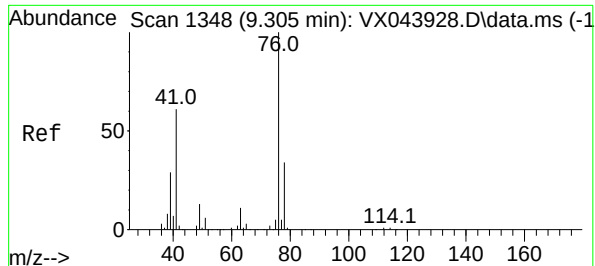
Ion Ratio Lower Upper

69 100

41 69.8 55.8 83.8

39 46.1 36.7 55.1





#57

1,3-Dichloropropane

Concen: 50.945 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 76 Resp: 134680

Ion Ratio Lower Upper

76 100

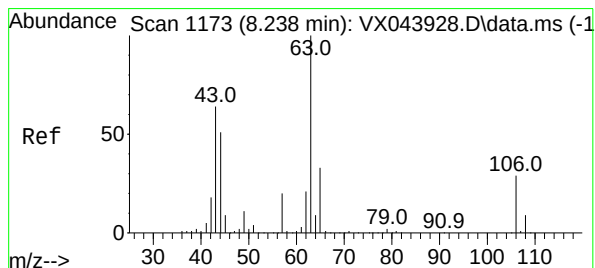
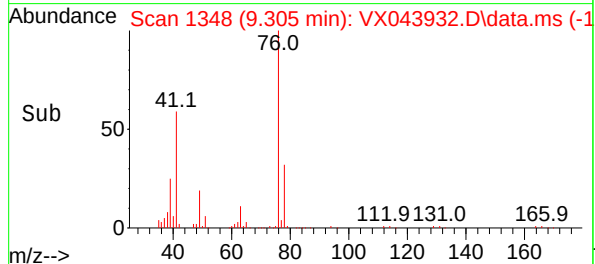
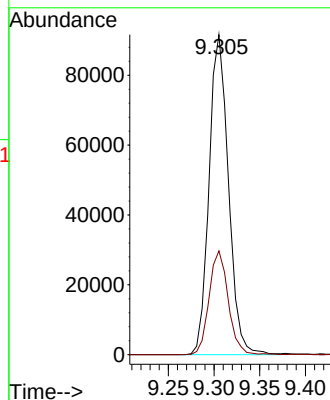
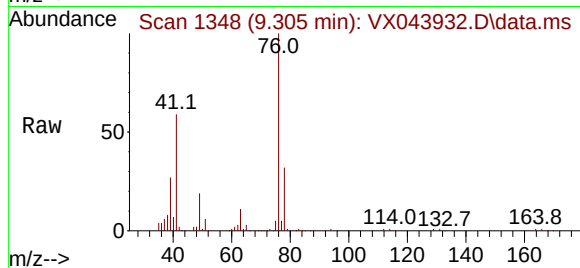
78 32.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#58

2-Chloroethyl Vinyl ether

Concen: 235.230 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043932.D

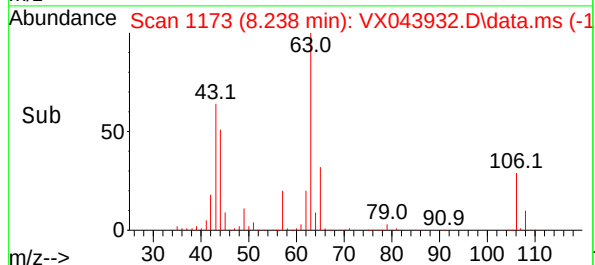
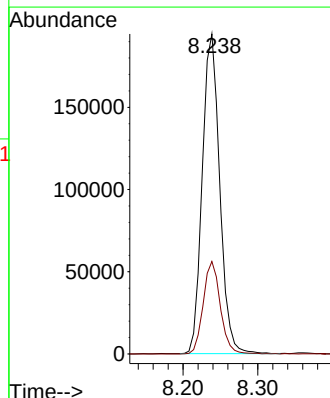
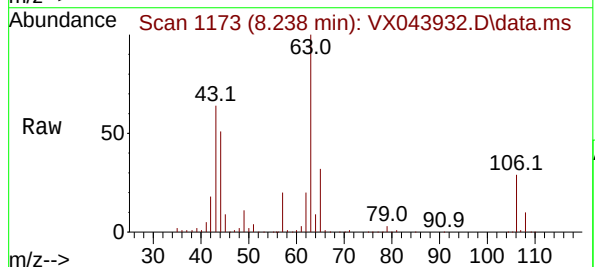
Acq: 21 Nov 2024 13:57

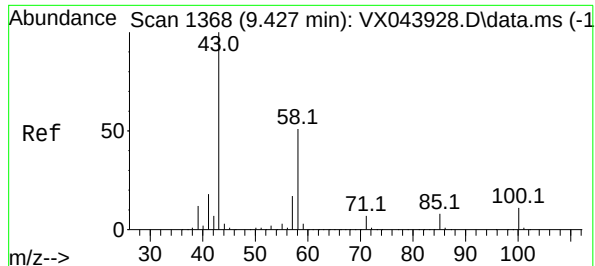
Tgt Ion: 63 Resp: 315358

Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 273.011 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 50444

Ion Ratio Lower Upper

43 100

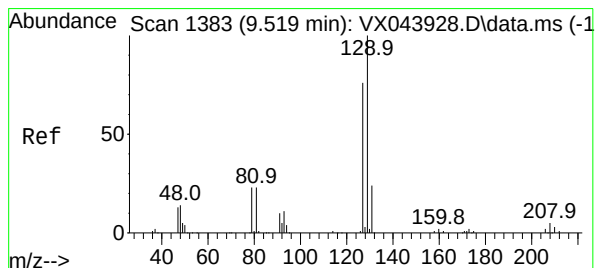
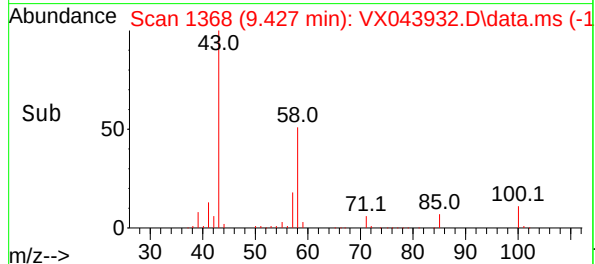
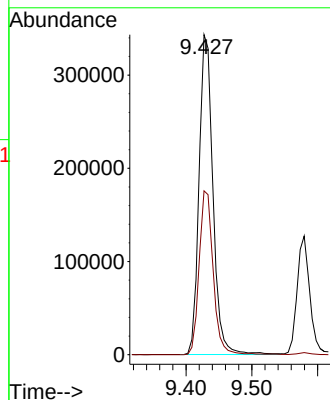
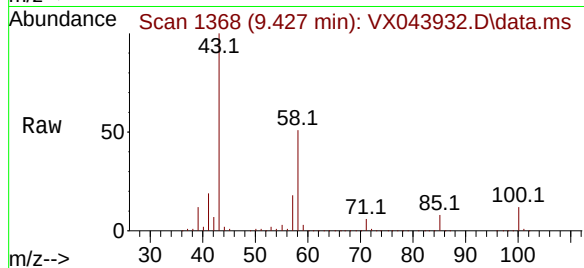
58 51.8 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#60

Dibromochloromethane

Concen: 52.557 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043932.D

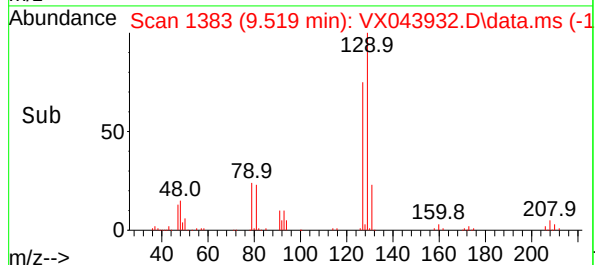
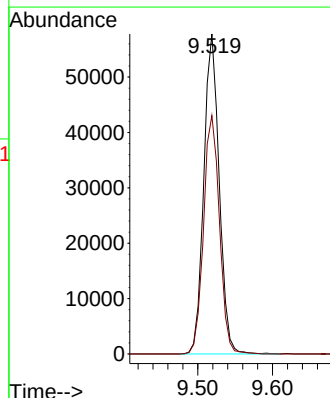
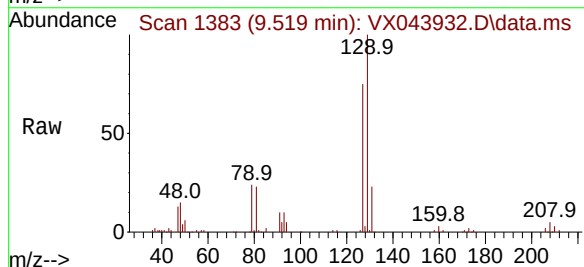
Acq: 21 Nov 2024 13:57

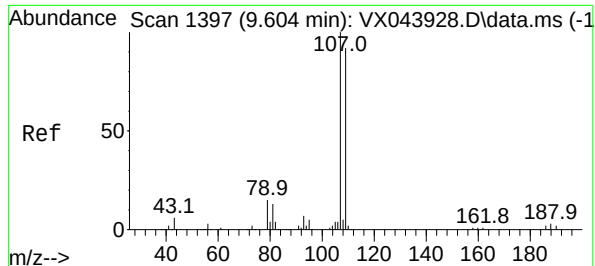
Tgt Ion:129 Resp: 82754

Ion Ratio Lower Upper

129 100

127 76.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 52.367 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:107 Resp: 83098

Ion Ratio Lower Upper

107 100

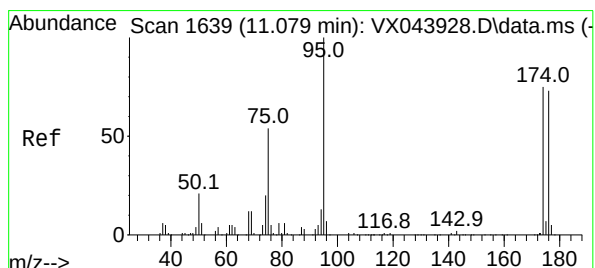
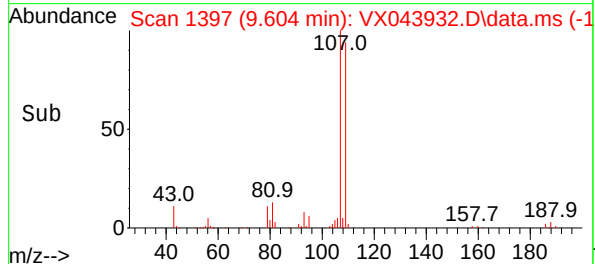
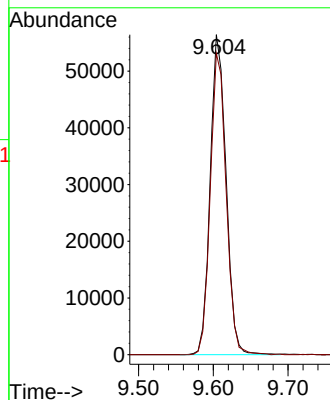
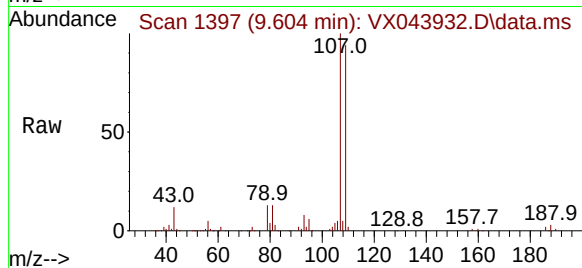
109 94.2 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#62

4-Bromofluorobenzene

Concen: 53.987 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

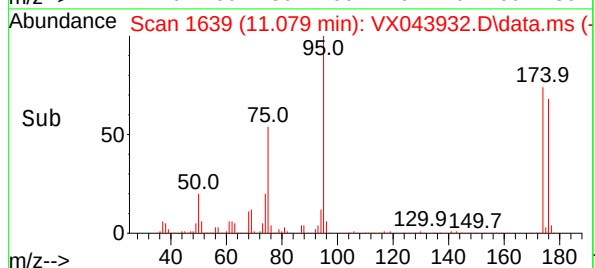
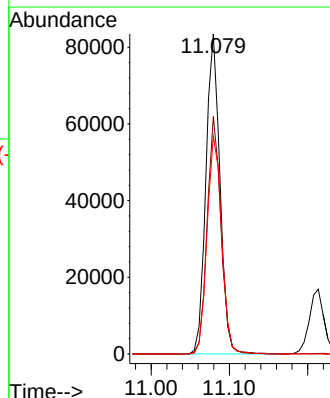
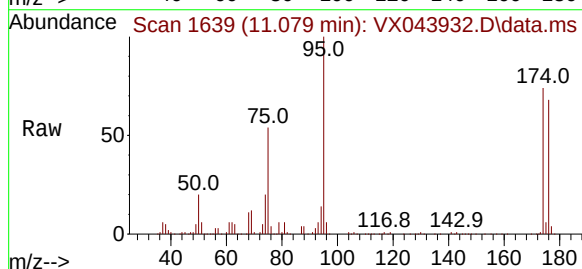
Tgt Ion: 95 Resp: 103640

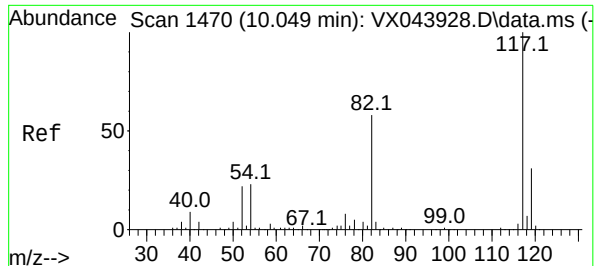
Ion Ratio Lower Upper

95 100

174 73.0 0.0 150.4

176 70.5 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:117 Resp: 198770

Ion Ratio Lower Upper

117 100

82 55.6 46.4 69.6

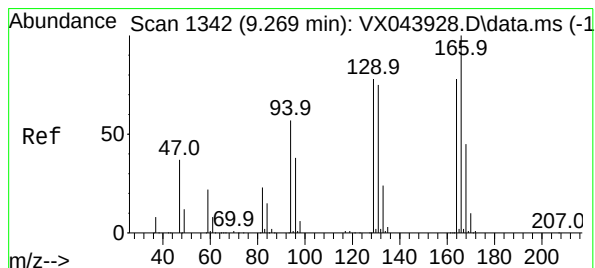
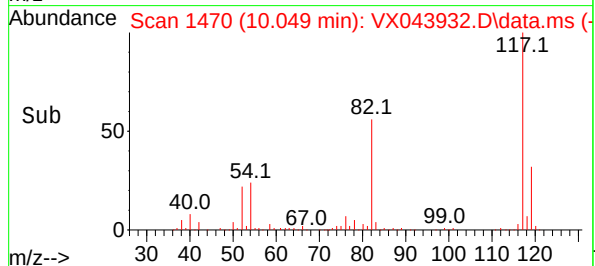
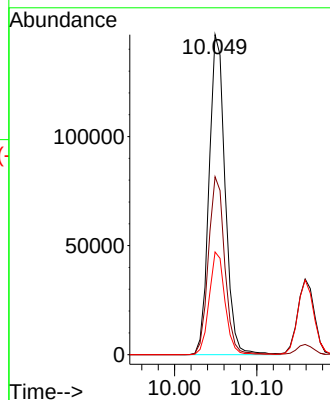
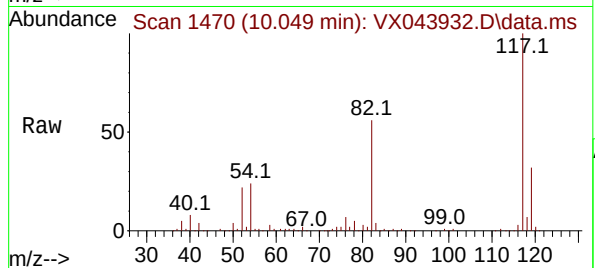
119 32.1 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#64

Tetrachloroethene

Concen: 50.396 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054

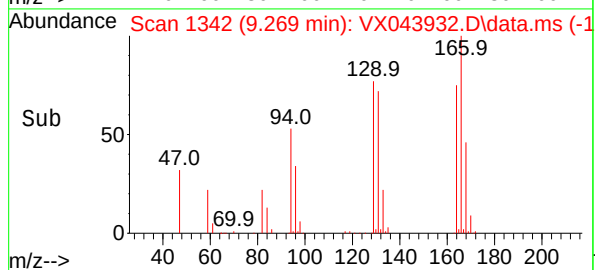
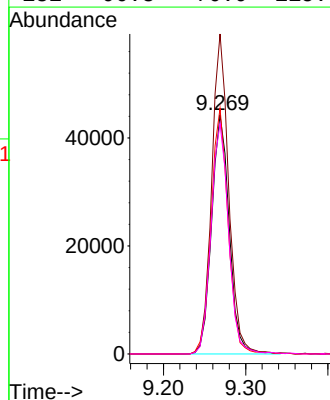
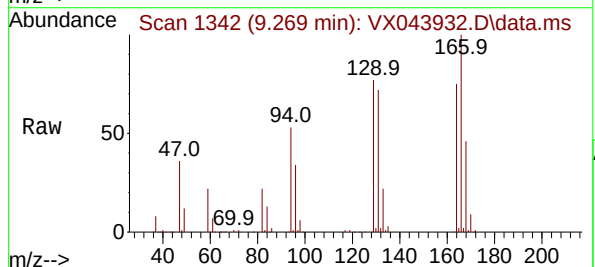
Ion Ratio Lower Upper

164 100

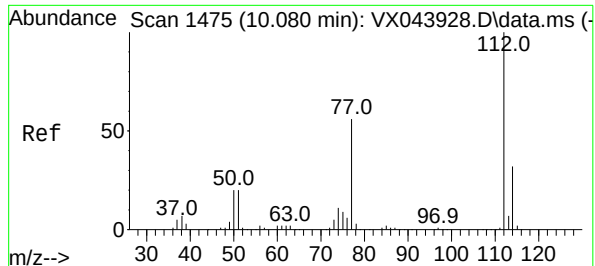
166 133.9 102.1 153.1

129 102.7 79.6 119.4

131 96.3 76.9 115.3







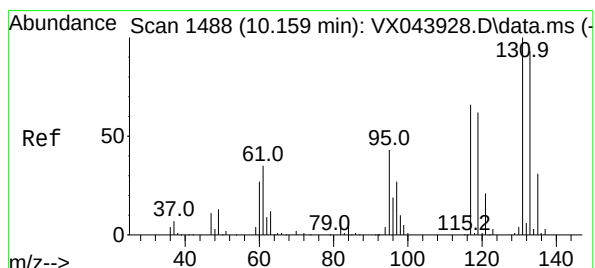
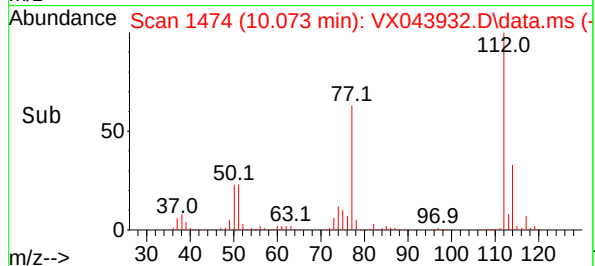
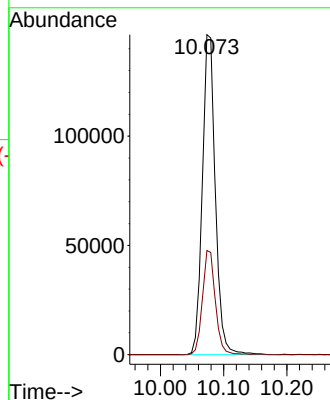
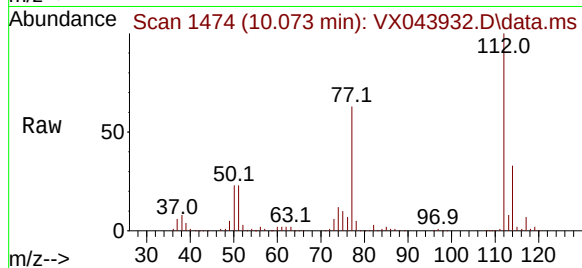
#65  
Chlorobenzene  
Concen: 48.094 ug/l  
RT: 10.073 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion:112 Resp: 209963  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.4 38.0

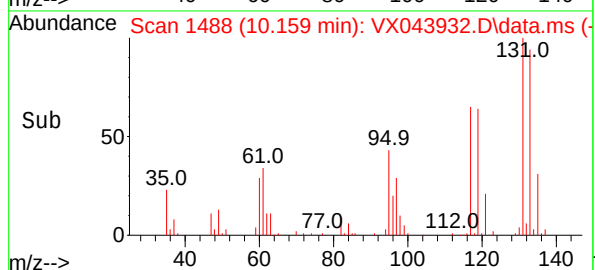
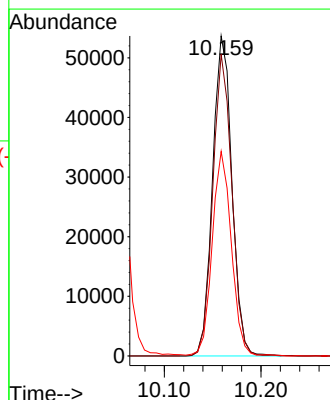
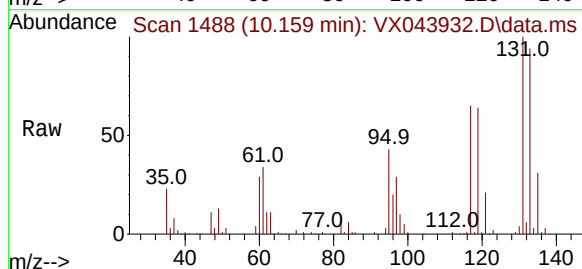
Manual Integrations  
APPROVED

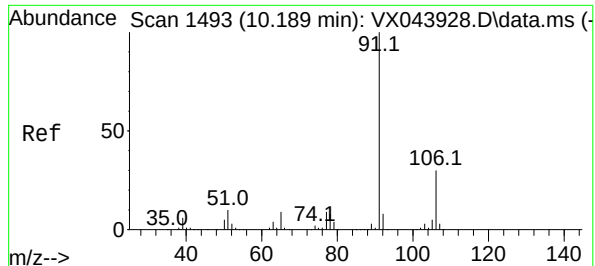
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.515 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354  
Ion Ratio Lower Upper  
131 100  
133 92.9 48.2 144.6  
119 63.5 31.5 94.5





#67

Ethyl Benzene

Concen: 50.991 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 91 Resp: 377215

Ion Ratio Lower Upper

91 100

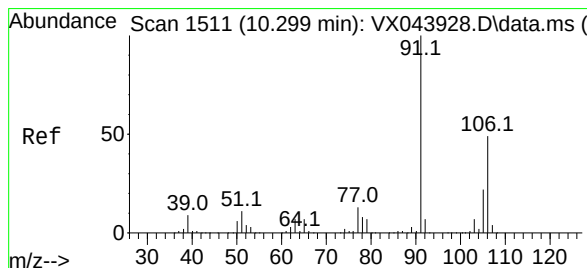
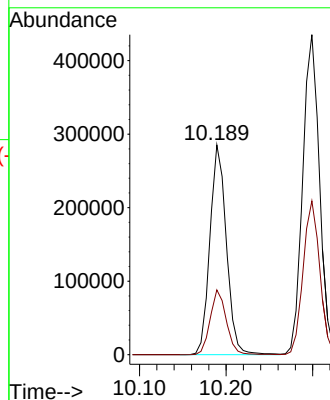
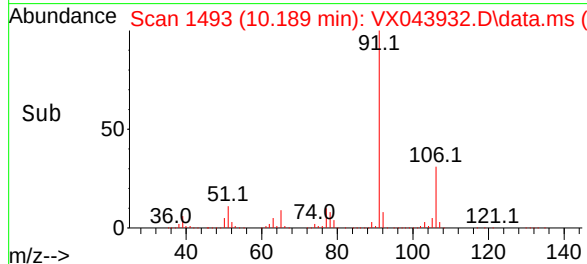
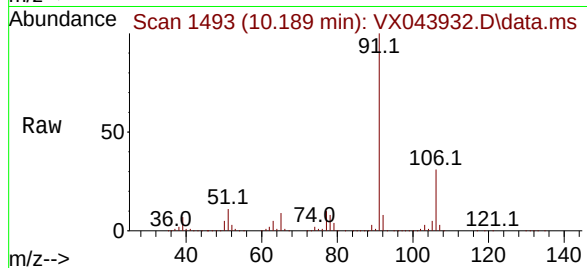
106 30.9 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#68

m/p-Xylenes

Concen: 102.572 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043932.D

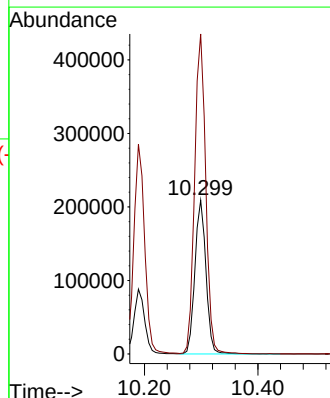
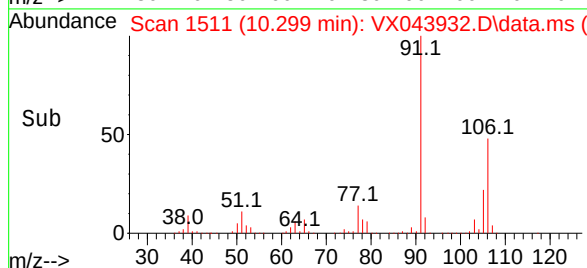
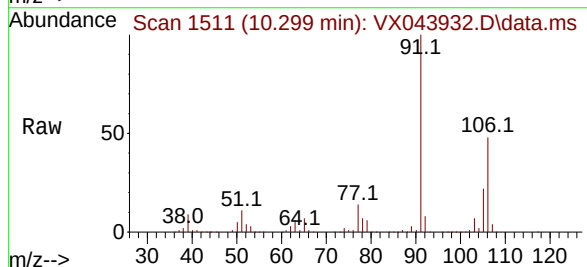
Acq: 21 Nov 2024 13:57

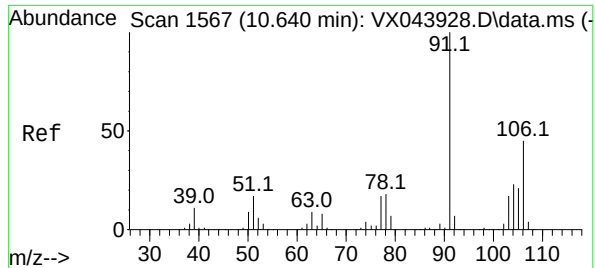
Tgt Ion:106 Resp: 282971

Ion Ratio Lower Upper

106 100

91 208.6 168.1 252.1





#69

o-Xylene

Concen: 51.396 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:106 Resp: 13843

Ion Ratio Lower Upper

106 100

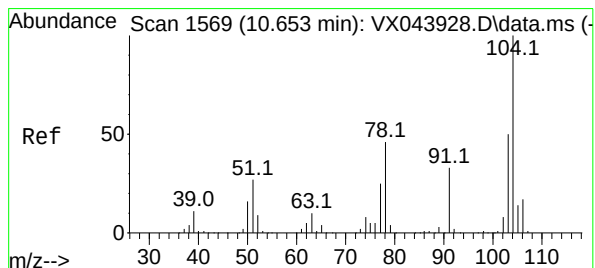
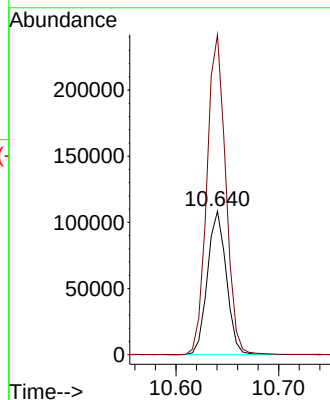
91 223.5 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#70

Styrene

Concen: 51.728 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

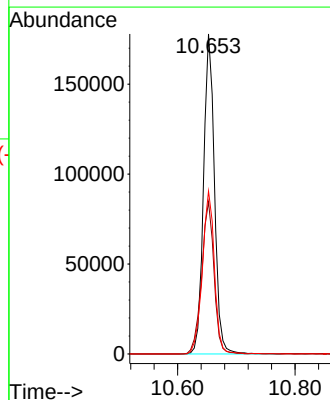
Tgt Ion:104 Resp: 230449

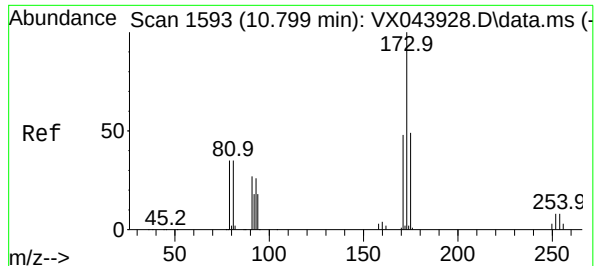
Ion Ratio Lower Upper

104 100

78 53.9 42.2 63.2

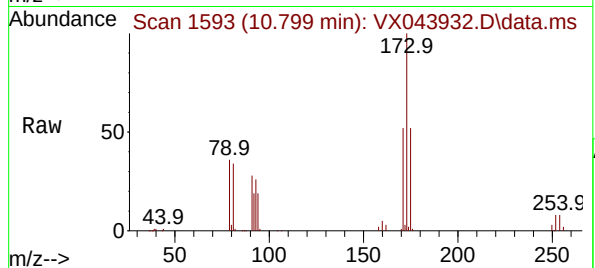
103 56.0 44.7 67.1





#71  
Bromoform  
Concen: 47.449 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

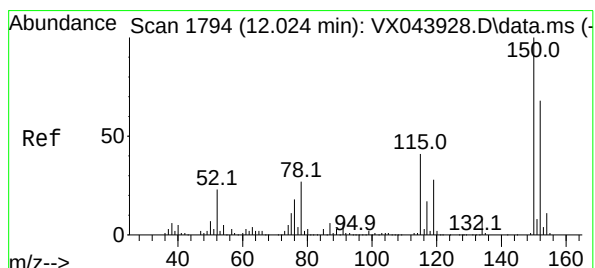
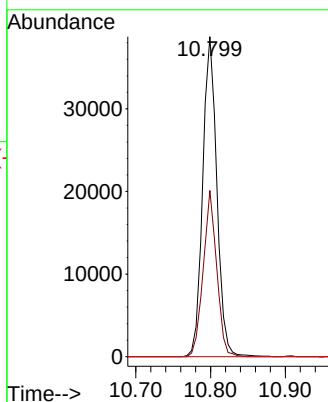
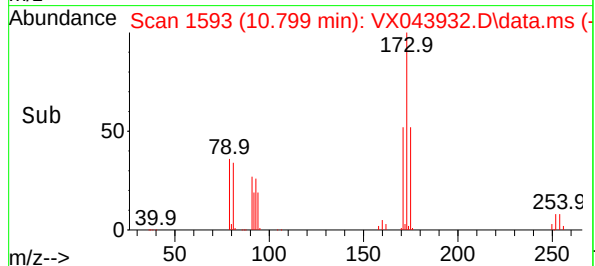
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124



Tgt Ion:173 Resp: 5083  
Ion Ratio Lower Upper  
173 100  
175 49.5 24.1 72.2  
254 0.0 0.0 0.0

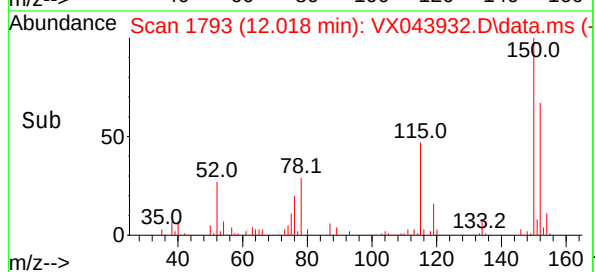
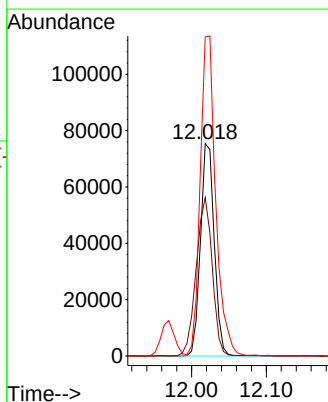
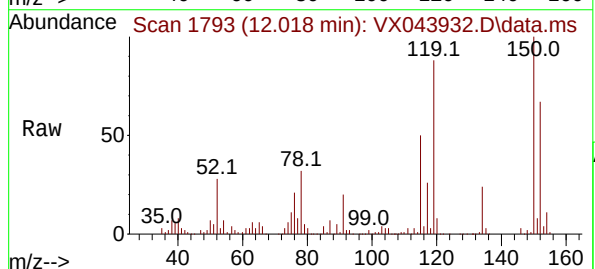
Manual Integrations  
APPROVED

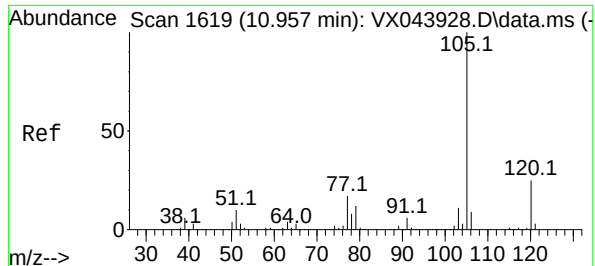
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

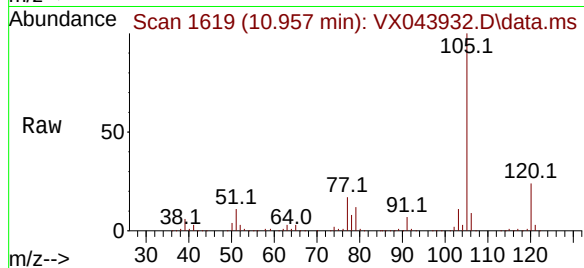
Tgt Ion:152 Resp: 96489  
Ion Ratio Lower Upper  
152 100  
115 87.3 45.4 136.2  
150 169.5 0.0 353.0





#73  
Isopropylbenzene  
Concen: 49.222 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

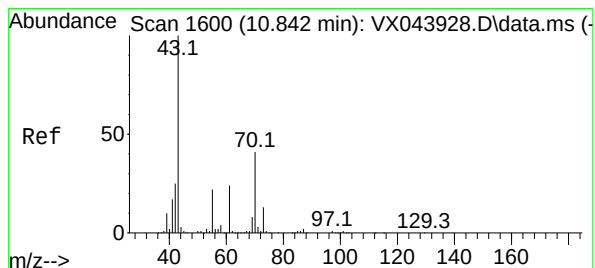
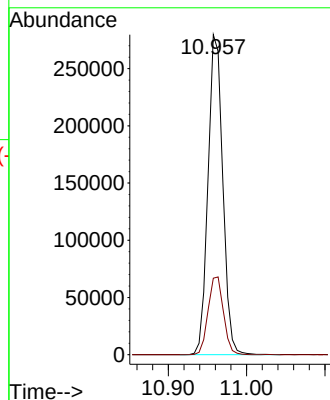
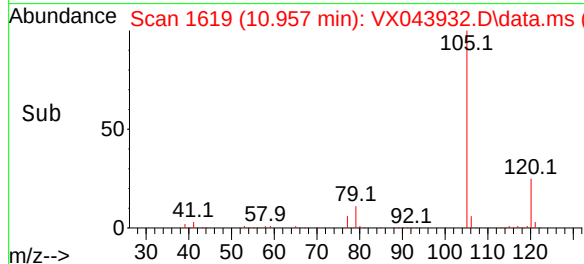
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124



Tgt Ion:105 Resp: 365084  
Ion Ratio Lower Upper  
105 100  
120 25.3 13.0 38.9

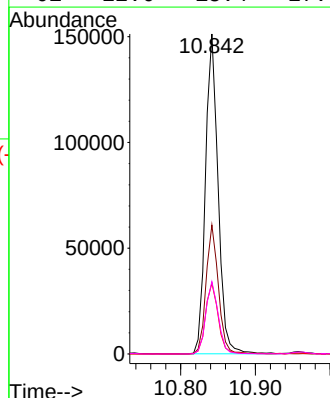
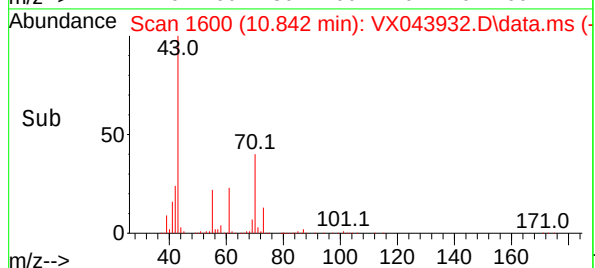
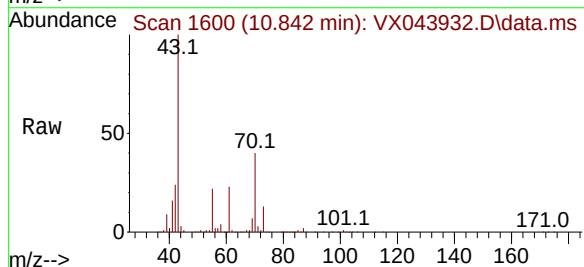
Manual Integrations  
APPROVED

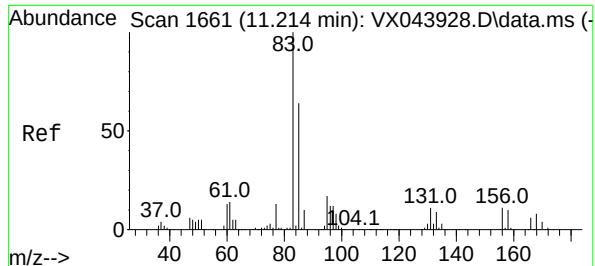
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#74  
N-ethyl acetate  
Concen: 51.406 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627  
Ion Ratio Lower Upper  
43 100  
70 39.7 32.2 48.2  
55 22.4 18.1 27.1  
61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.356 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 83 Resp: 125340

Ion Ratio Lower Upper

83 100

131 9.6 5.1 15.2

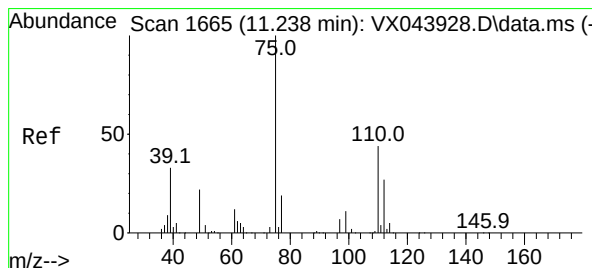
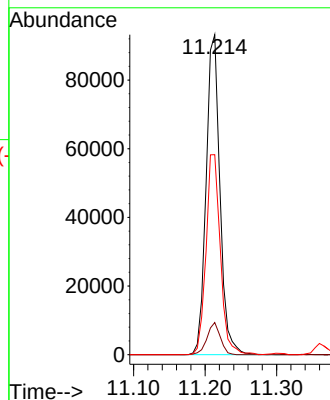
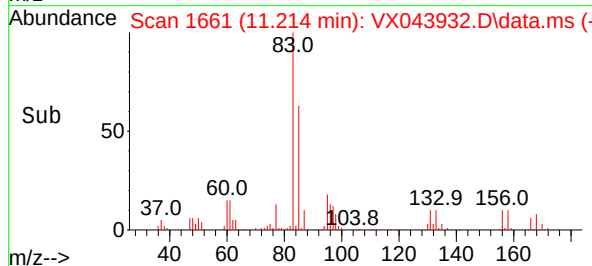
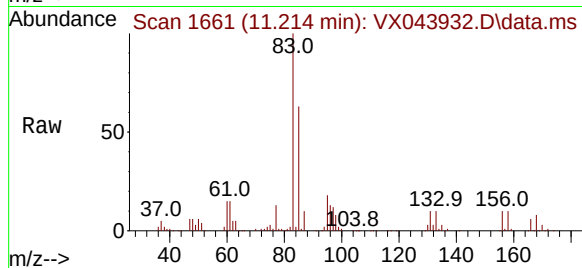
85 64.9 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#76

1,2,3-Trichloropropane

Concen: 49.973 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043932.D

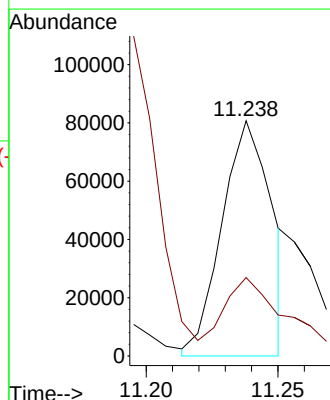
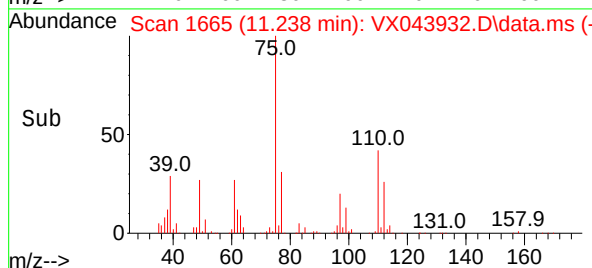
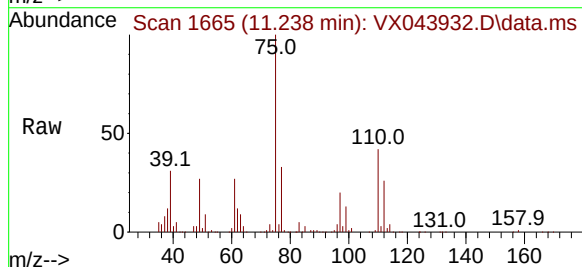
Acq: 21 Nov 2024 13:57

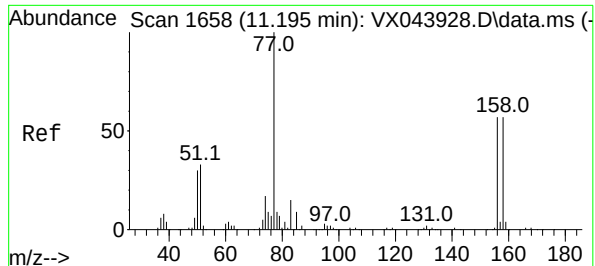
Tgt Ion: 75 Resp: 105742

Ion Ratio Lower Upper

75 100

77 42.7 21.8 65.3





#77

Bromobenzene

Concen: 48.081 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:156 Resp: 85070

Ion Ratio Lower Upper

156 100

77 165.4 83.4 250.1

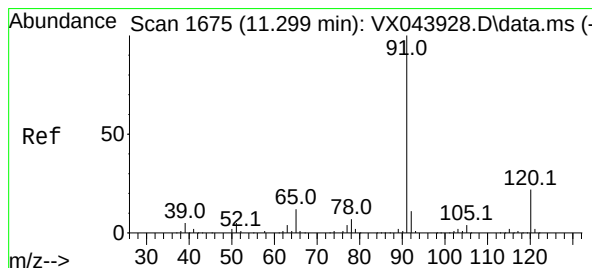
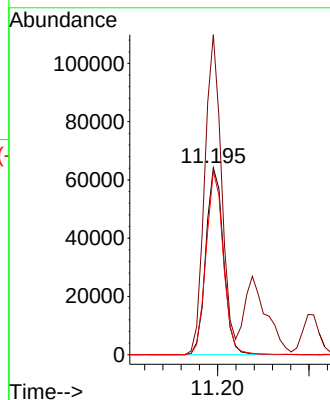
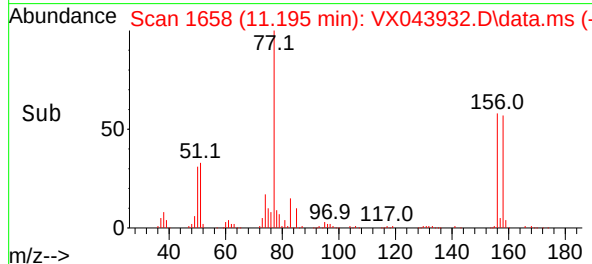
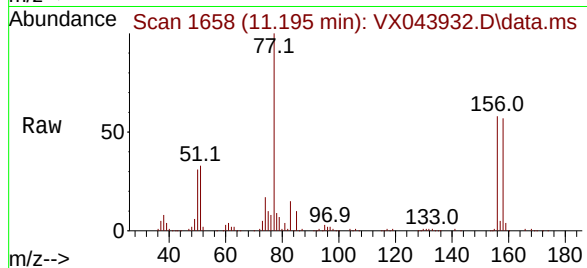
158 96.9 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#78

n-propylbenzene

Concen: 50.652 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043932.D

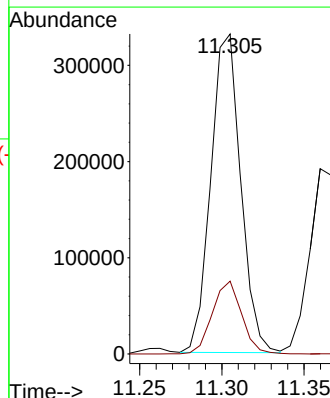
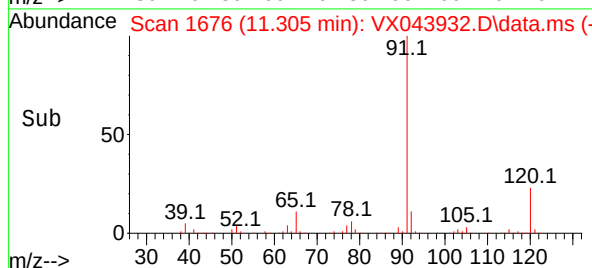
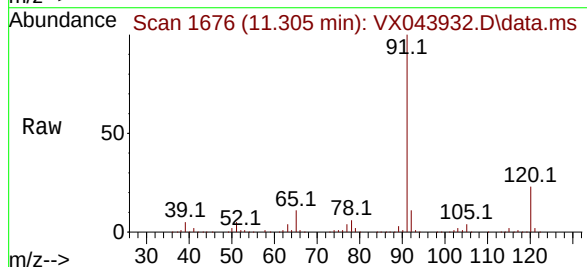
Acq: 21 Nov 2024 13:57

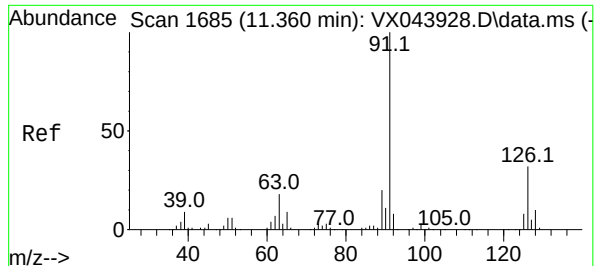
Tgt Ion: 91 Resp: 419586

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 47.551 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 91 Resp: 249079

Ion Ratio Lower Upper

91 100

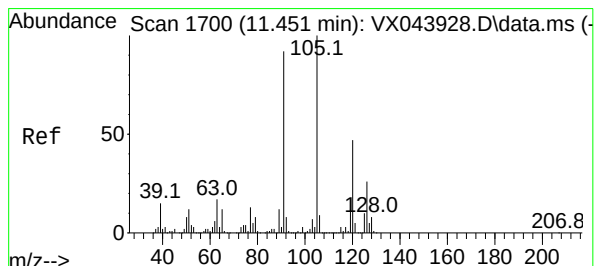
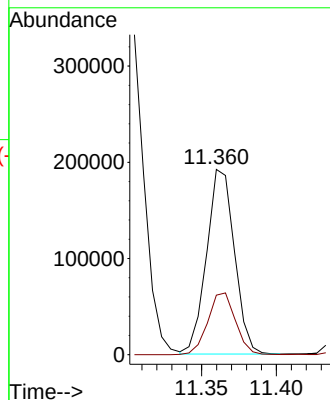
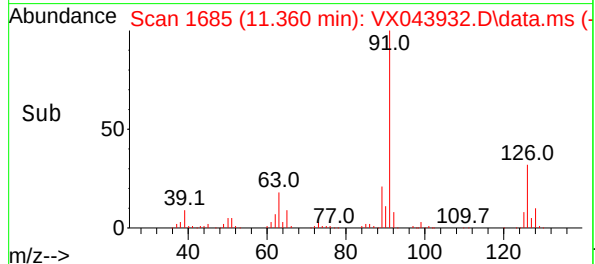
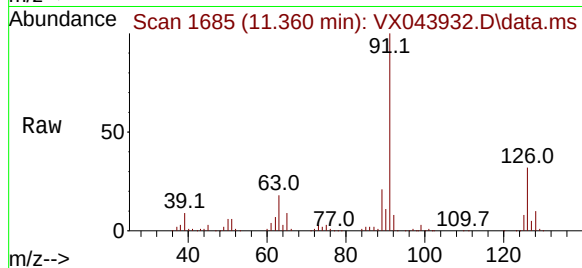
126 33.3 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#80

1,3,5-Trimethylbenzene

Concen: 50.134 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043932.D

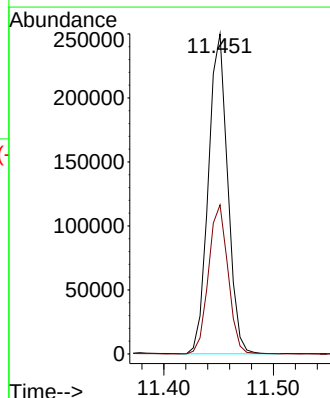
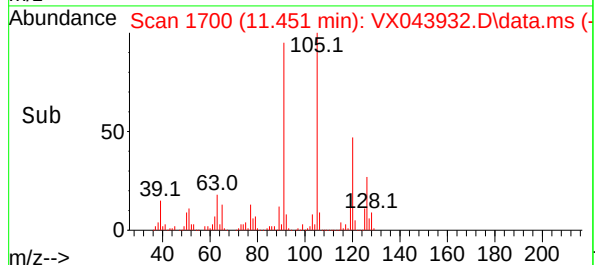
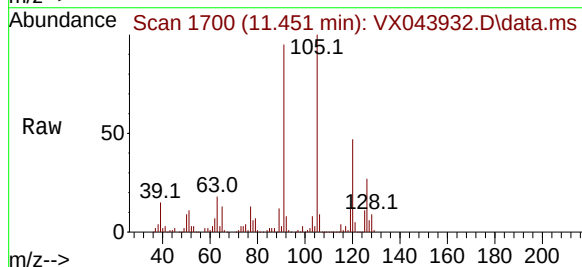
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 305922

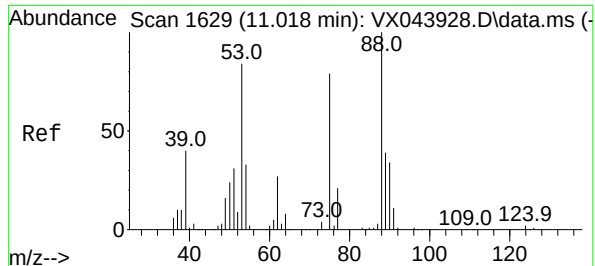
Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.8







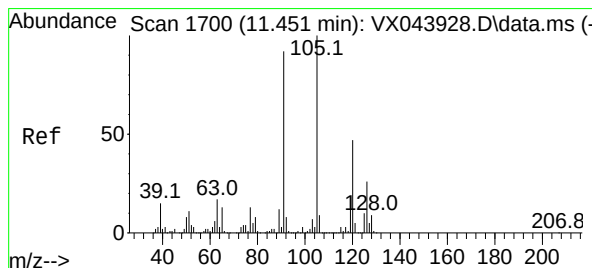
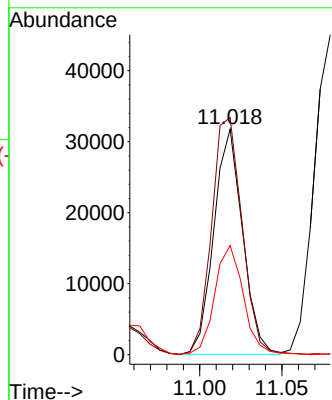
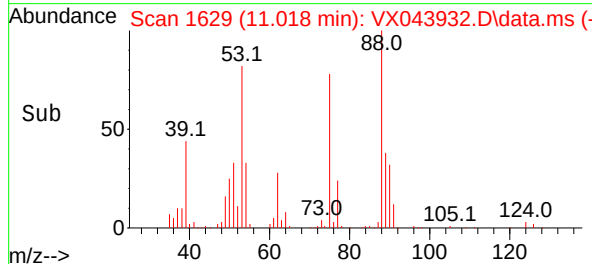
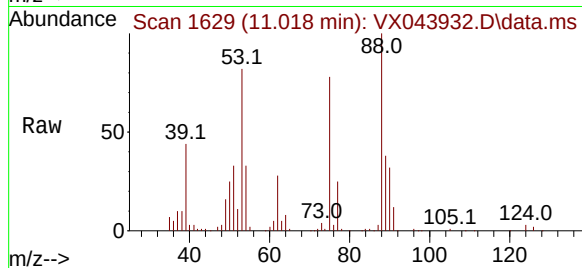
#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.756 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion: 75 Resp: 3858  
Ion Ratio Lower Upper  
75 100  
53 111.7 86.7 130.1  
89 48.1 38.2 57.2

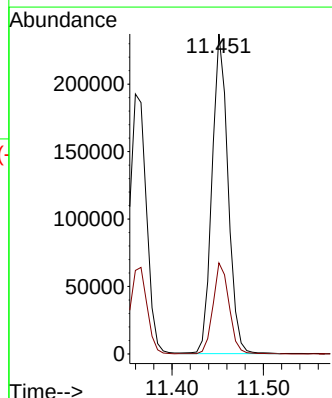
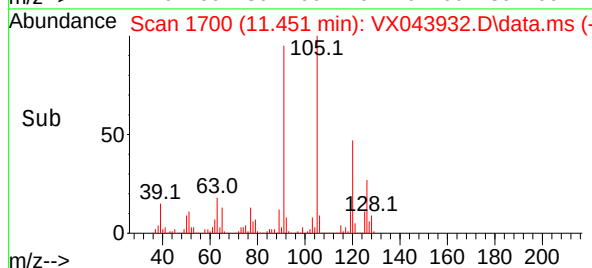
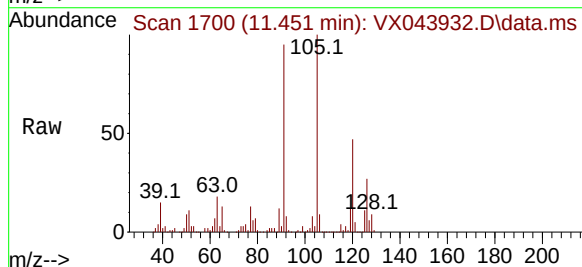
Manual Integrations  
APPROVED

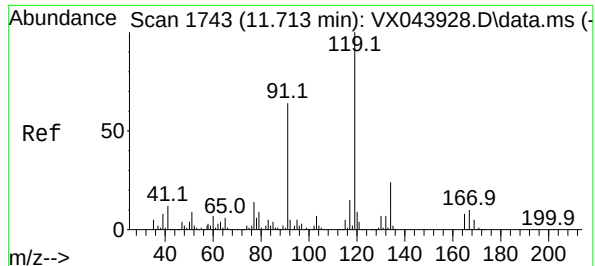
Reviewed By :John Carlone 11/22/2024  
Supervised By :Mahesh Dadoda 11/22/2024



#82  
4-Chlorotoluene  
Concen: 48.652 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717  
Ion Ratio Lower Upper  
91 100  
126 28.6 14.3 42.9





#83

tert-Butylbenzene

Concen: 50.165 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:119 Resp: 303408

Ion Ratio Lower Upper

119 100

91 61.2 31.0 93.0

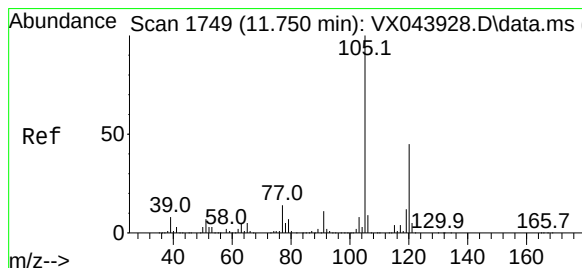
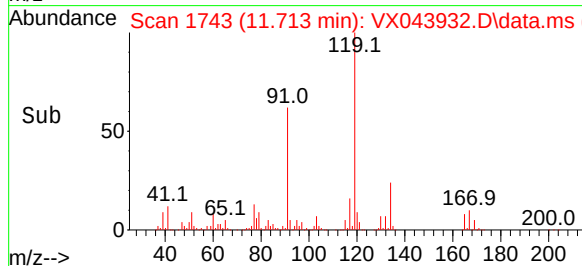
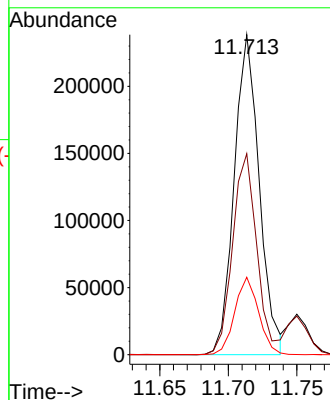
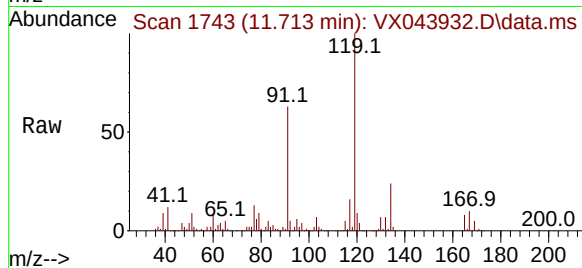
134 23.1 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#84

1,2,4-Trimethylbenzene

Concen: 50.410 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043932.D

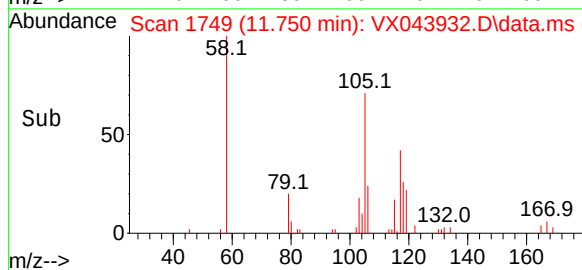
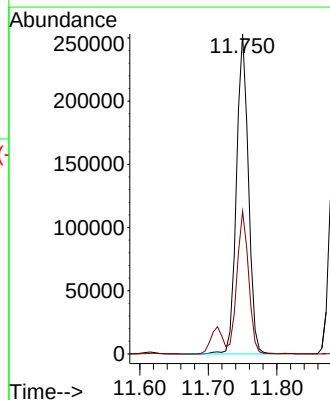
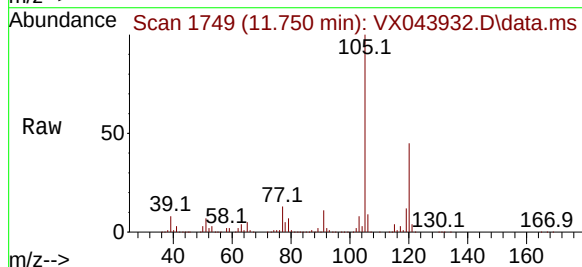
Acq: 21 Nov 2024 13:57

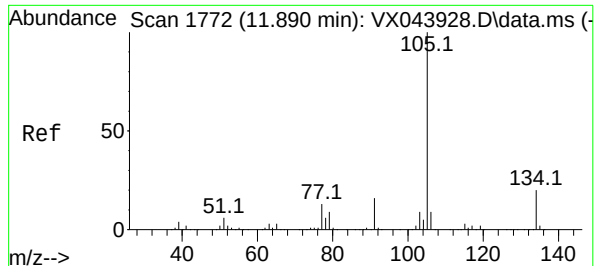
Tgt Ion:105 Resp: 306251

Ion Ratio Lower Upper

105 100

120 43.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 50.307 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:105 Resp: 372793

Ion Ratio Lower Upper

105 100

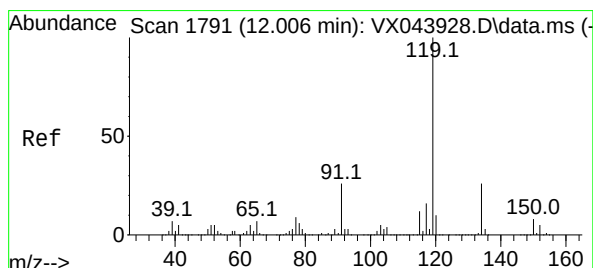
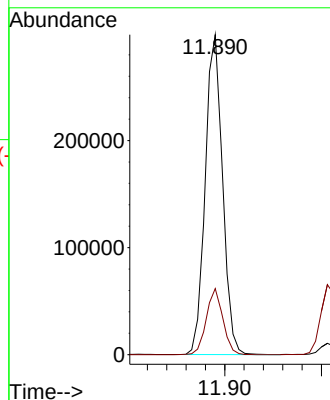
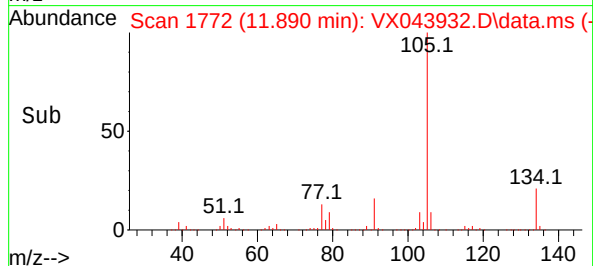
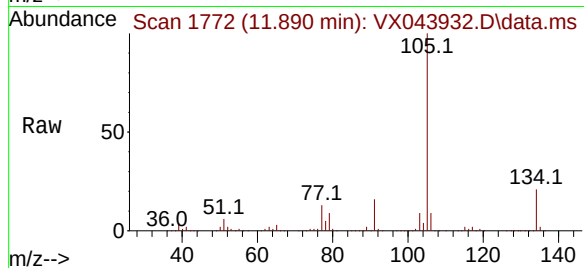
134 19.8 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#86

p-Isopropyltoluene

Concen: 51.511 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

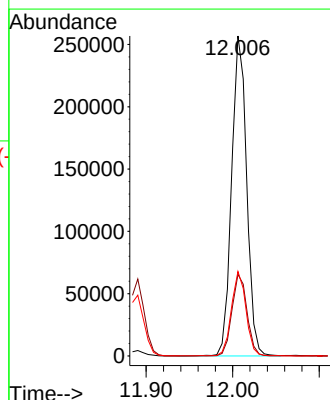
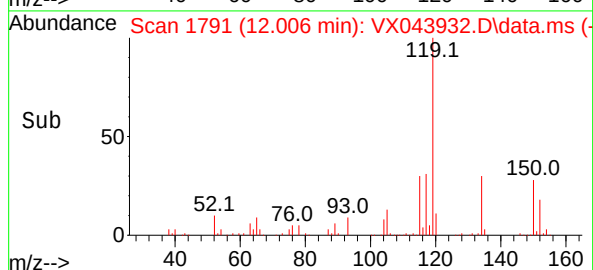
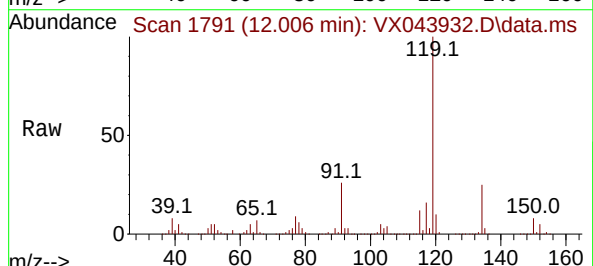
Tgt Ion:119 Resp: 310060

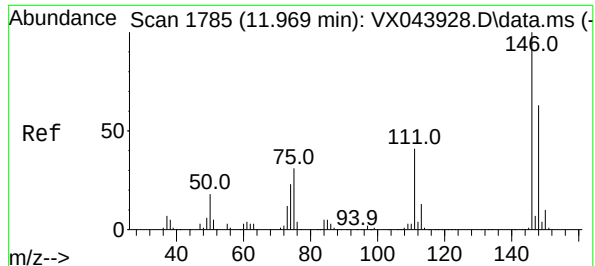
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.7 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.529 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:146 Resp: 153164

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.3

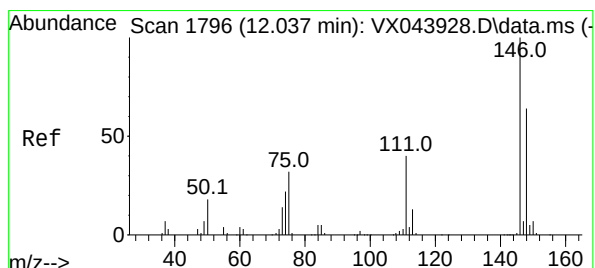
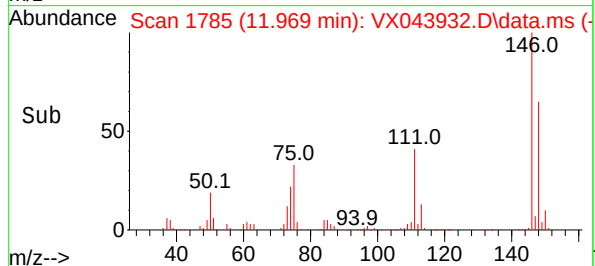
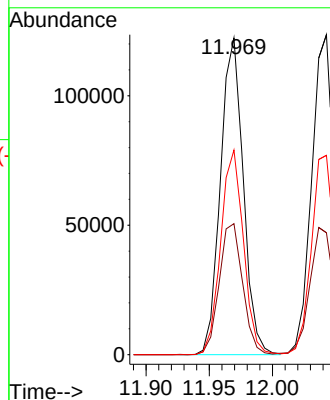
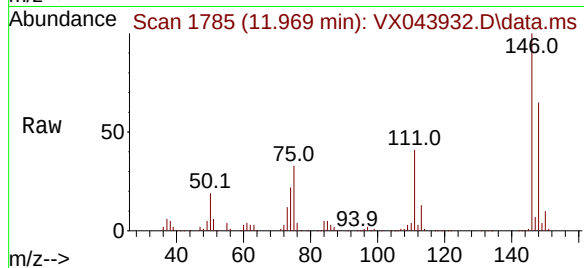
148 64.4 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#88

1,4-Dichlorobenzene

Concen: 47.306 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

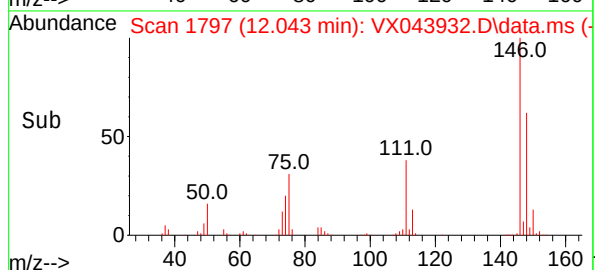
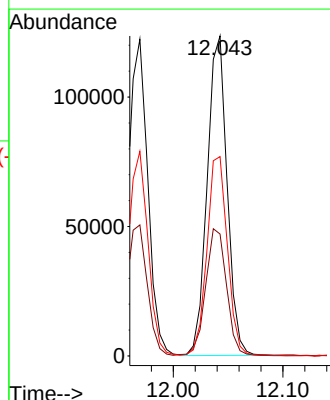
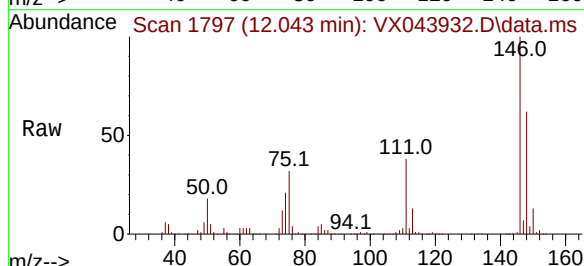
Tgt Ion:146 Resp: 155422

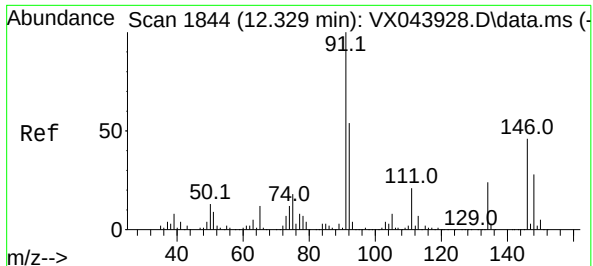
Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

148 64.7 30.9 92.8





#89

n-Butylbenzene

Concen: 52.020 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 91 Resp: 276079

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.8

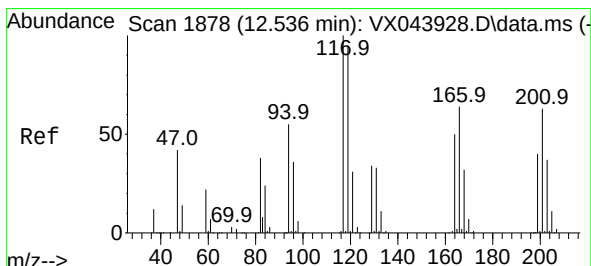
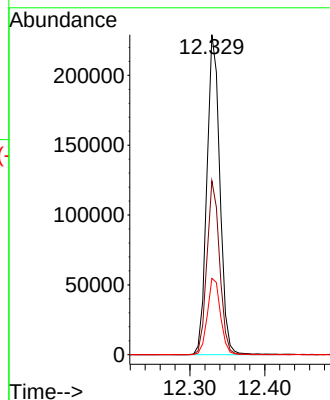
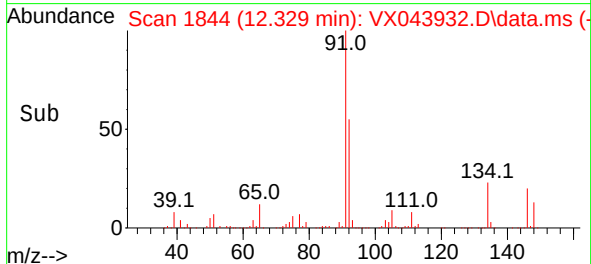
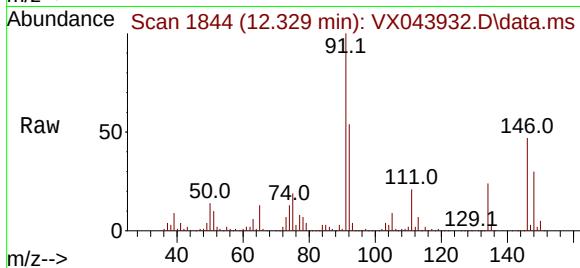
134 24.0 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#90

Hexachloroethane

Concen: 50.050 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043932.D

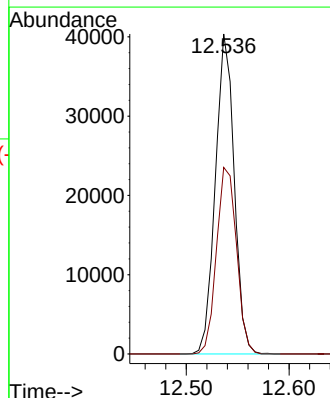
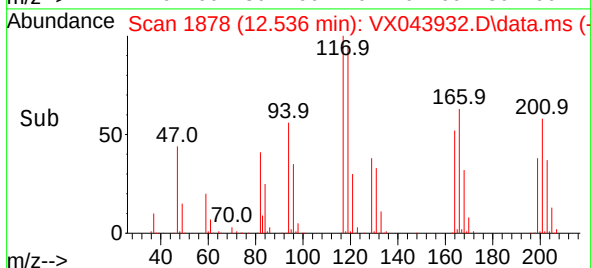
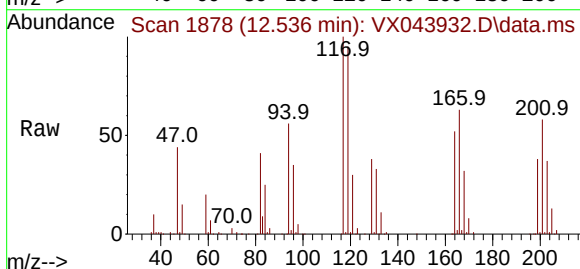
Acq: 21 Nov 2024 13:57

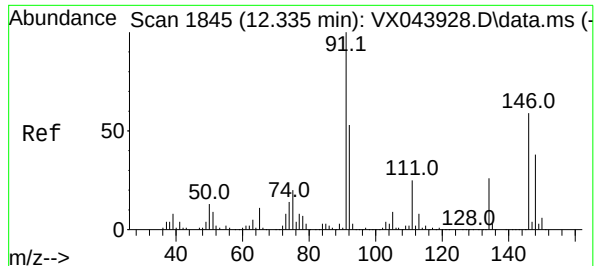
Tgt Ion:117 Resp: 51229

Ion Ratio Lower Upper

117 100

201 62.2 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 47.656 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:146 Resp: 154980

Ion Ratio Lower Upper

146 100

111 43.9 21.5 64.5

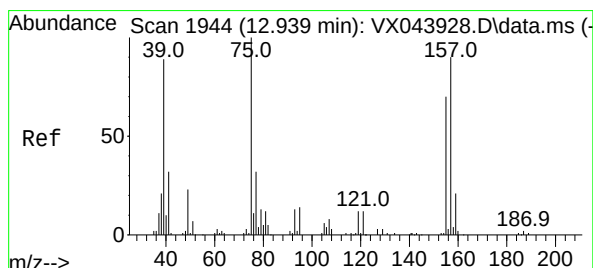
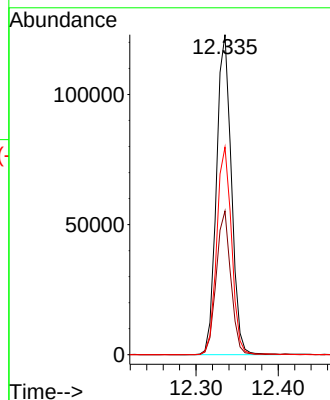
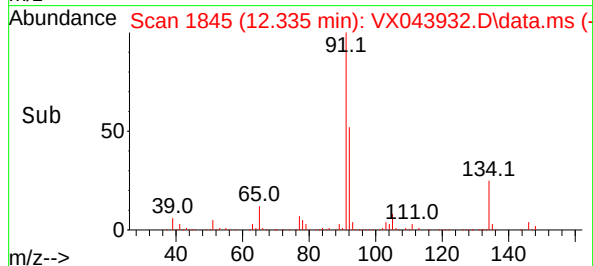
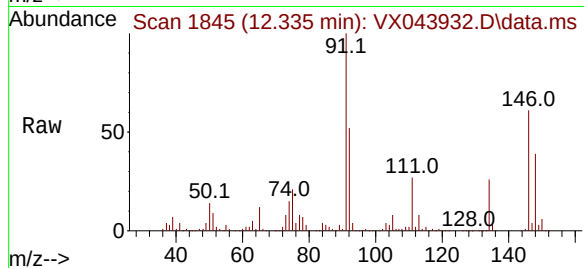
148 64.3 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.030 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

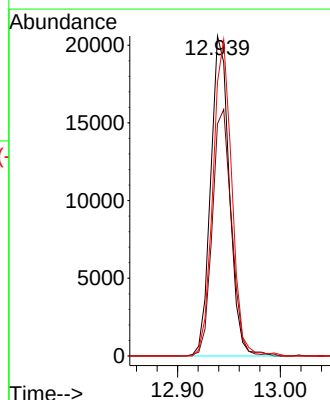
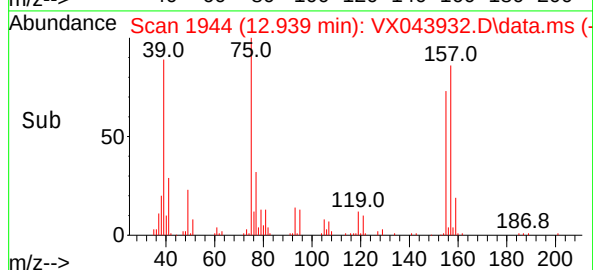
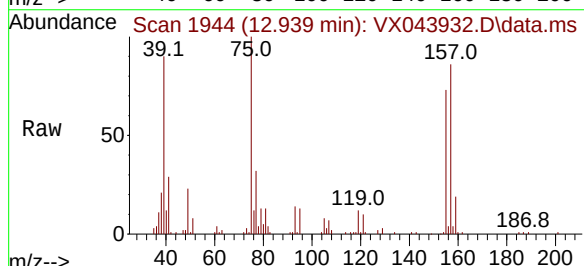
Tgt Ion: 75 Resp: 25968

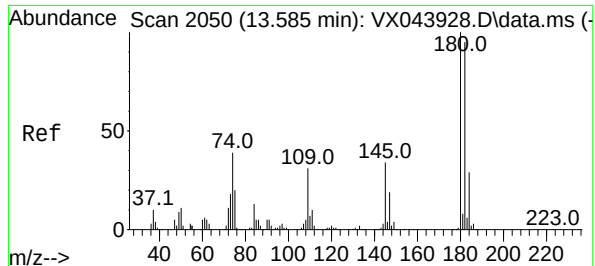
Ion Ratio Lower Upper

75 100

155 79.4 40.1 120.2

157 99.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 49.495 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

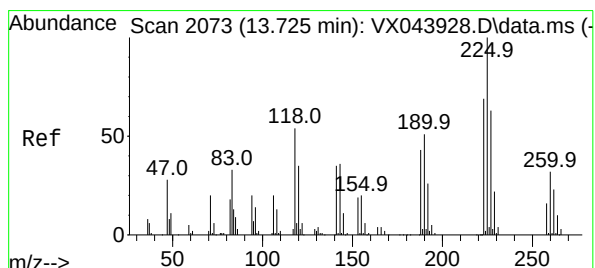
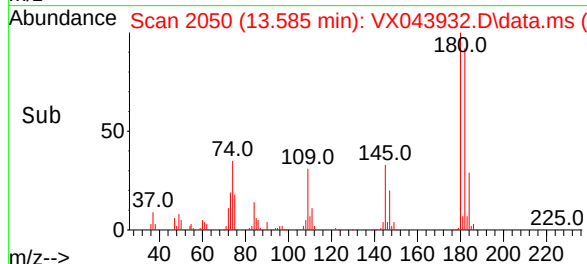
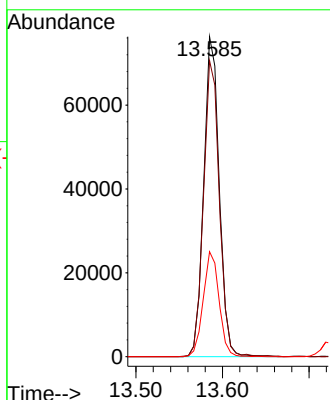
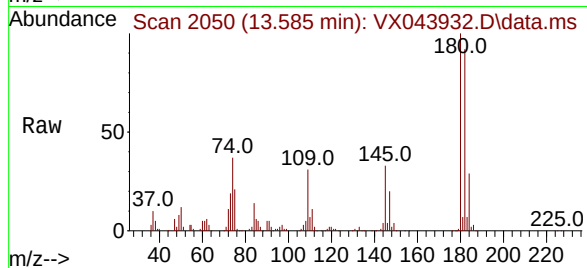
|             |       |            |
|-------------|-------|------------|
| Tgt Ion:180 | Resp: | 94890      |
| Ion Ratio   | Lower | Upper      |
| 180         | 100   |            |
| 182         | 94.6  | 48.0 144.2 |
| 145         | 33.6  | 16.8 50.4  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#94

Hexachlorobutadiene

Concen: 50.065 ug/l

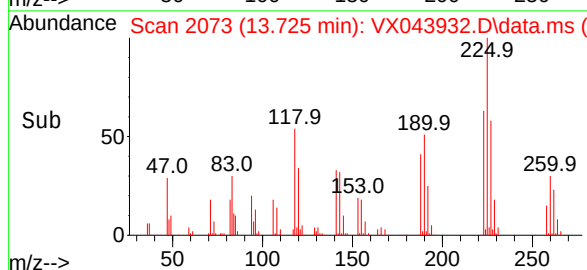
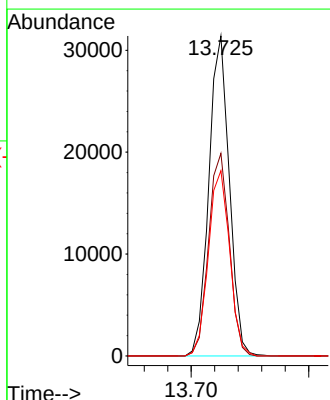
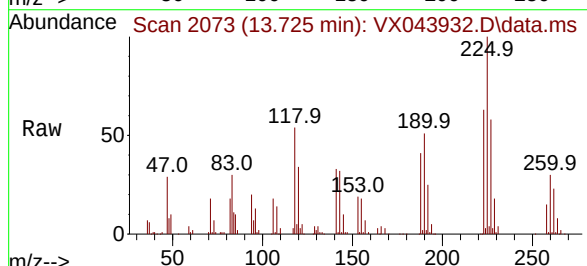
RT: 13.725 min Scan# 2073

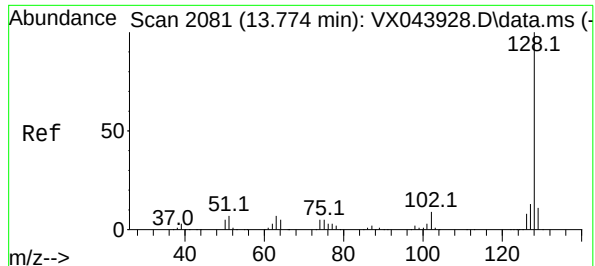
Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:225 | Resp: | 37937     |
| Ion Ratio   | Lower | Upper     |
| 225         | 100   |           |
| 223         | 64.1  | 32.9 98.6 |
| 227         | 60.3  | 31.6 94.8 |





#95

Naphthalene

Concen: 51.831 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion:128 Resp: 357724

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

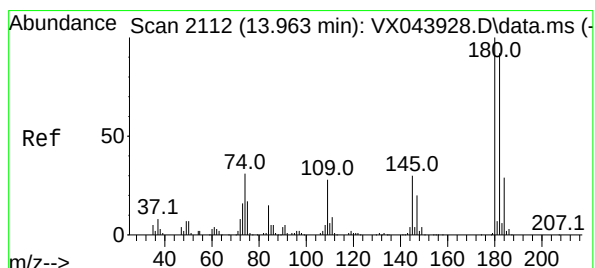
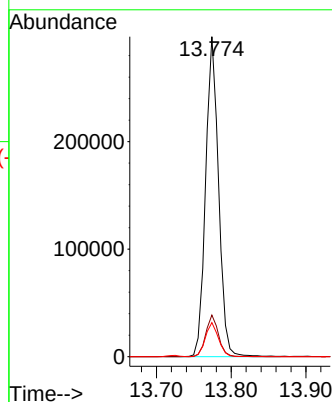
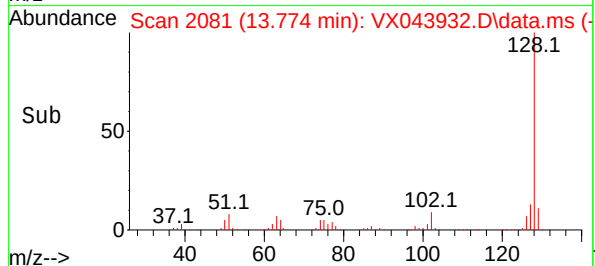
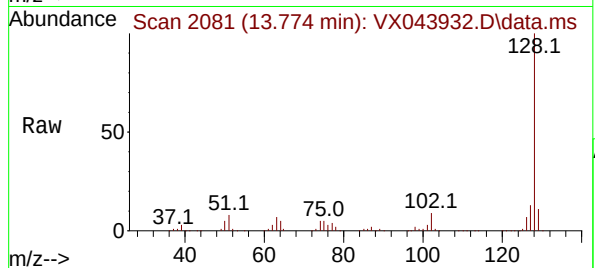
129 10.8 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/22/2024

Supervised By :Mahesh Dadoda 11/22/2024



#96

1,2,3-Trichlorobenzene

Concen: 51.246 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

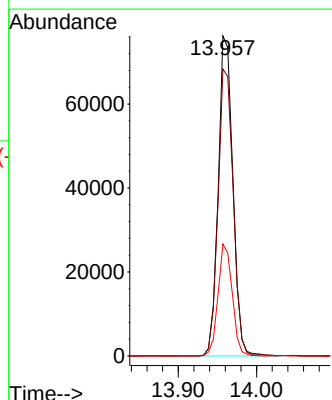
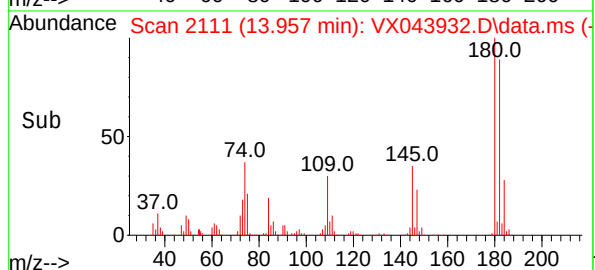
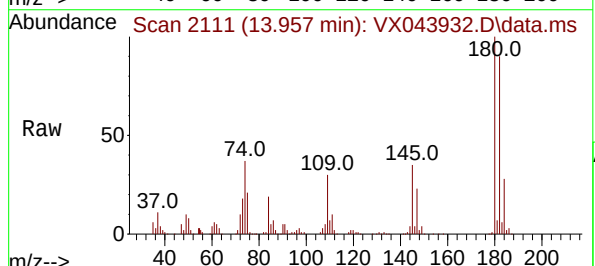
Tgt Ion:180 Resp: 99447

Ion Ratio Lower Upper

180 100

182 92.9 45.6 136.8

145 33.9 16.4 49.4





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICSVX112124

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.640 | -1.1  | 89    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.655 | 1.8   | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.711 | -0.3# | 88    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.410 | 6.0   | 87    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.354 | 18.1  | 73    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.354 | -6.8  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.437 | 5.4   | 87    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.614 | -1.5  | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.734 | 2.8   | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.131 | 5.1   | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.555 | 3.6#  | 88    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.137 | 5.5   | 89    | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 0.972 | -3.3  | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.348 | -3.9  | 89    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.393 | 0.3   | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 1.174 | 1.2   | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.929 | -1.3  | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 2.100 | -0.4  | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.628 | 6.0   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.585 | 1.7   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 2.018 | -0.2  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.815 | -5.4  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.172 | -0.9  | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.532 | -4.7  | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 1.098 | -4.7  | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.725 | 1.4   | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.480 | 6.1   | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.317 | -1.6  | 89    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.246 | 0.2#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 0.956 | 0.980 | -2.5  | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 1.106 | -2.7  | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.861 | -0.3  | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.375 | -5.0  | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.474 | -6.5  | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.582 | -5.2  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.518 | -3.6  | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.619 | -7.1  | 89    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.394 | -0.5  | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.305 | -7.8  | 88    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.562 | -0.9  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.905 | -2.8  | 88    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.350 | 10.9  | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.325 | 4.4#  | 83    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.272 | -1.1  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.507 | -5.2  | 88    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.441 | -4.5  | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICSVX112124

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.007 | 12.5  | 79    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.262 | -2.4  | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.570 | -6.1  | 89    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.855 | -3.0# | 88    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.522 | -6.3  | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.562 | -4.3  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.343 | 0.0   | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.567 | -6.2  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.588 | -1.9  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.275 | -0.7  | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.441 | -9.4  | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.361 | -4.9  | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.363 | -4.9  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.453 | -8.1  | 111   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.332 | -0.6  | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.056 | 3.8   | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.374 | -5.1  | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 1.898 | -2.0# | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.712 | -2.6  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.696 | -2.7  | 86    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.159 | -3.4  | 86    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.256 | -6.7  | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 3.784 | 1.5   | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 1.831 | -2.9  | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.299 | 1.3   | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.096 | 0.0   | 89    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.882 | 3.8   | 87    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 4.349 | -1.3  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.581 | 4.9   | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 3.171 | -0.3  | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.400 | 0.5   | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 2.982 | 2.7   | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 3.144 | -0.3  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.174 | -0.8  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 3.864 | -0.6  | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 3.213 | -3.0  | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.587 | 5.0   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.611 | 5.3   | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 2.861 | -4.0  | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.531 | -0.2  | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.606 | 4.7   | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.269 | -1.9  | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 0.983 | 1.1   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.393 | 0.0   | 92    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 3.707 | -3.7  | 89    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043932.D  
Acq On : 21 Nov 2024 13:57  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

Quant Time: Nov 22 03:54:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.031 | -2.5 | 89    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 50.537  | -1.1  | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 49.100  | 1.8   | 89    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 50.118  | -0.2# | 88    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.040  | 5.9   | 87    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 40.921  | 18.2  | 73    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.407  | -6.8  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.345  | 5.3   | 87    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.762  | -1.5  | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 48.614  | 2.8   | 86    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 238.127 | 4.7   | 86    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 48.192  | 3.6#  | 88    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 235.500 | 5.8   | 89    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 51.610  | -3.2  | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 259.090 | -3.6  | 89    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 249.676 | 0.1   | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.375  | 1.3   | 86    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.643  | -1.3  | 89    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.186  | -0.4  | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.954  | 6.1   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.179  | 1.6   | 87    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.132  | -0.3  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 263.441 | -5.4  | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.466  | -0.9  | 88    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 261.804 | -4.7  | 89    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 52.343  | -4.7  | 91    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.326  | 1.3   | 87    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.920  | 6.2   | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 254.585 | -1.8  | 89    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.891  | 0.2#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 51.278  | -2.6  | 89    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.320  | -2.6  | 88    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 50.183  | -0.4  | 108   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 95    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 52.442  | -4.9  | 109   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 53.218  | -6.4  | 91    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.656  | -5.3  | 90    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 51.786  | -3.6  | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.489  | -7.0  | 89    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 50.257  | -0.5  | 88    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.851  | -7.7  | 88    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.421  | -0.8  | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.469  | -2.9  | 88    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 44.554  | 10.9  | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 47.811  | 4.4#  | 83    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.662  | -1.3  | 88    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.648  | -5.3  | 88    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.284  | -4.6  | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICSVX112124

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 905.506 | 9.4   | 79    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.234  | -2.5  | 108   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 265.520 | -6.2  | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 51.507  | -3.0# | 88    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.077  | -6.2  | 87    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.205  | -4.4  | 87    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.069  | -0.1  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.118  | -6.2  | 88    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.945  | -1.9  | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 235.230 | 5.9   | 85    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 273.011 | -9.2  | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.557  | -5.1  | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 52.367  | -4.7  | 89    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.987  | -8.0  | 111   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 94    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.396  | -0.8  | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 48.094  | 3.8   | 86    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.515  | -5.0  | 89    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.991  | -2.0# | 88    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 102.572 | -2.6  | 87    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 51.396  | -2.8  | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.728  | -3.5  | 86    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.449  | 5.1   | 84    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.222  | 1.6   | 89    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.406  | -2.8  | 88    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.356  | 1.3   | 90    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.973  | 0.1   | 89    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.081  | 3.8   | 87    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 50.652  | -1.3  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.551  | 4.9   | 87    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.134  | -0.3  | 89    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 49.756  | 0.5   | 87    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.652  | 2.7   | 86    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.165  | -0.3  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.410  | -0.8  | 89    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 50.307  | -0.6  | 87    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.511  | -3.0  | 88    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.529  | 4.9   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.306  | 5.4   | 87    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 52.020  | -4.0  | 86    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.050  | -0.1  | 87    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.656  | 4.7   | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.030  | -2.1  | 91    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 49.495  | 1.0   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.065  | -0.1  | 92    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 51.831  | -3.7  | 89    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043932.D  
Acq On : 21 Nov 2024 13:57  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

Quant Time: Nov 22 03:54:00 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.246 | -2.5 | 89    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|--------------------------------|-------|--------|------------|-------|-------|
| Dichlorodifluoromethane        | 0.633 | 0.699  |            | 10.43 | 20    |
| Chloromethane                  | 0.667 | 0.733  | 0.1        | 9.9   | 20    |
| Vinyl Chloride                 | 0.709 | 0.742  |            | 4.65  | 20    |
| Bromomethane                   | 0.436 | 0.458  |            | 5.05  | 20    |
| Chloroethane                   | 0.432 | 0.419  |            | -3.01 | 20    |
| Trichlorofluoromethane         | 1.268 | 1.478  |            | 16.56 | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.652  |            | 7.77  | 20    |
| 1,1-Dichloroethene             | 0.576 | 0.586  |            | 1.74  | 20    |
| Acetone                        | 0.394 | 0.395  |            | 0.25  | 20    |
| Carbon Disulfide               | 1.188 | 1.132  |            | -4.71 | 20    |
| Methyl tert-butyl Ether        | 2.092 | 2.228  |            | 6.5   | 20    |
| Methyl Acetate                 | 0.917 | 0.947  |            | 3.27  | 20    |
| Methylene Chloride             | 0.668 | 0.684  |            | 2.39  | 20    |
| trans-1,2-Dichloroethene       | 0.595 | 0.624  |            | 4.87  | 20    |
| 1,1-Dichloroethane             | 1.161 | 1.252  | 0.1        | 7.84  | 20    |
| Cyclohexane                    | 0.956 | 1.019  |            | 6.59  | 20    |
| 2-Butanone                     | 0.508 | 0.528  |            | 3.94  | 20    |
| Carbon Tetrachloride           | 0.500 | 0.540  |            | 8     | 20    |
| cis-1,2-Dichloroethene         | 0.735 | 0.765  |            | 4.08  | 20    |
| Bromochloromethane             | 0.511 | 0.493  |            | -3.52 | 20    |
| Chloroform                     | 1.249 | 1.325  |            | 6.09  | 20    |
| 1,1,1-Trichloroethane          | 1.077 | 1.175  |            | 9.1   | 20    |
| Methylcyclohexane              | 0.578 | 0.634  |            | 9.69  | 20    |
| Benzene                        | 1.387 | 1.498  |            | 8     | 20    |
| 1,2-Dichloroethane             | 0.557 | 0.607  |            | 8.98  | 20    |
| Trichloroethene                | 0.393 | 0.368  |            | -6.36 | 20    |
| 1,2-Dichloropropane            | 0.340 | 0.374  |            | 10    | 20    |
| Bromodichloromethane           | 0.482 | 0.527  |            | 9.34  | 20    |
| 4-Methyl-2-Pentanone           | 0.537 | 0.578  |            | 7.64  | 20    |
| Toluene                        | 0.830 | 0.912  |            | 9.88  | 20    |
| t-1,3-Dichloropropene          | 0.491 | 0.540  |            | 9.98  | 20    |
| cis-1,3-Dichloropropene        | 0.539 | 0.582  |            | 7.98  | 20    |
| 1,1,2-Trichloroethane          | 0.343 | 0.359  |            | 4.66  | 20    |
| 2-Hexanone                     | 0.403 | 0.435  |            | 7.94  | 20    |
| Dibromochloromethane           | 0.344 | 0.370  |            | 7.56  | 20    |
| 1,2-Dibromoethane              | 0.346 | 0.374  |            | 8.09  | 20    |
| Tetrachloroethene              | 0.330 | 0.358  |            | 8.48  | 20    |
| Chlorobenzene                  | 1.098 | 1.156  | 0.3        | 5.28  | 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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/22/2024 11:22

Lab File ID: VX043950.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.861 | 2.060  |            | 10.69 | 20    |
| m/p-Xylenes                 | 0.694 | 0.769  |            | 10.81 | 20    |
| o-Xylene                    | 0.678 | 0.748  |            | 10.32 | 20    |
| Styrene                     | 1.121 | 1.258  |            | 12.22 | 20    |
| Bromoform                   | 0.240 | 0.263  | 0.1        | 9.58  | 20    |
| Isopropylbenzene            | 3.843 | 4.000  |            | 4.09  | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.316 | 1.353  | 0.3        | 2.81  | 20    |
| 1,3-Dichlorobenzene         | 1.670 | 1.740  |            | 4.19  | 20    |
| 1,4-Dichlorobenzene         | 1.702 | 1.754  |            | 3.06  | 20    |
| 1,2-Dichlorobenzene         | 1.685 | 1.762  |            | 4.57  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.264 | 0.275  |            | 4.17  | 20    |
| 1,2,4-Trichlorobenzene      | 0.994 | 1.078  |            | 8.45  | 20    |
| 1,2,3-Trichlorobenzene      | 1.006 | 1.107  |            | 10.04 | 20    |
| 1,2-Dichloroethane-d4       | 0.858 | 0.843  |            | -1.75 | 20    |
| Dibromofluoromethane        | 0.357 | 0.359  |            | 0.56  | 20    |
| Toluene-d8                  | 1.232 | 1.251  |            | 1.54  | 20    |
| 4-Bromofluorobenzene        | 0.419 | 0.433  |            | 3.34  | 20    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 119844   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 210147   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 179277   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 88069    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.946  | 65    | 100999   | 49.135   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 98.280%  |
| 35) Dibromofluoromethane  | 5.379  | 113   | 75489    | 50.272   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 100.540% |
| 50) Toluene-d8            | 8.641  | 98    | 262790   | 50.769   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 101.540% |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 91050    | 51.686   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 103.380% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 83769   | 55.175  | ug/l | 99     |
| 3) Chloromethane             | 1.295 | 50  | 87811   | 54.963  | ug/l | 99     |
| 4) Vinyl Chloride            | 1.374 | 62  | 88877   | 52.301  | ug/l | 99     |
| 5) Bromomethane              | 1.593 | 94  | 54869   | 52.486  | ug/l | 98     |
| 6) Chloroethane              | 1.666 | 64  | 50225   | 48.505  | ug/l | 98     |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 177113  | 58.296  | ug/l | 97     |
| 8) Diethyl Ether             | 2.130 | 74  | 56649   | 51.158  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78101   | 53.892  | ug/l | 99     |
| 10) Methyl Iodide            | 2.441 | 142 | 94503   | 52.213  | ug/l | 98     |
| 11) Tert butyl alcohol       | 3.002 | 59  | 78161   | 236.901 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 70195   | 50.831  | ug/l | 93     |
| 13) Acrolein                 | 2.233 | 56  | 87414   | 251.363 | ug/l | 96     |
| 14) Allyl chloride           | 2.654 | 41  | 121345  | 53.777  | ug/l | 98     |
| 15) Acrylonitrile            | 3.063 | 53  | 213507  | 265.550 | ug/l | 99     |
| 16) Acetone                  | 2.386 | 43  | 236749  | 250.770 | ug/l | 97     |
| 17) Carbon Disulfide         | 2.502 | 76  | 135635  | 47.616  | ug/l | 98     |
| 18) Methyl Acetate           | 2.703 | 43  | 113509  | 51.629  | ug/l | 98     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 267063  | 53.261  | ug/l | 100    |
| 20) Methylene Chloride       | 2.782 | 84  | 81941   | 51.146  | ug/l | 94     |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 74796   | 52.461  | ug/l | 98     |
| 22) Diisopropyl ether        | 3.758 | 45  | 257734  | 53.416  | ug/l | 95     |
| 23) Vinyl Acetate            | 3.715 | 43  | 1126489 | 272.921 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 150069  | 53.913  | ug/l | 99     |
| 25) 2-Butanone               | 4.556 | 43  | 316605  | 259.902 | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 130610  | 51.956  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 91683   | 52.023  | ug/l | 98     |
| 28) Bromochloromethane       | 4.891 | 49  | 59099   | 48.235  | ug/l | 99     |
| 29) Tetrahydrofuran          | 5.001 | 42  | 192093  | 257.216 | ug/l | 99     |
| 30) Chloroform               | 5.080 | 83  | 158800  | 53.043  | ug/l | 96     |
| 31) Cyclohexane              | 5.458 | 56  | 122162  | 53.324  | ug/l | 96     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 140772  | 54.526  | ug/l | 100    |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 103967  | 55.562  | ug/l | 98     |
| 37) Ethyl Acetate            | 4.715 | 43  | 121804  | 52.440  | ug/l | 99     |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 113421  | 53.945  | ug/l | 98     |
| 39) Methylcyclohexane        | 7.373 | 83  | 133332  | 54.849  | ug/l | 98     |
| 40) Benzene                  | 6.032 | 78  | 314837  | 54.016  | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/25/2024  
 Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 61474    | 51.710  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 127580   | 54.501  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 196481   | 53.153  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 77355    | 46.882  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 78579    | 55.044  | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 60885    | 53.916  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 110672   | 54.645  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 93037    | 52.453  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 30231    | 956.809 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 607788   | 269.433 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 191750   | 54.965  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 113533   | 54.971  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 122380   | 54.052  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 75441    | 52.387  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 121914   | 54.352  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 132364   | 54.563  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 301050   | 244.819 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 456702   | 269.358 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 77811    | 53.853  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 78690    | 54.040  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 64266    | 54.365  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.073 | 112  | 207265   | 52.640  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 70047    | 54.854  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 369374   | 55.362  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 275579   | 110.758 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 134066   | 55.187  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 225568   | 56.140  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 47233    | 48.773  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 352296   | 52.039  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 162994   | 51.973  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 119153   | 51.403  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 100223m  | 51.893  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 82907    | 51.338  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 406514   | 53.765  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 246574   | 51.573  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 295006   | 52.968  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 34321    | 48.492  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 281758   | 52.200  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 291225   | 52.754  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 299186   | 53.956  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 360460   | 53.293  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 304159   | 55.361  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 153209   | 52.089  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 154469   | 51.511  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 268422   | 55.414  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 47025    | 50.336  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 155184   | 52.281  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 24188    | 52.076  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 94940    | 54.252  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 35816    | 51.785  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 347826   | 55.215  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 97491    | 55.041  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043950.D  
Acq On : 22 Nov 2024 11:22  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

**Manual Integrations**  
**APPROVED**

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:17:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112224\  
Data File : VX043950.D  
Acq On    : 22 Nov 2024 11:22  
Operator  : JC/MD  
Sample    : VSTDCCC050  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 2 Sample Multiplier: 1
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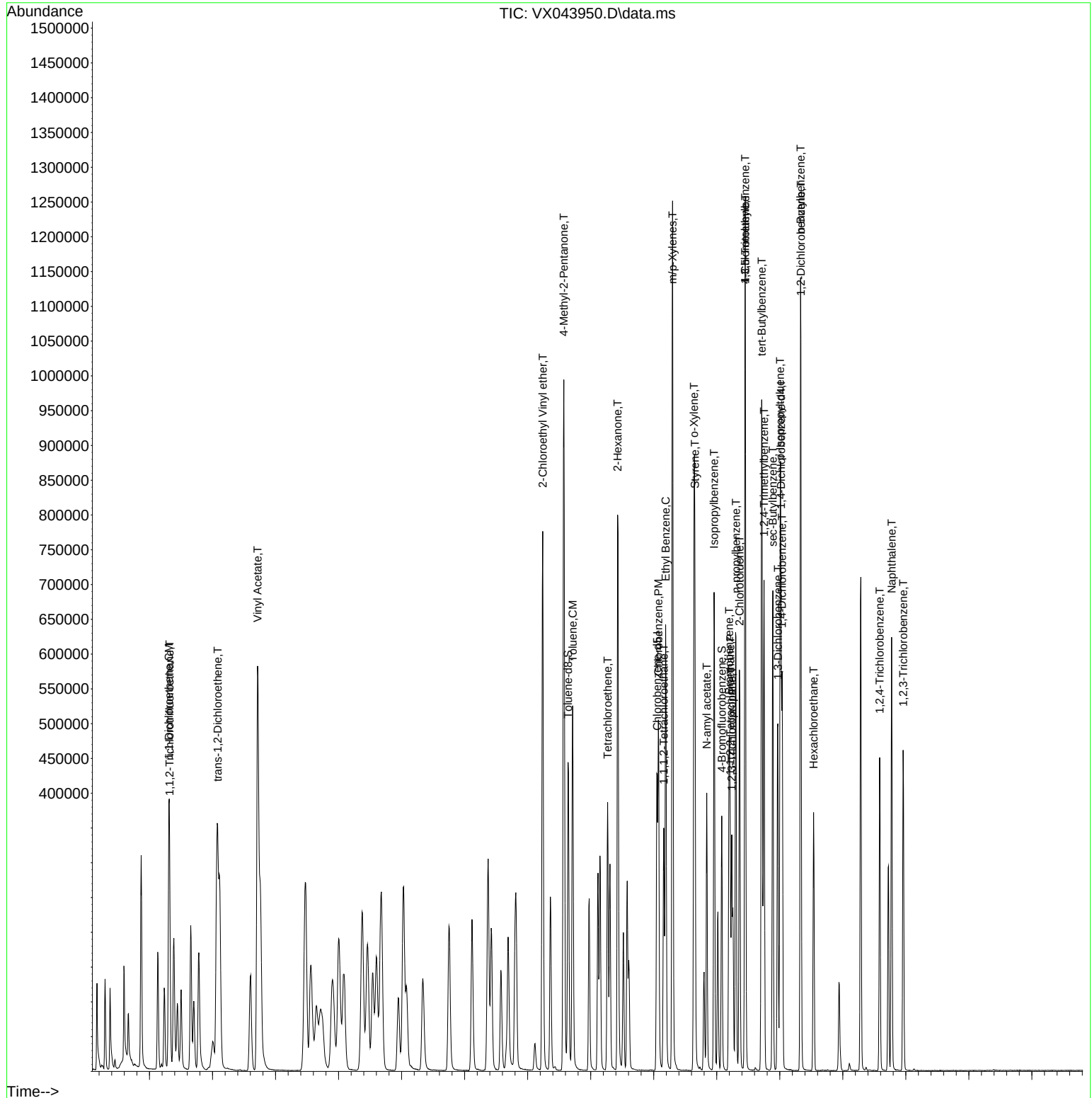
**Instrument :**  
MSVOA\_X

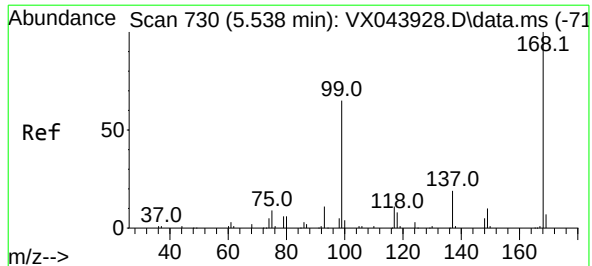
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

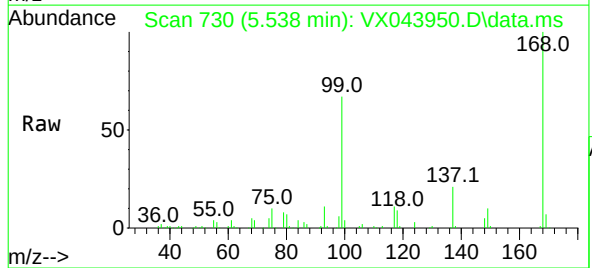
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

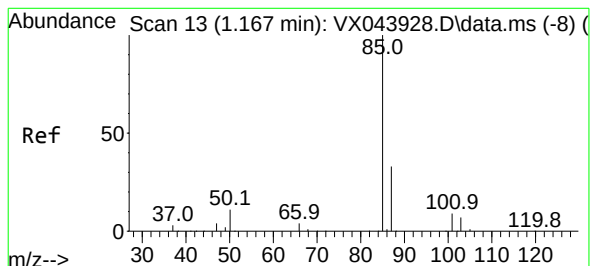
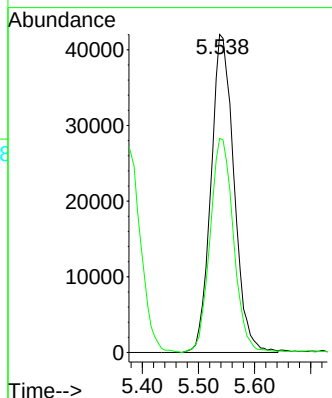
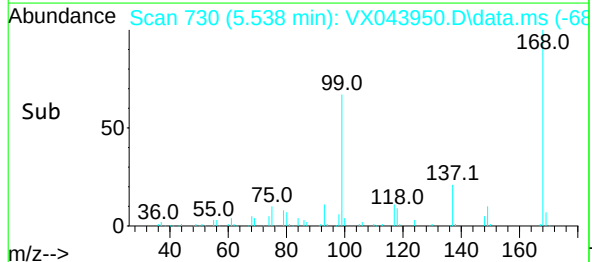
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 168 Resp: 119844  
Ion Ratio Lower Upper  
168 100  
99 67.1 51.8 77.8

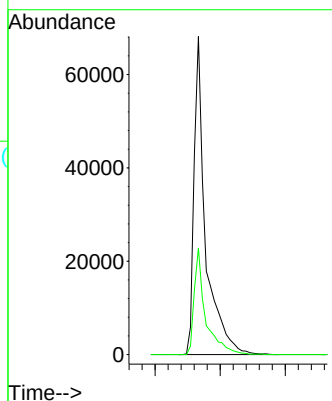
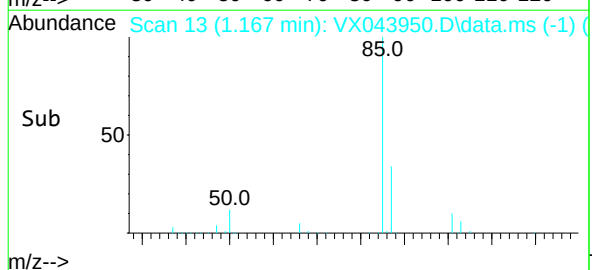
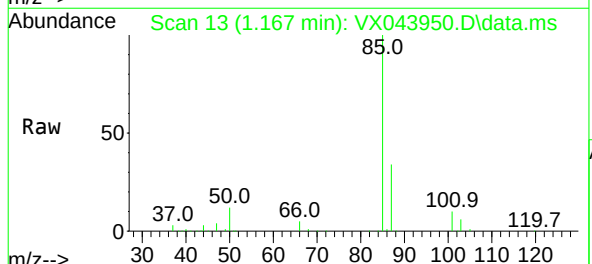
Manual Integrations  
APPROVED

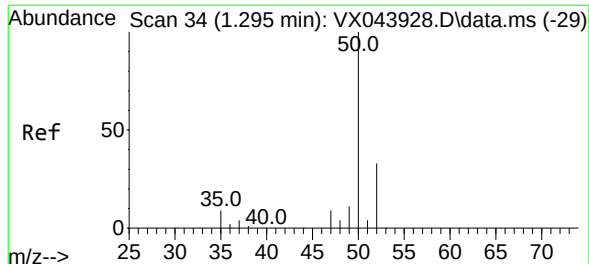
Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024



#2  
Dichlorodifluoromethane  
Concen: 55.175 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 83769  
Ion Ratio Lower Upper  
85 100  
87 33.5 16.6 49.8





#3

Chloromethane

Concen: 54.963 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 87811

Ion Ratio Lower Upper

50 100

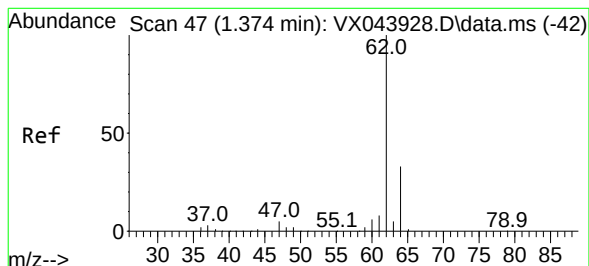
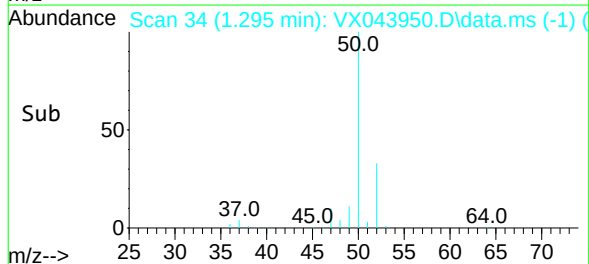
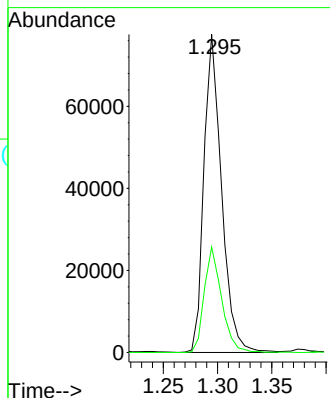
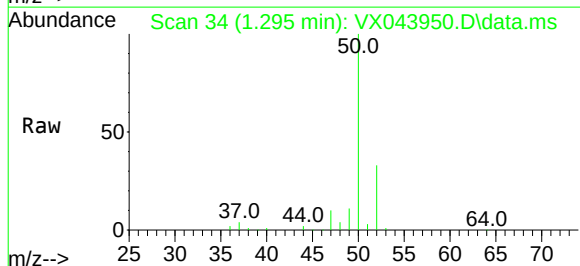
52 33.1 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#4

Vinyl Chloride

Concen: 52.301 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043950.D

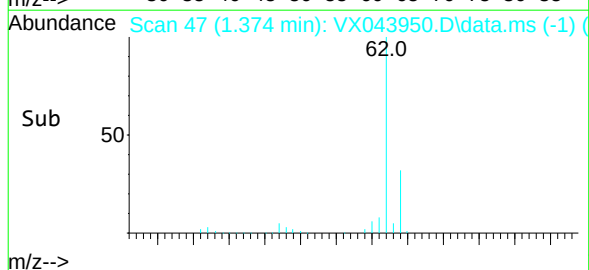
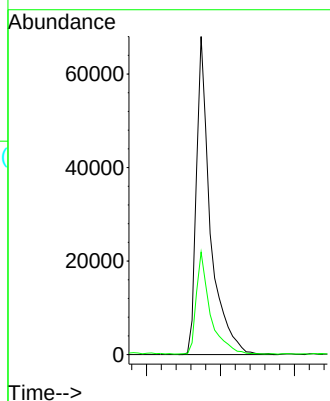
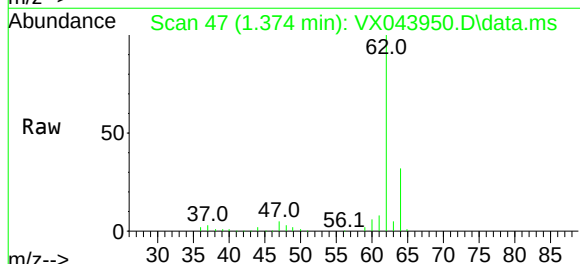
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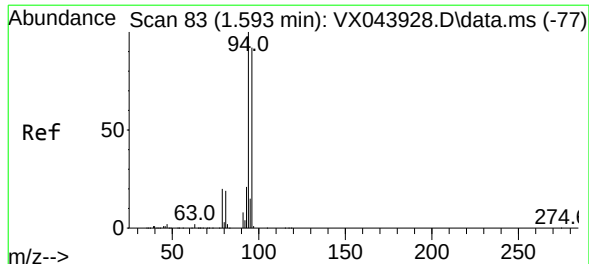
Tgt Ion: 62 Resp: 88877

Ion Ratio Lower Upper

62 100

64 32.1 26.2 39.4





#5

Bromomethane

Concen: 52.486 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 54869

Ion Ratio Lower Upper

94 100

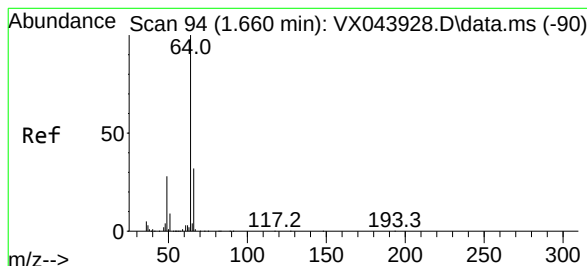
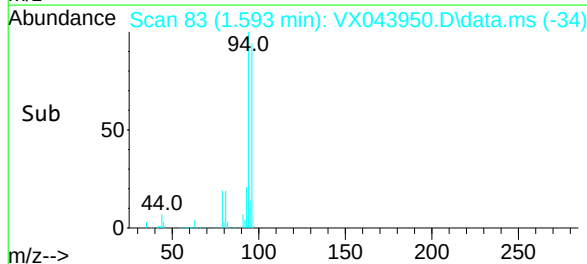
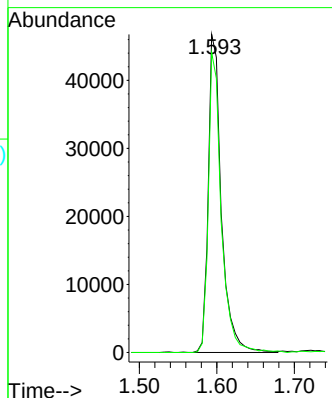
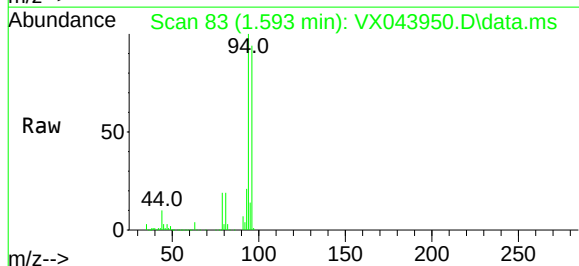
96 94.3 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 48.505 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043950.D

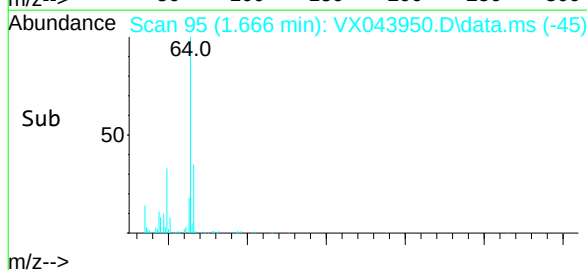
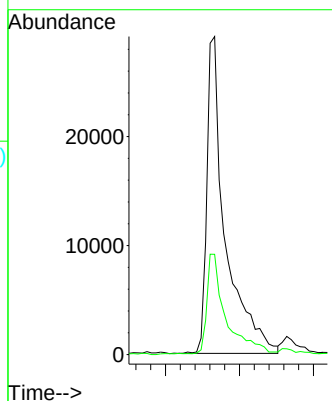
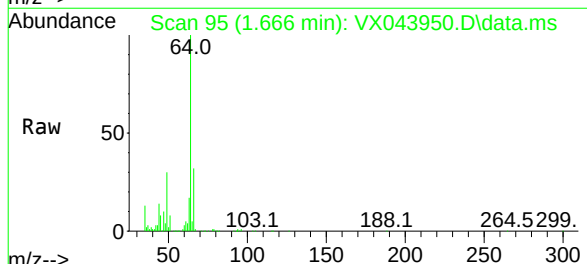
Acq: 22 Nov 2024 11:22

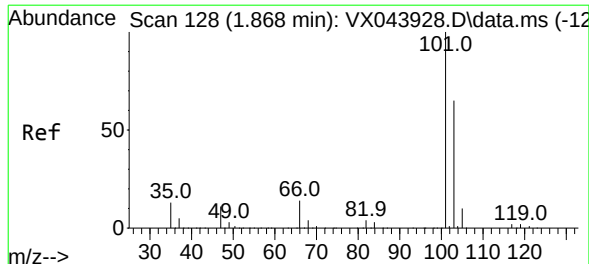
Tgt Ion: 64 Resp: 50225

Ion Ratio Lower Upper

64 100

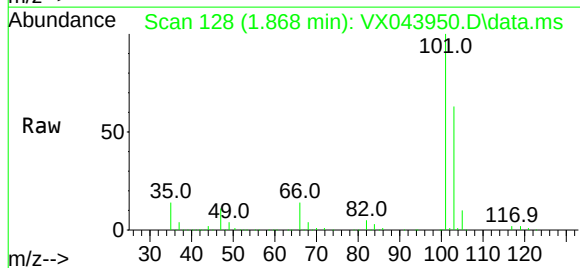
66 31.3 25.9 38.9





Trichlorofluoromethane  
 Concen: 58.296 ug/l  
 RT: 1.868 min Scan# 128  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

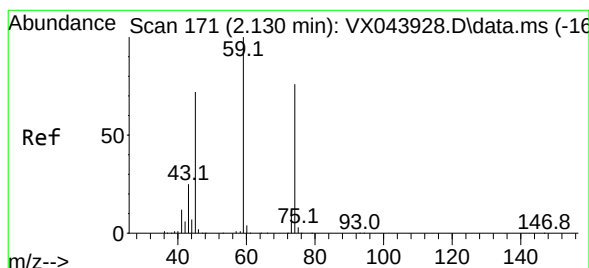
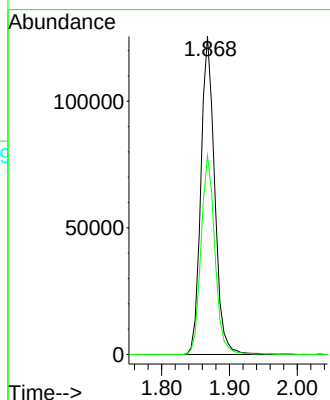
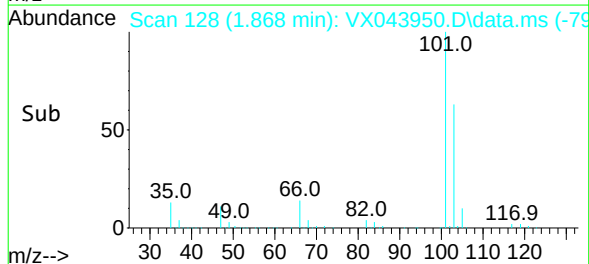
Instrument : MSVOA\_X  
 ClientSampleId : VSTDCCC050



Tgt Ion: 101 Resp: 177113  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 52.2 78.2

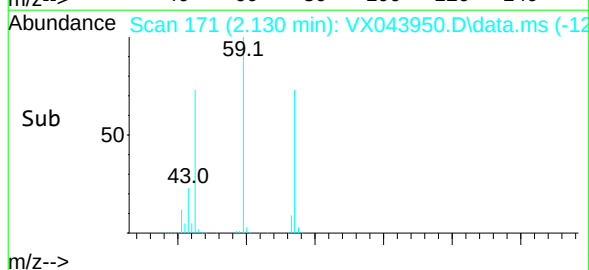
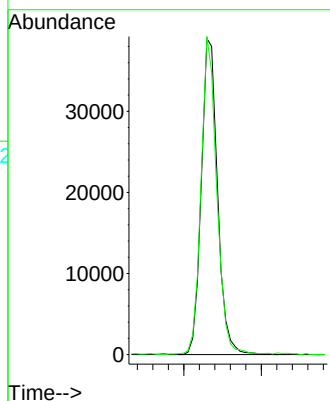
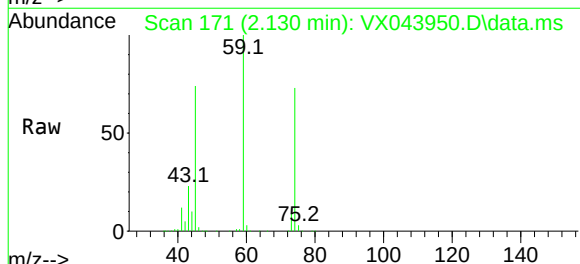
Manual Integrations  
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Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

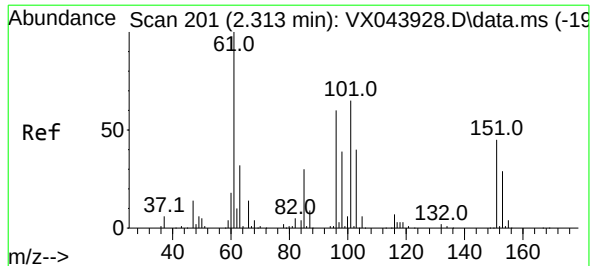


Diethyl Ether  
 Concen: 51.158 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 56649  
 Ion Ratio Lower Upper  
 74 100  
 45 97.7 47.9 143.6

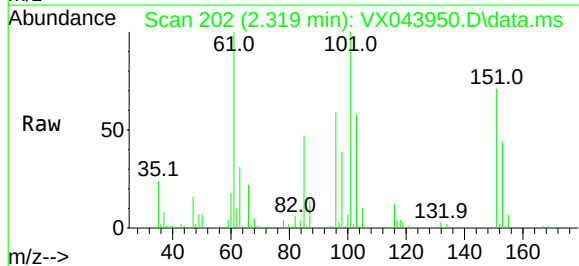






#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 53.892 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

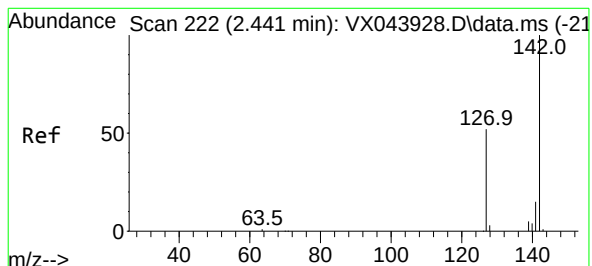
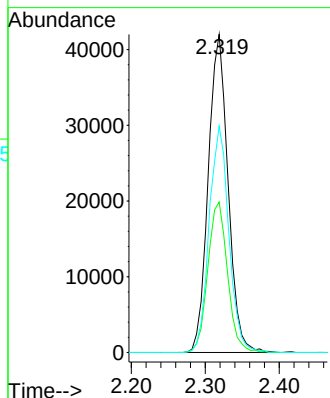
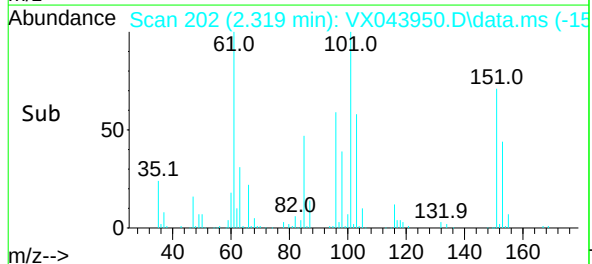
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion:101 Resp: 78101  
Ion Ratio Lower Upper  
101 100  
85 47.1 37.9 56.9  
151 70.9 57.5 86.3

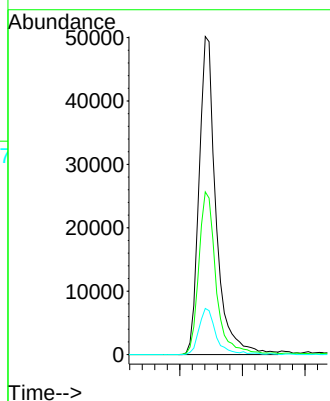
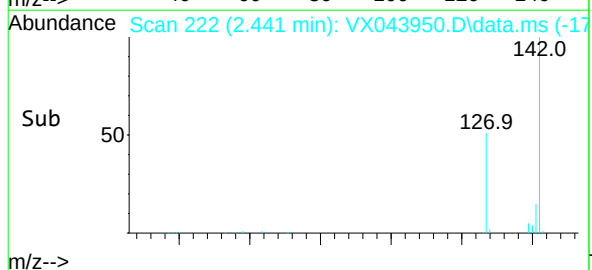
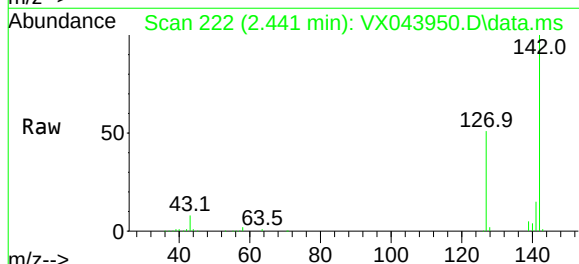
Manual Integrations  
APPROVED

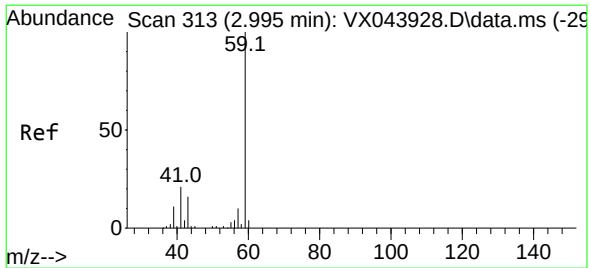
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#10  
Methyl Iodide  
Concen: 52.213 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 94503  
Ion Ratio Lower Upper  
142 100  
127 52.2 40.7 61.1  
141 14.7 12.0 18.0





#11

Tert butyl alcohol

Concen: 236.901 ug/l

RT: 3.002 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 78161

Ion Ratio Lower Upper

59 100

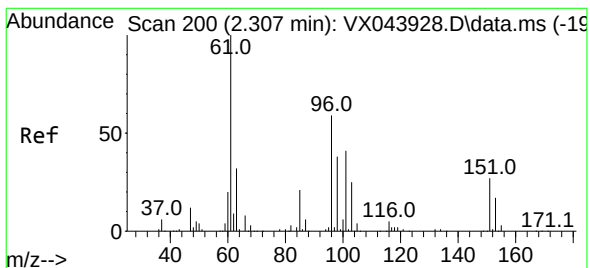
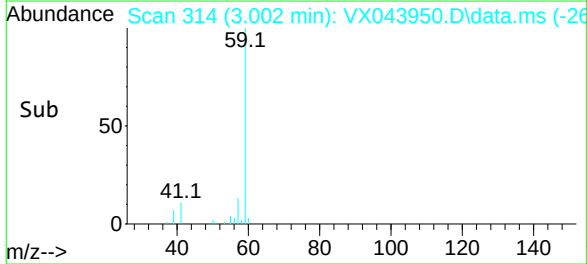
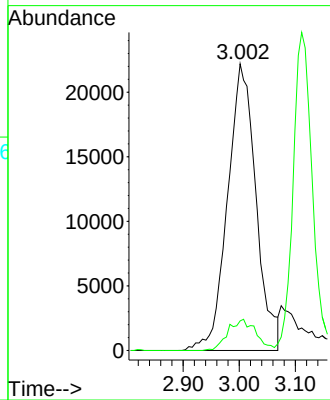
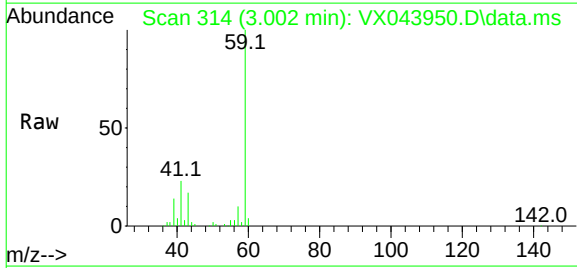
57 10.6 7.9 11.9

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 50.831 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

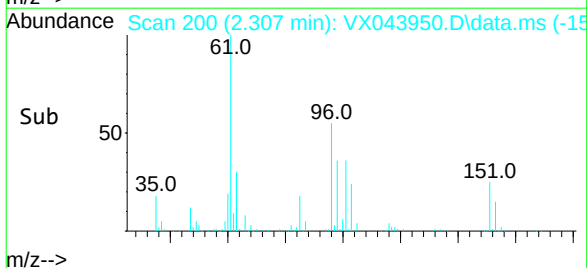
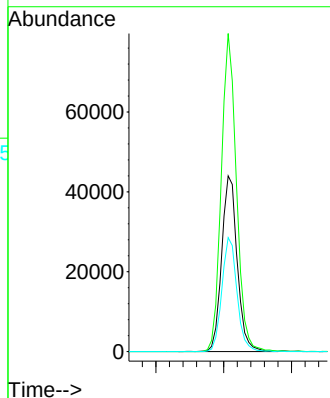
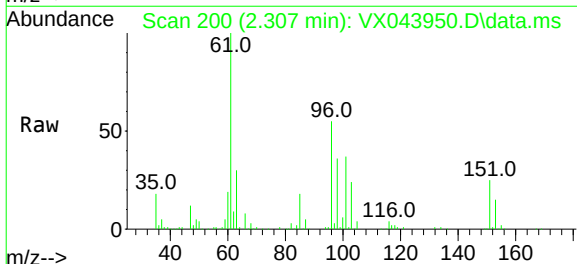
Tgt Ion: 96 Resp: 70195

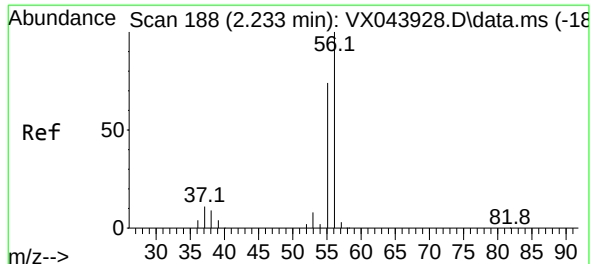
Ion Ratio Lower Upper

96 100

61 181.0 135.5 203.3

98 64.9 50.8 76.2





#13

Acrolein

Concen: 251.363 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 87414

Ion Ratio Lower Upper

56 100

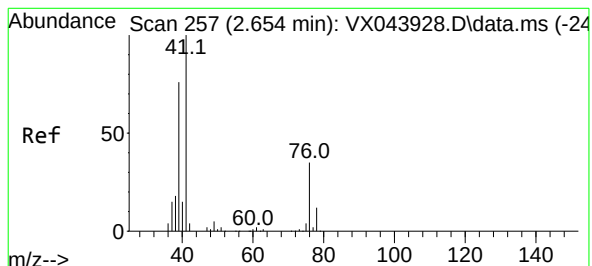
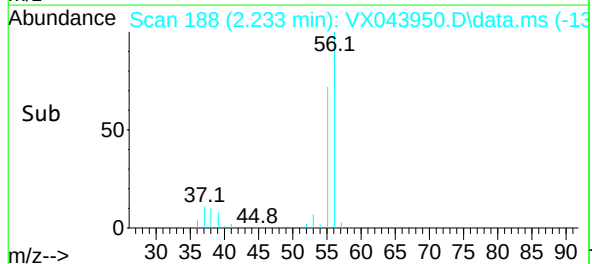
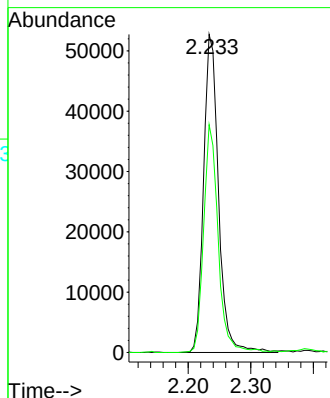
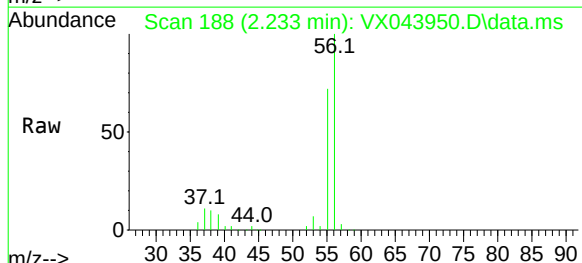
55 69.6 58.2 87.2

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 53.777 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

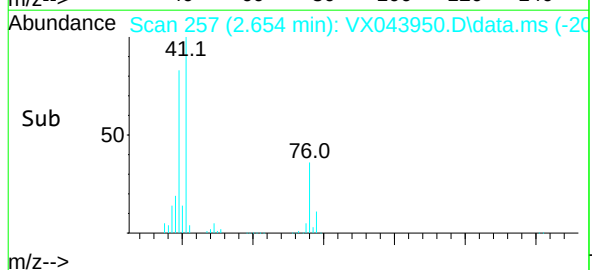
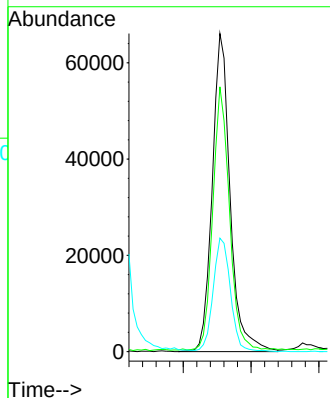
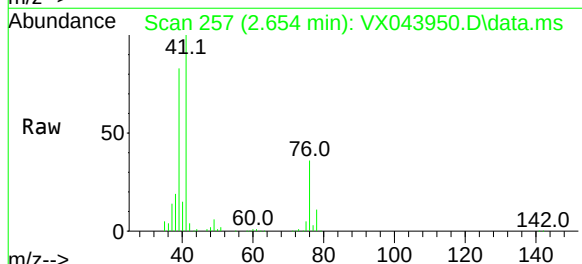
Tgt Ion: 41 Resp: 121345

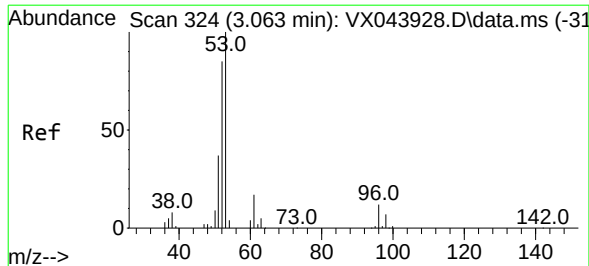
Ion Ratio Lower Upper

41 100

39 76.8 59.5 89.3

76 34.5 27.4 41.2





#15

Acrylonitrile

Concen: 265.550 ug/l

RT: 3.063 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

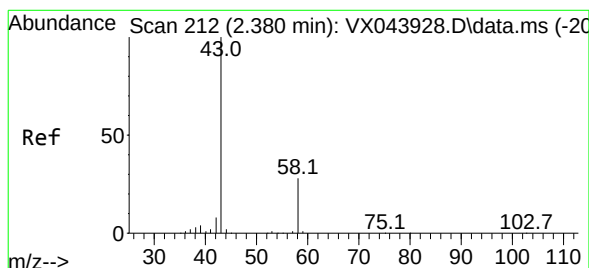
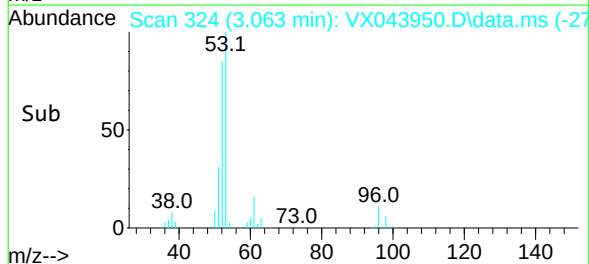
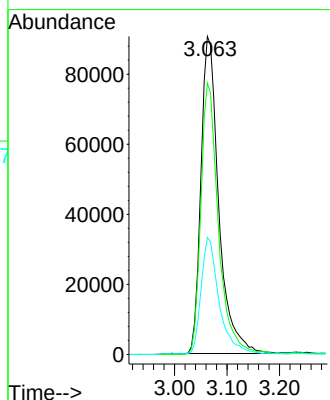
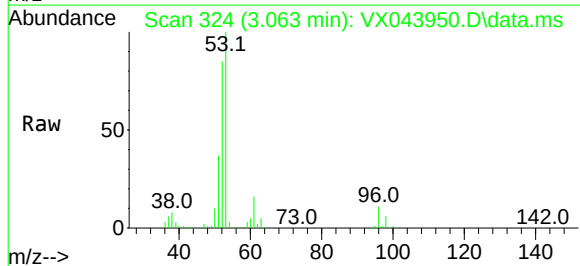
VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 213507 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.3  | 66.5  | 99.7   |
| 51       | 37.3  | 30.2  | 45.4   |

Manual Integrations

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Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 250.770 ug/l

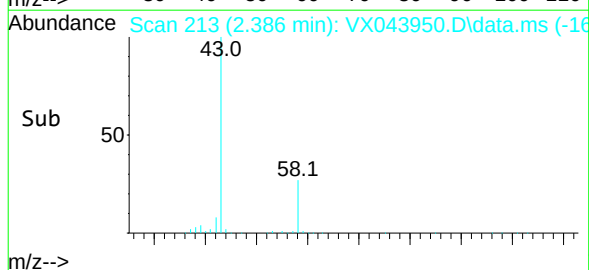
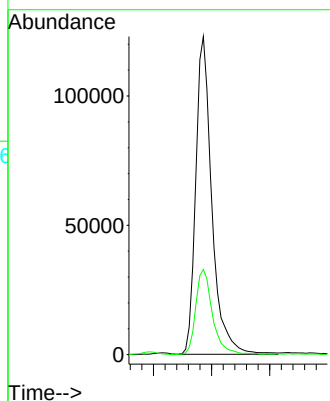
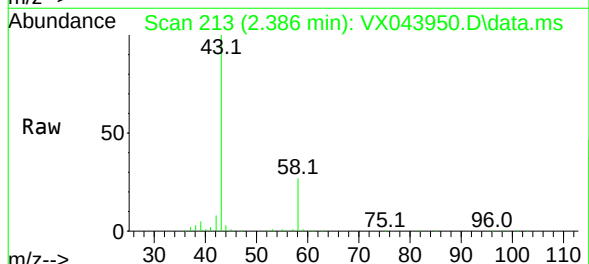
RT: 2.386 min Scan# 213

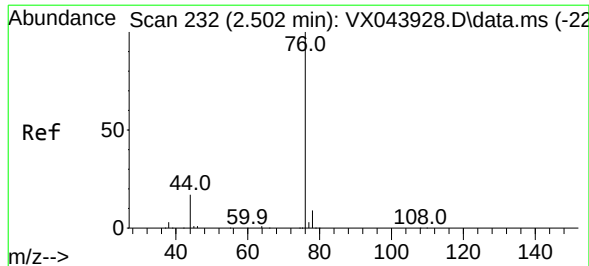
Delta R.T. 0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 236749 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 26.7  | 22.7  | 34.1   |





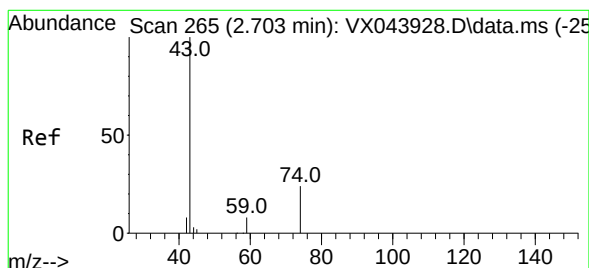
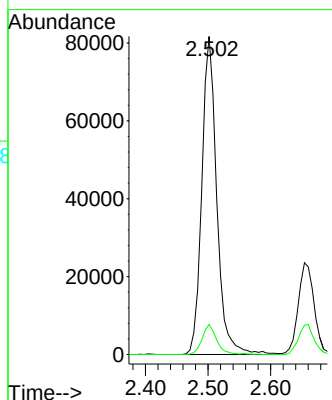
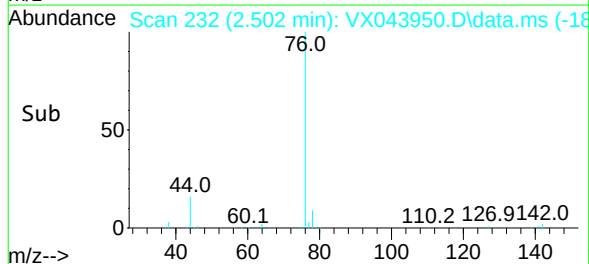
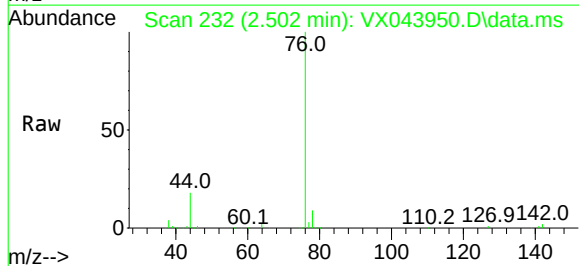
#17  
Carbon Disulfide  
Concen: 47.616 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 76 Resp: 135635  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.6

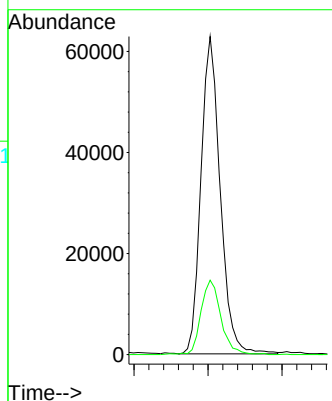
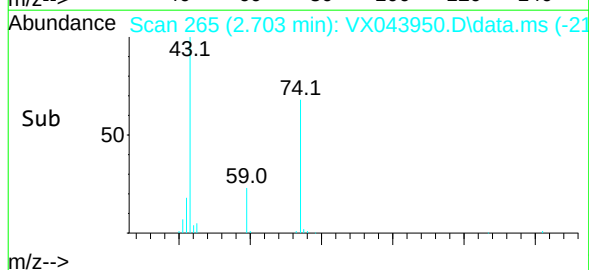
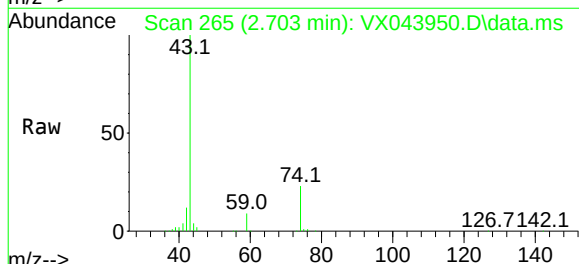
Manual Integrations  
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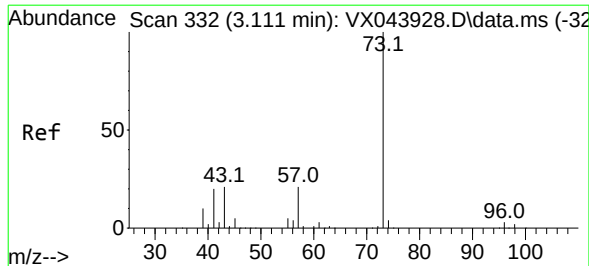
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#18  
Methyl Acetate  
Concen: 51.629 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 113509  
Ion Ratio Lower Upper  
43 100  
74 24.4 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 53.261 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 267063

Ion Ratio Lower Upper

73 100

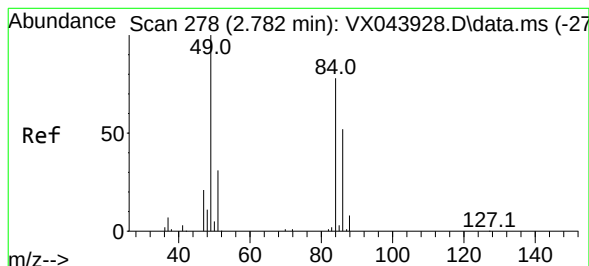
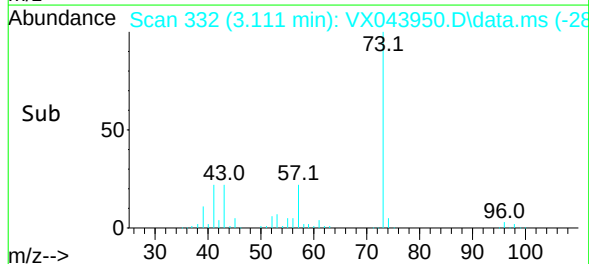
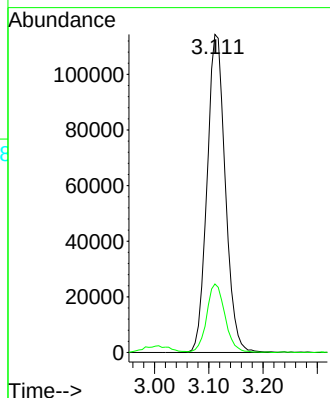
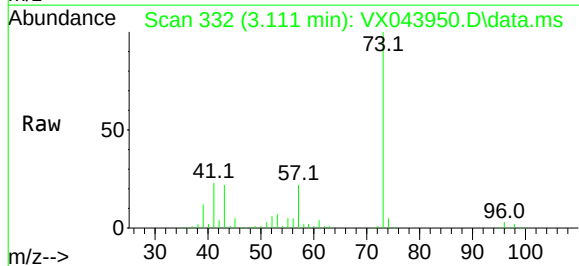
57 21.5 17.0 25.6

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 51.146 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 81941

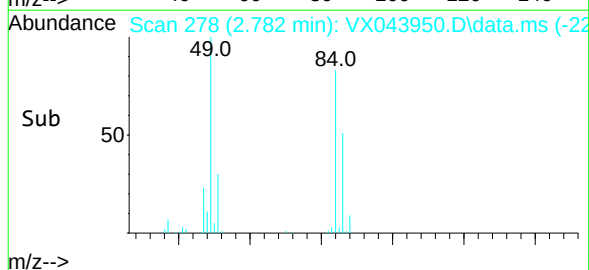
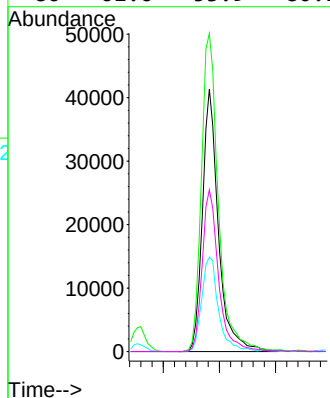
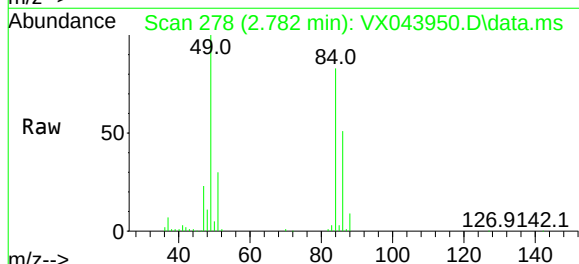
Ion Ratio Lower Upper

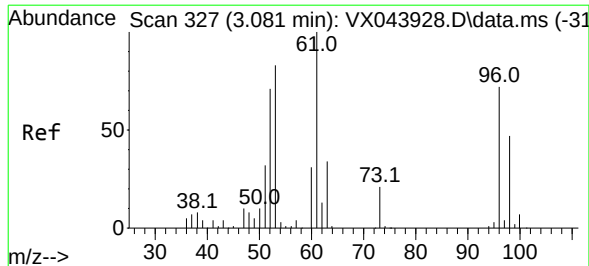
84 100

49 121.1 102.7 154.1

51 36.0 31.7 47.5

86 61.6 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 52.461 ug/l

RT: 3.081 min Scan# 327

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 74796

Ion Ratio Lower Upper

96 100

61 140.3 111.8 167.6

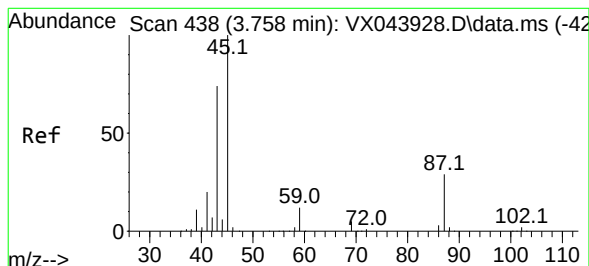
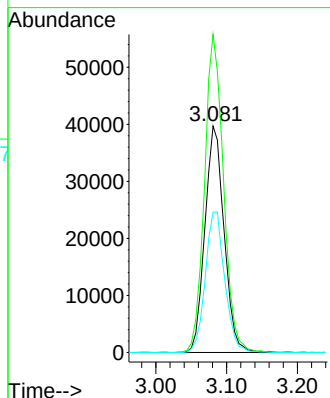
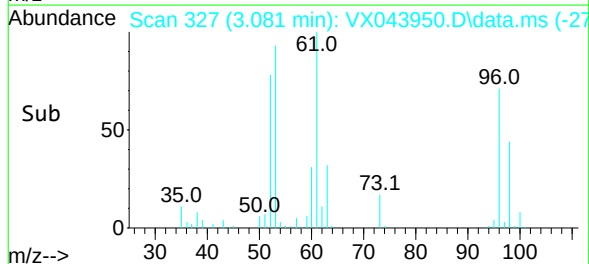
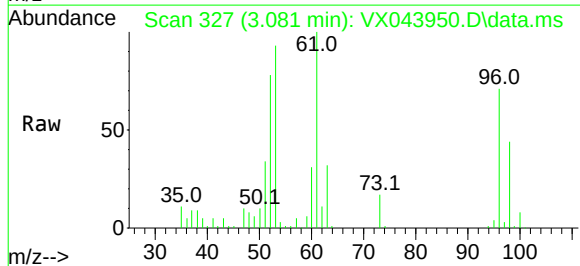
98 61.9 52.7 79.1

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 53.416 ug/l

RT: 3.758 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 257734

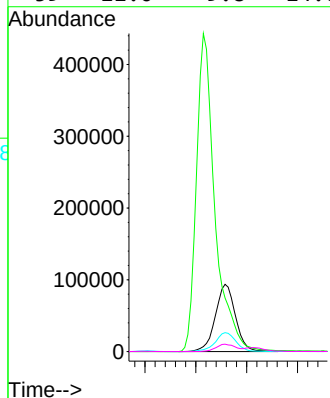
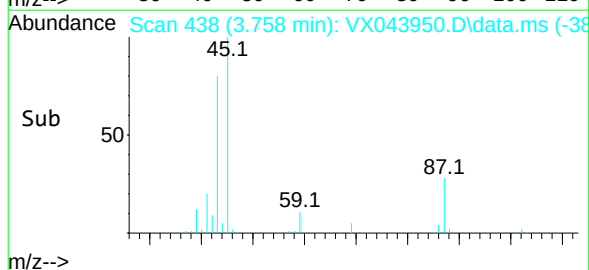
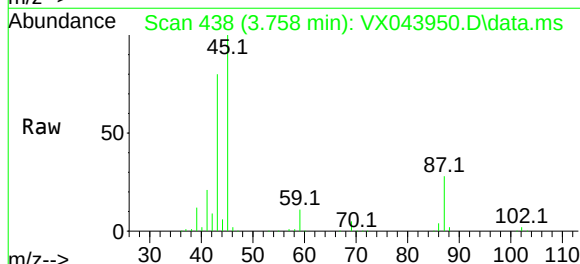
Ion Ratio Lower Upper

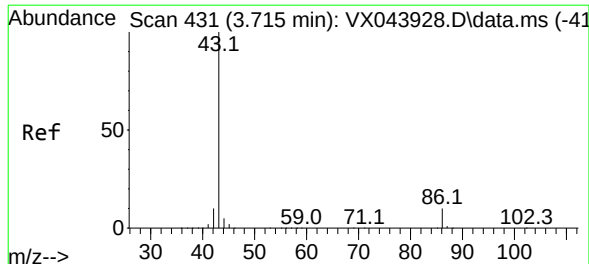
45 100

43 79.7 59.6 89.4

87 28.1 22.9 34.3

59 11.0 9.8 14.6





#23

Vinyl Acetate

Concen: 272.921 ug/l

RT: 3.715 min Scan# 43

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1126489

Ion Ratio Lower Upper

43 100

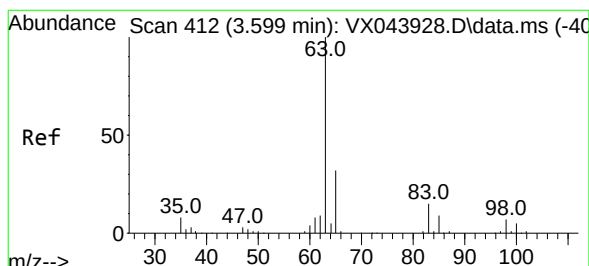
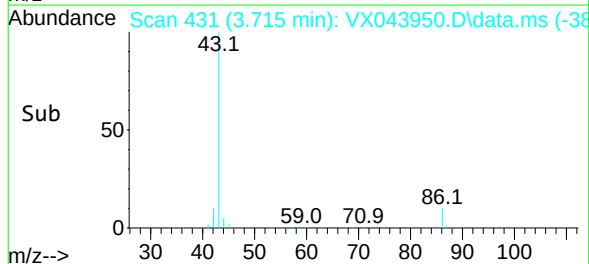
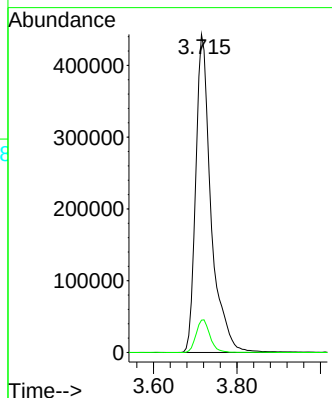
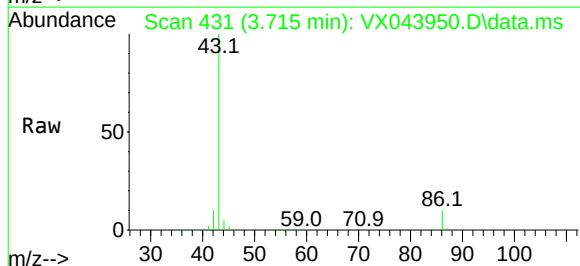
86 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 53.913 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

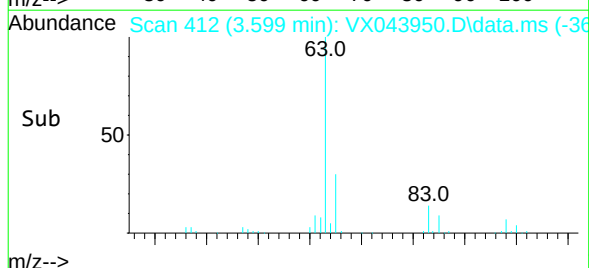
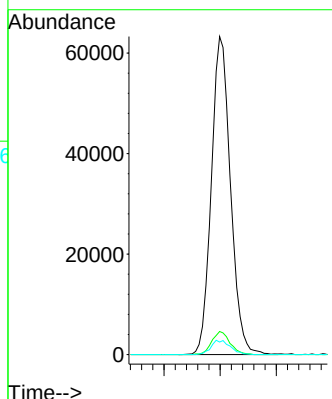
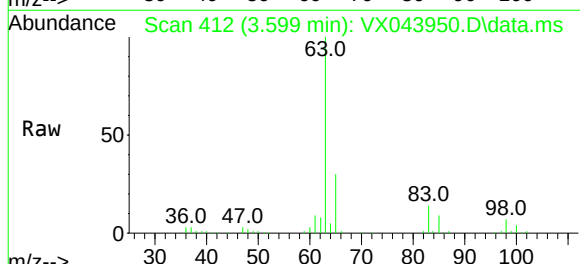
Tgt Ion: 63 Resp: 150069

Ion Ratio Lower Upper

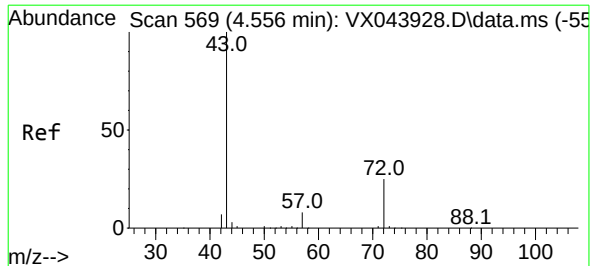
63 100

98 7.3 3.5 10.6

100 3.9 2.4 7.1







#25

2-Butanone

Concen: 259.902 ug/l

RT: 4.556 min Scan# 56

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 316605

Ion Ratio Lower Upper

43 100

72 23.8 20.2 30.2

Instrument :

MSVOA\_X

ClientSampleId :

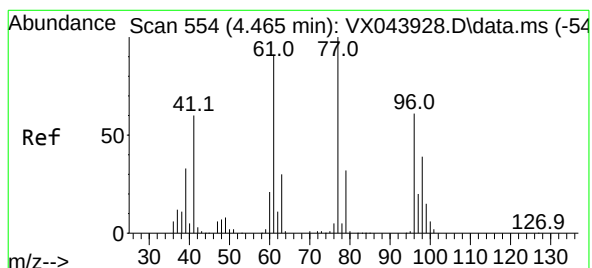
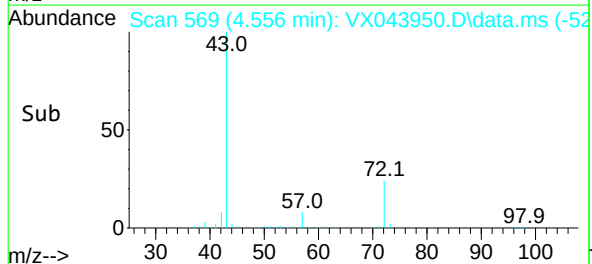
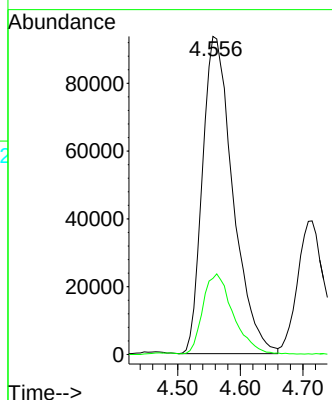
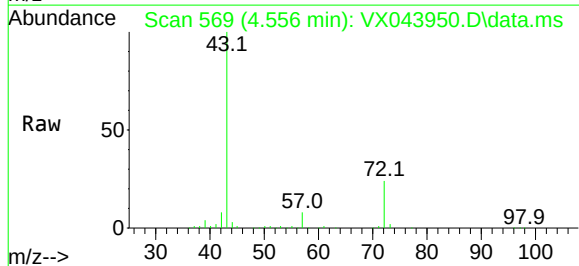
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#26

2,2-Dichloropropane

Concen: 51.956 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043950.D

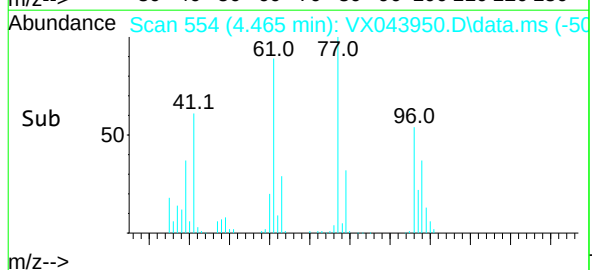
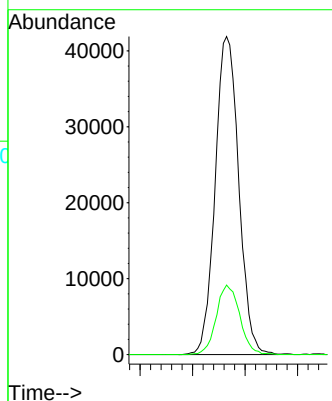
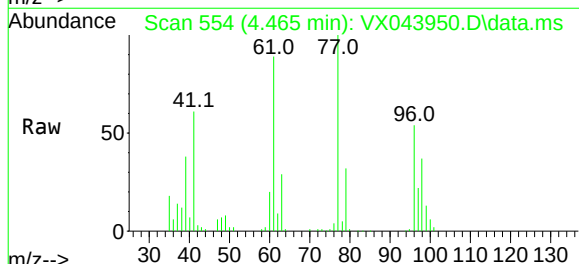
Acq: 22 Nov 2024 11:22

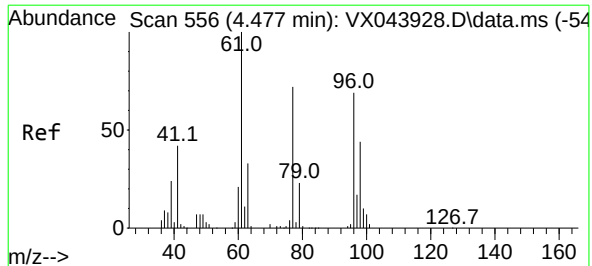
Tgt Ion: 77 Resp: 130610

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 52.023 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 91683

Ion Ratio Lower Upper

96 100

61 151.0 0.0 297.4

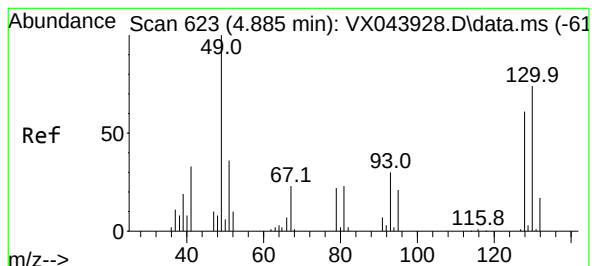
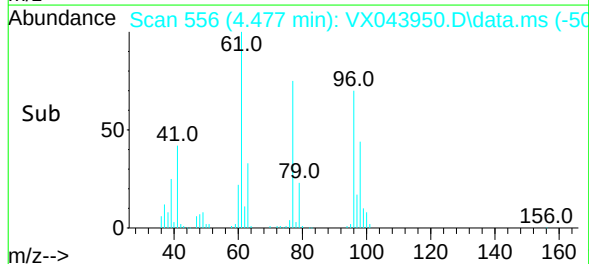
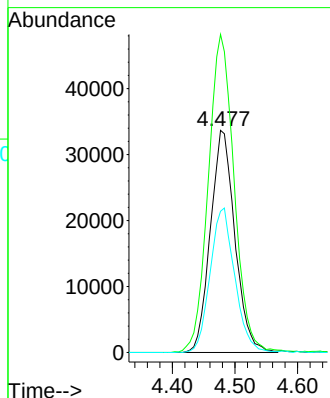
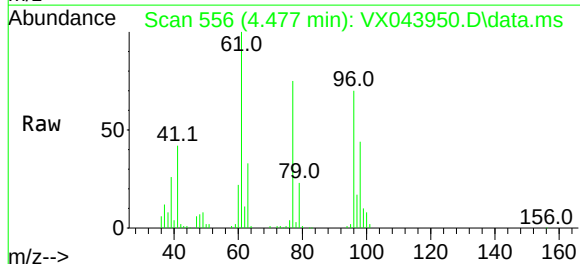
98 65.3 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#28

Bromochloromethane

Concen: 48.235 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

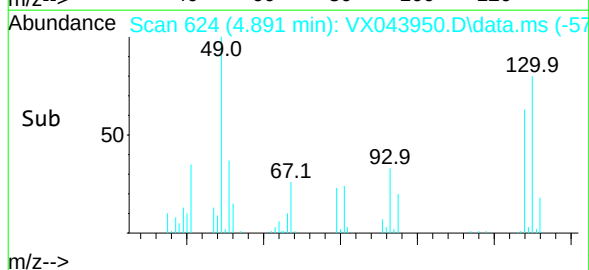
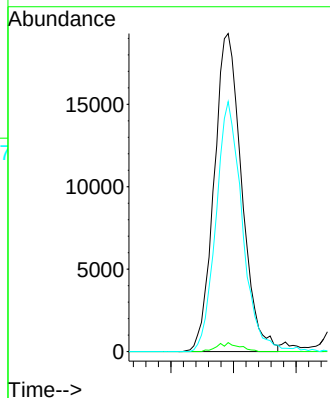
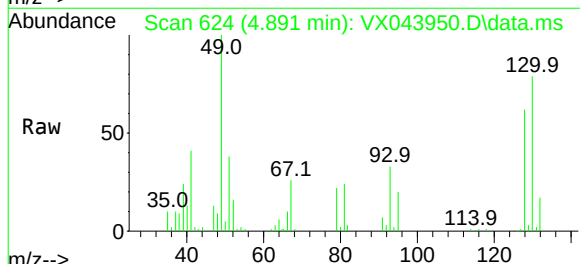
Tgt Ion: 49 Resp: 59099

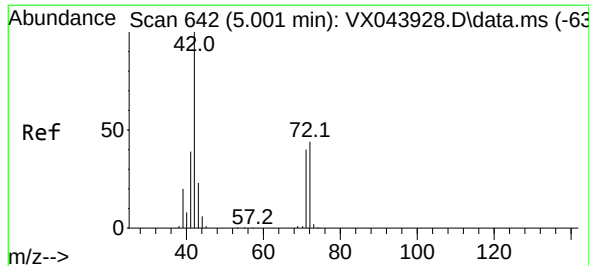
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

130 74.9 59.0 88.6





#29

Tetrahydrofuran

Concen: 257.216 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 192093

Ion Ratio Lower Upper

42 100

72 44.9 36.4 54.6

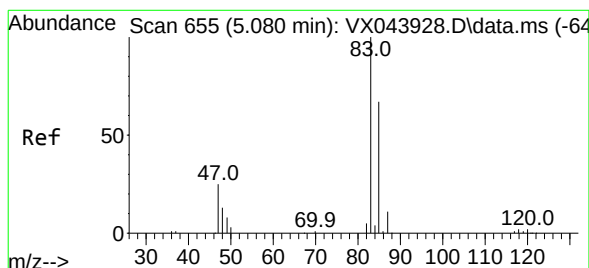
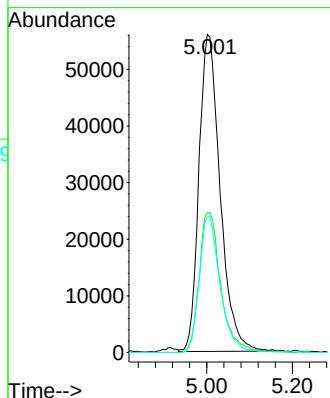
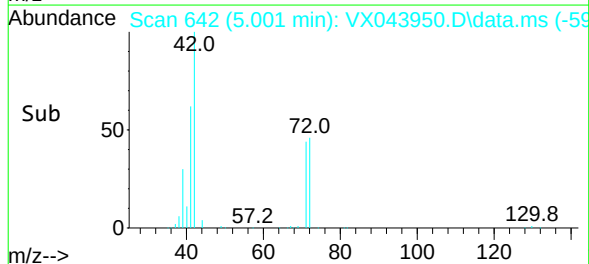
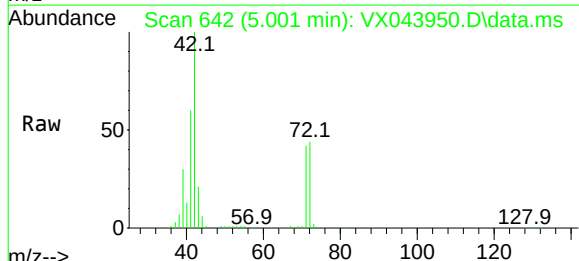
71 42.2 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 53.043 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX043950.D

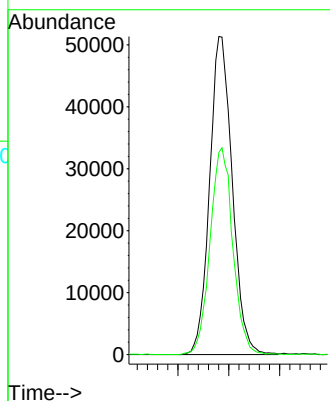
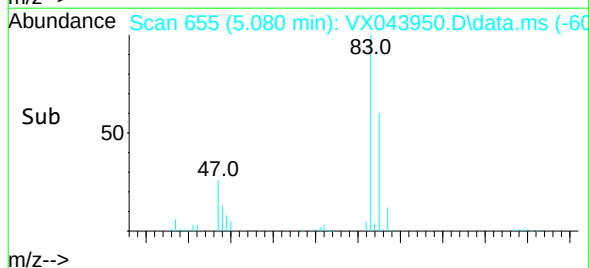
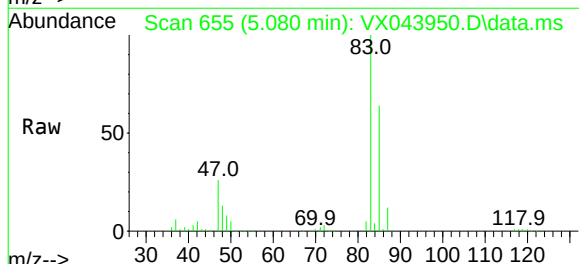
Acq: 22 Nov 2024 11:22

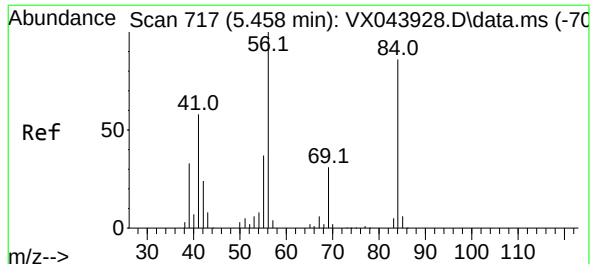
Tgt Ion: 83 Resp: 158800

Ion Ratio Lower Upper

83 100

85 63.5 53.5 80.3





#31

Cyclohexane

Concen: 53.324 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 122162

Ion Ratio Lower Upper

56 100

69 30.0 24.7 37.1

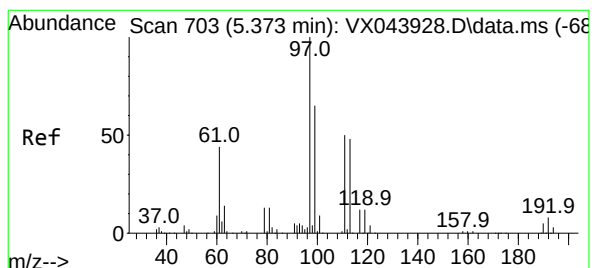
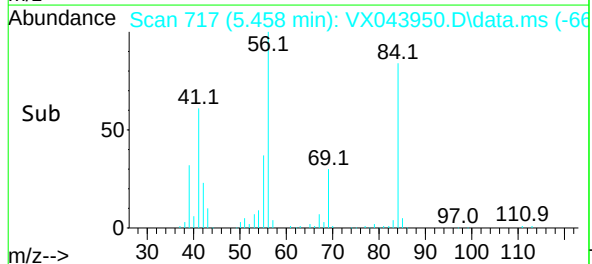
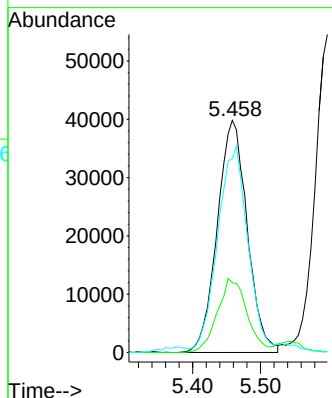
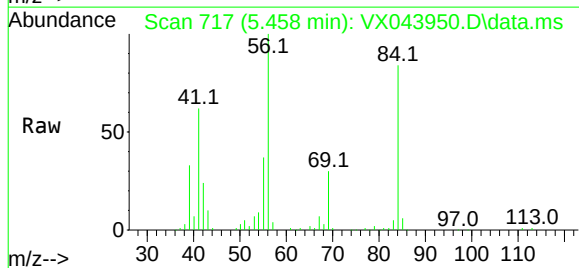
84 81.2 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 54.526 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

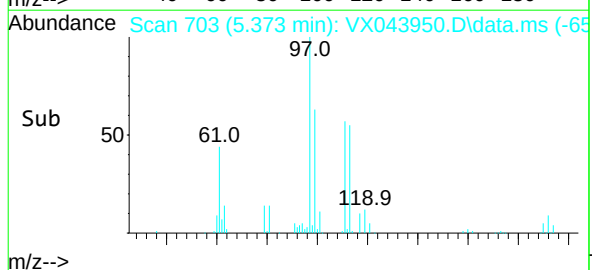
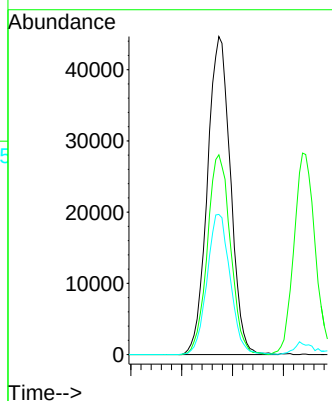
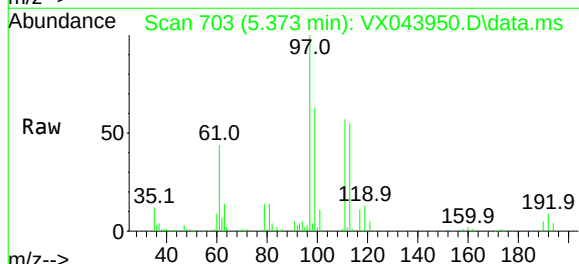
Tgt Ion: 97 Resp: 140772

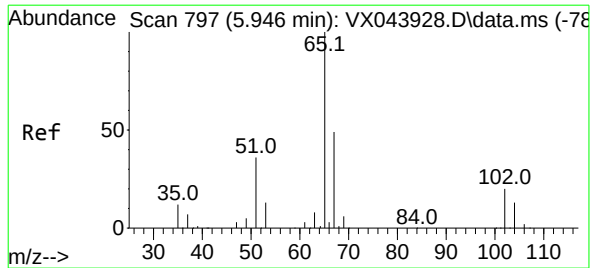
Ion Ratio Lower Upper

97 100

99 62.9 50.8 76.2

61 44.3 35.4 53.2





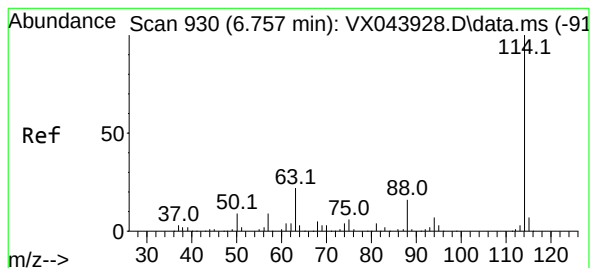
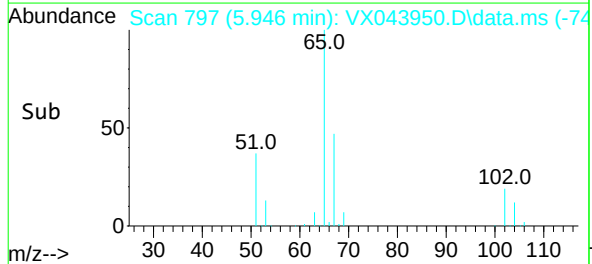
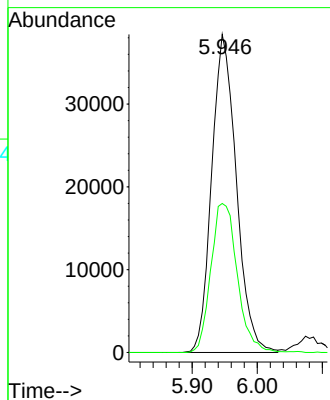
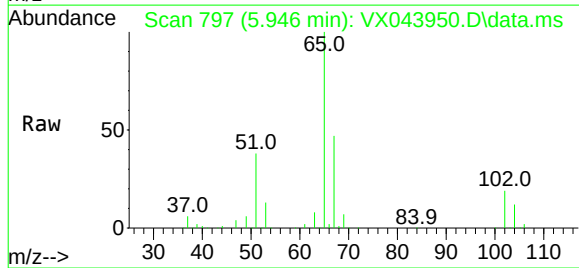
#33  
1,2-Dichloroethane-d4  
Concen: 49.135 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 65 Resp: 100999  
Ion Ratio Lower Upper  
65 100  
67 50.1 0.0 100.8

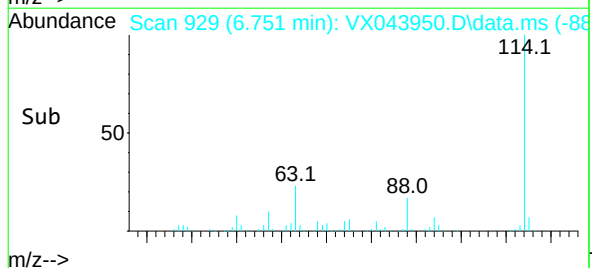
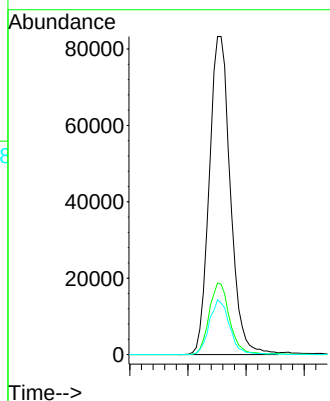
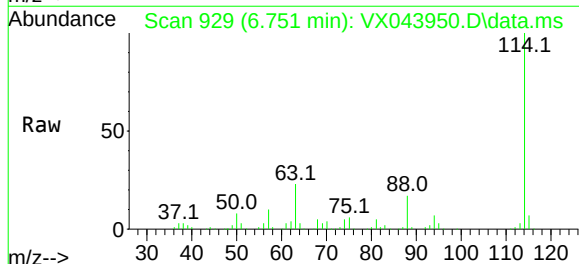
Manual Integrations  
APPROVED

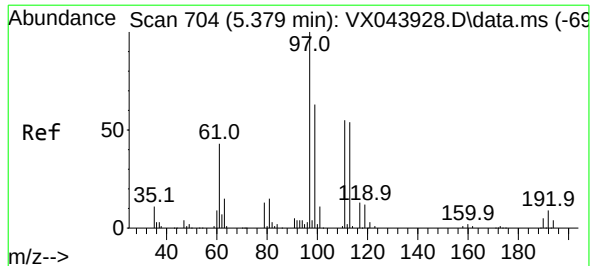
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.751 min Scan# 929  
Delta R.T. -0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

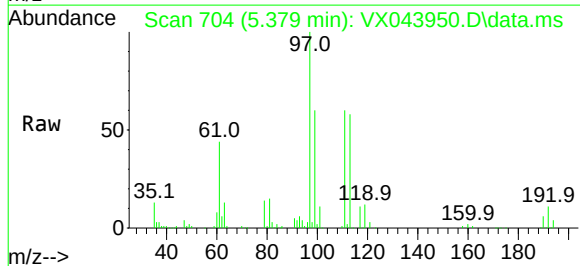
Tgt Ion:114 Resp: 210147  
Ion Ratio Lower Upper  
114 100  
63 22.5 0.0 44.0  
88 17.3 0.0 32.4





#35  
Dibromofluoromethane  
Concen: 50.272 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

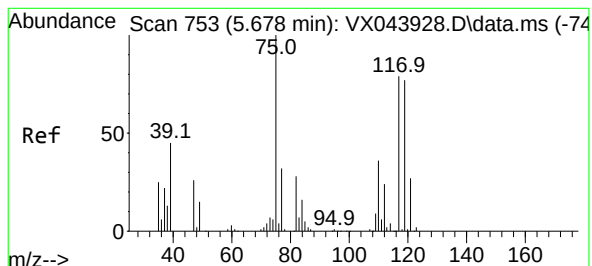
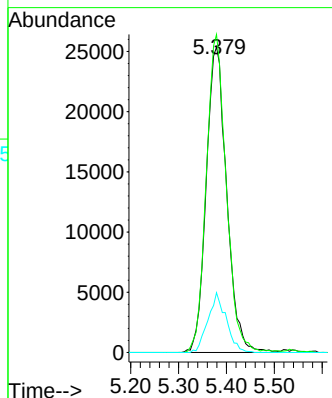
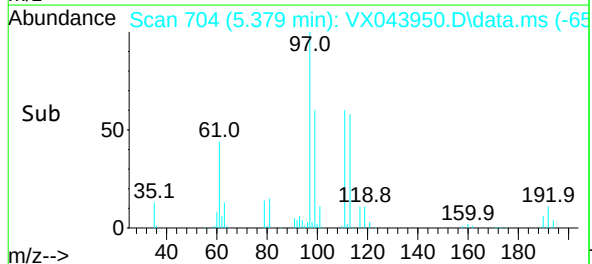
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 113 Resp: 75489  
Ion Ratio Lower Upper  
113 100  
111 101.0 81.0 121.4  
192 17.5 13.0 19.6

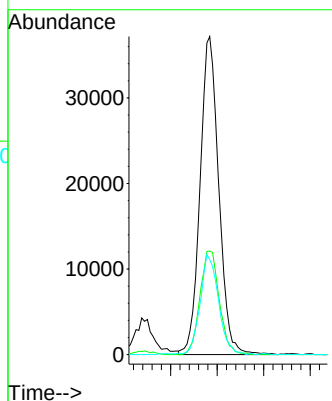
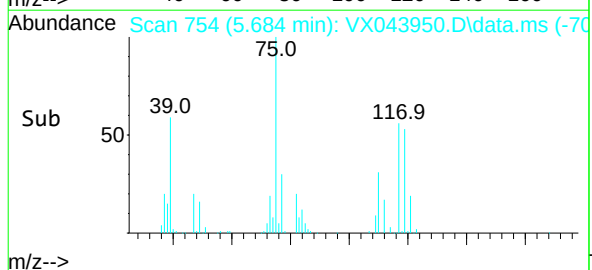
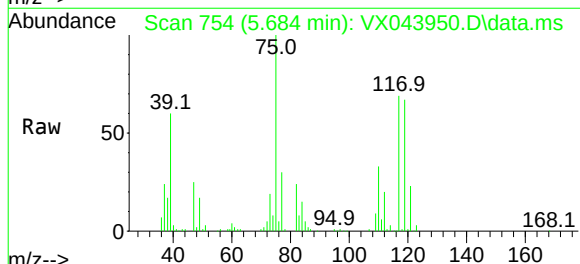
Manual Integrations  
**APPROVED**

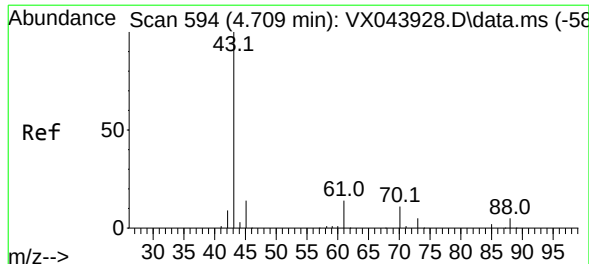
Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024



#36  
1,1-Dichloropropene  
Concen: 55.562 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 103967  
Ion Ratio Lower Upper  
75 100  
110 33.7 17.4 52.2  
77 30.9 25.8 38.8





#37

Ethyl Acetate

Concen: 52.440 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 121804

Ion Ratio Lower Upper

43 100

61 13.3 10.7 16.1

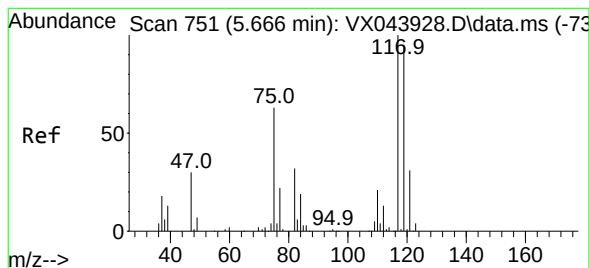
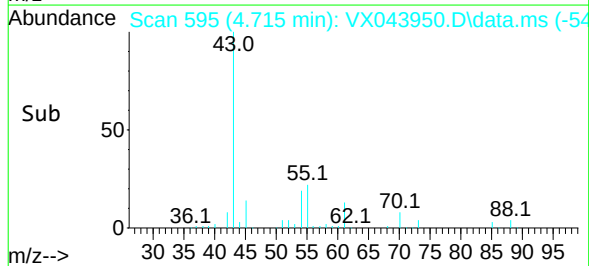
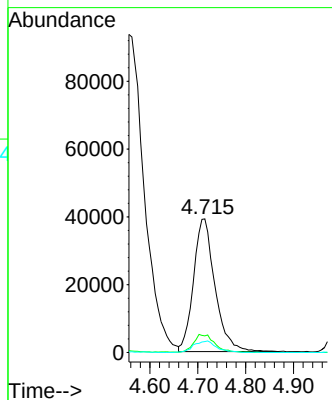
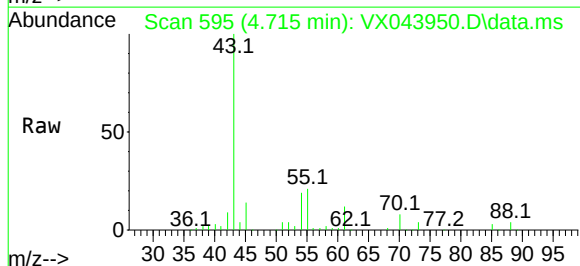
70 9.2 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 53.945 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

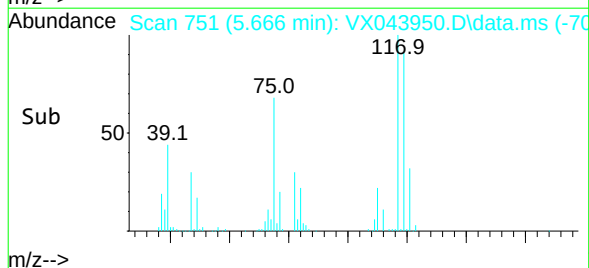
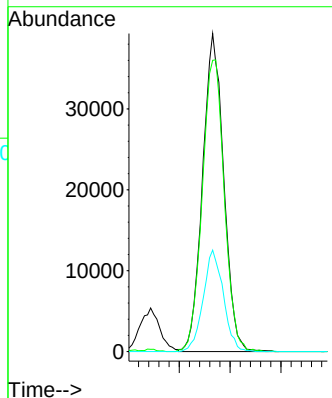
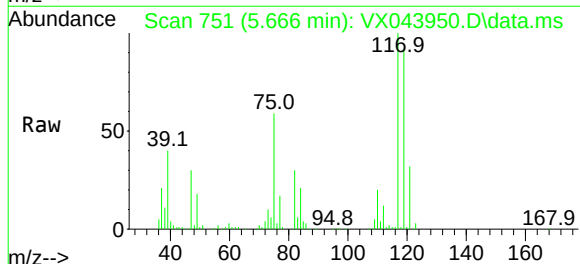
Tgt Ion:117 Resp: 113421

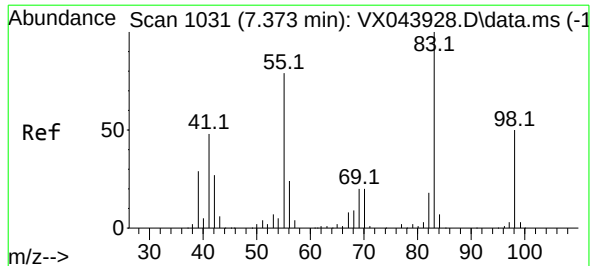
Ion Ratio Lower Upper

117 100

119 91.6 75.2 112.8

121 31.9 24.5 36.7





#39

Methylcyclohexane

Concen: 54.849 ug/l

RT: 7.373 min Scan# 10

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 133332

Ion Ratio Lower Upper

83 100

55 77.4 63.1 94.7

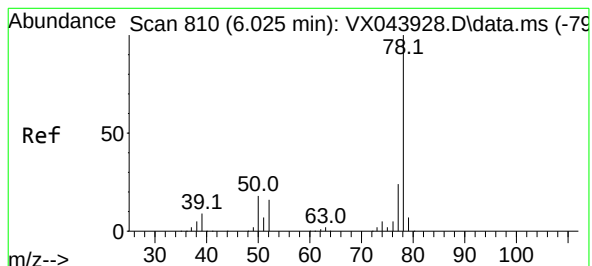
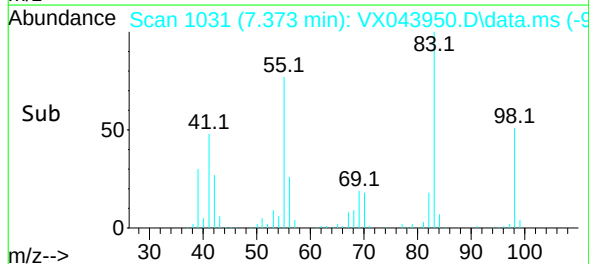
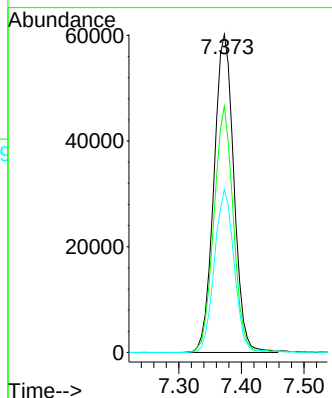
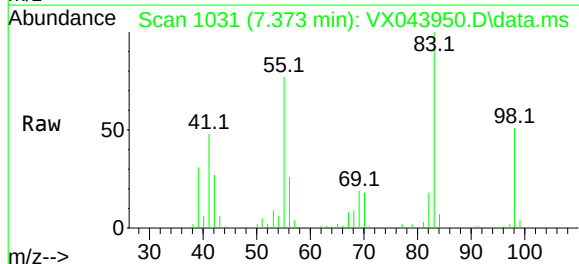
98 51.2 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 54.016 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043950.D

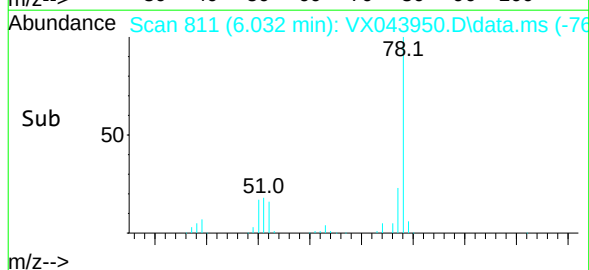
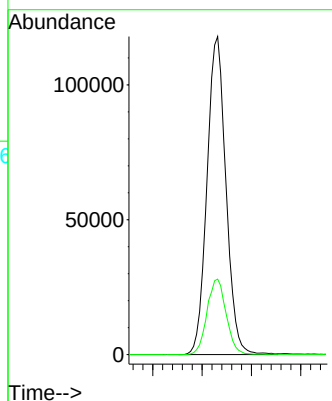
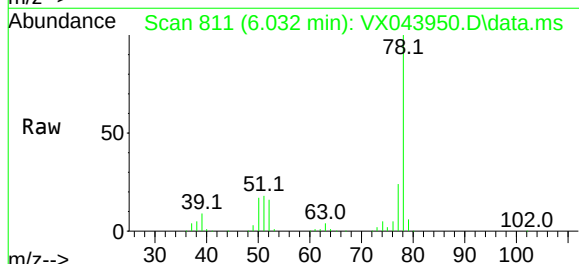
Acq: 22 Nov 2024 11:22

Tgt Ion: 78 Resp: 314837

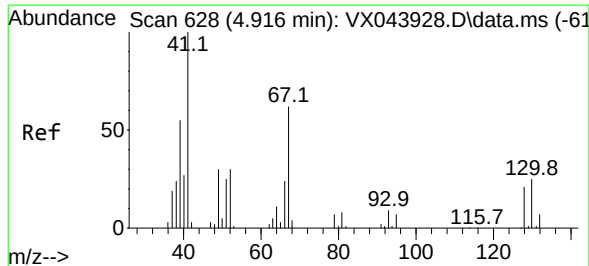
Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8







#41

Methacrylonitrile

Concen: 51.710 ug/l

RT: 4.922 min Scan# 62

Delta R.T. 0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 61474

Ion Ratio Lower Upper

41 100

39 57.2 41.7 62.5

67 74.2 55.8 83.8

52 34.9 24.0 36.0

Instrument :

MSVOA\_X

ClientSampleId :

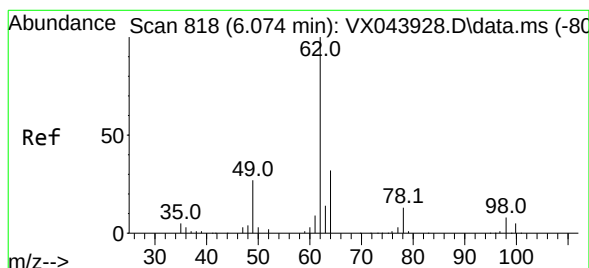
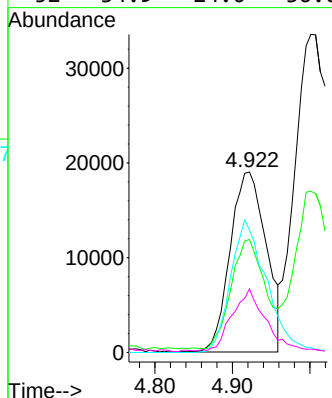
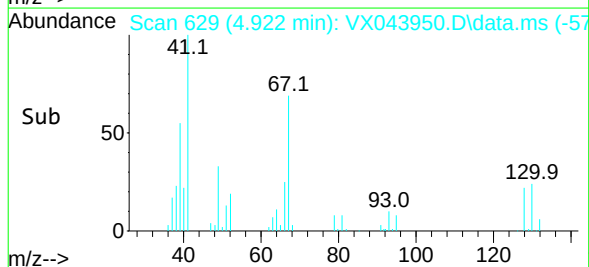
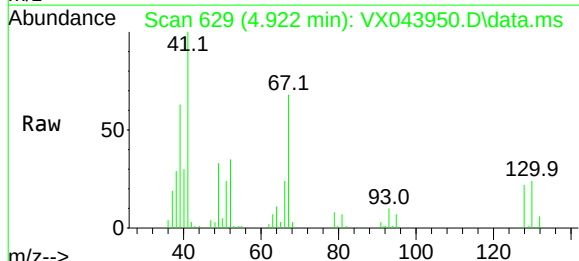
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 54.501 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX043950.D

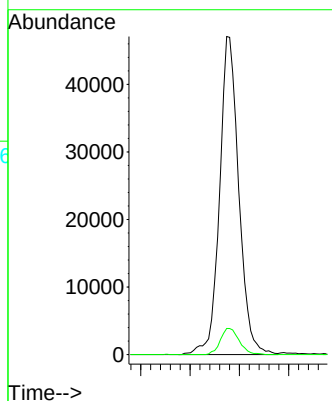
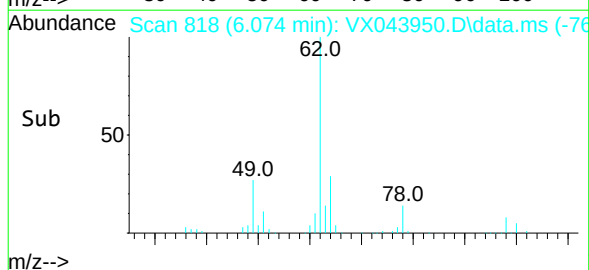
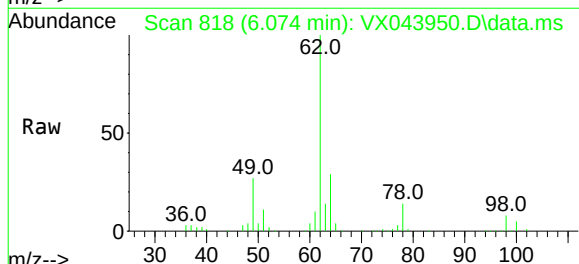
Acq: 22 Nov 2024 11:22

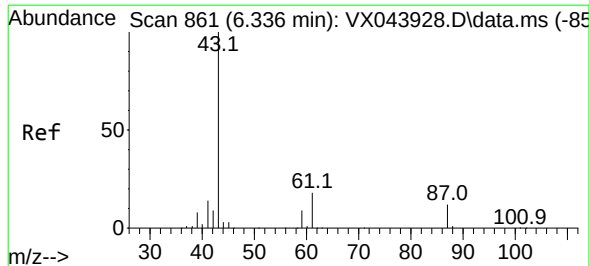
Tgt Ion: 62 Resp: 127580

Ion Ratio Lower Upper

62 100

98 8.0 0.0 16.4





#43

Isopropyl Acetate

Concen: 53.153 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 196481

Ion Ratio Lower Upper

43 100

61 17.6 14.5 21.7

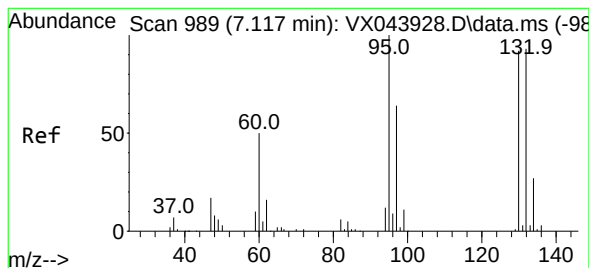
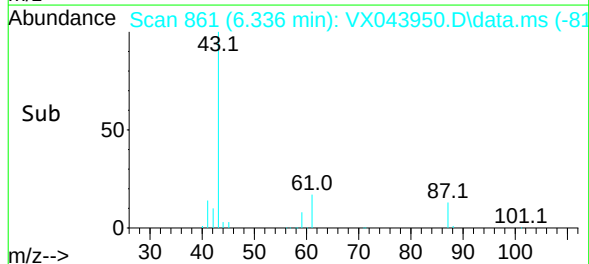
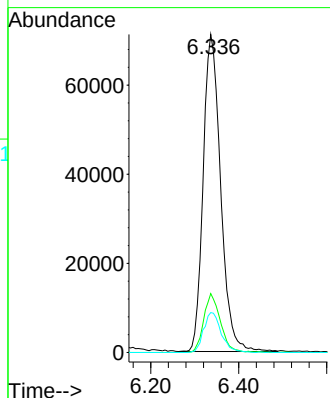
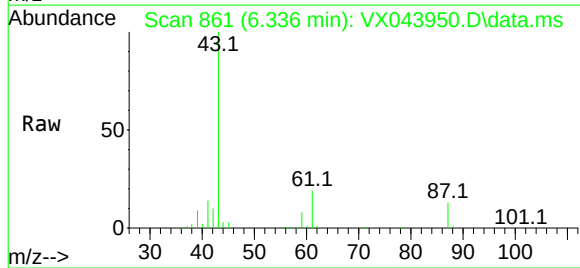
87 12.6 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 46.882 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043950.D

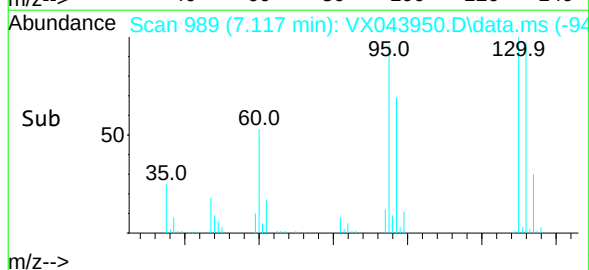
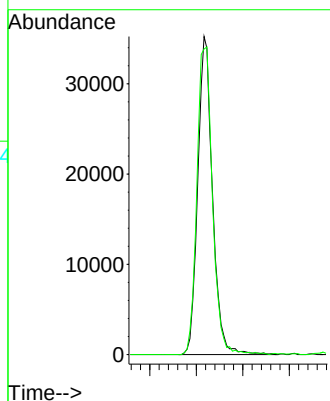
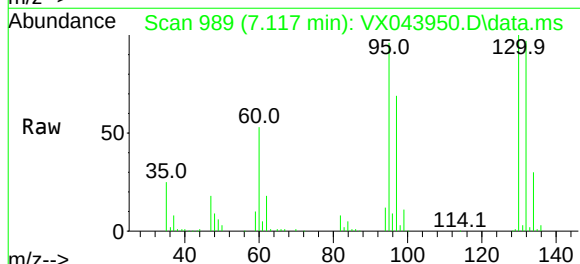
Acq: 22 Nov 2024 11:22

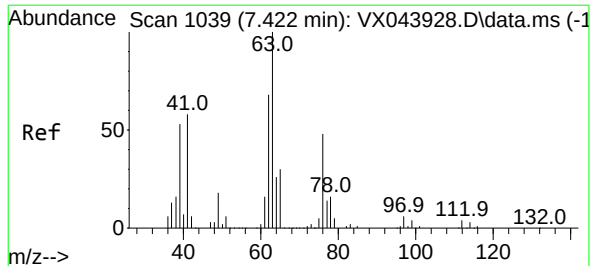
Tgt Ion:130 Resp: 77355

Ion Ratio Lower Upper

130 100

95 96.1 0.0 217.8





#45

1,2-Dichloropropane

Concen: 55.044 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 78579

Ion Ratio Lower Upper

63 100

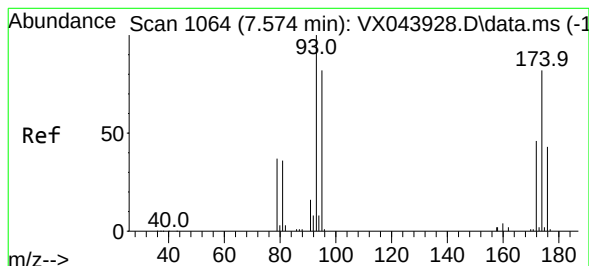
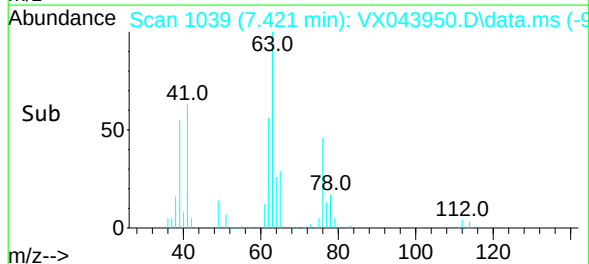
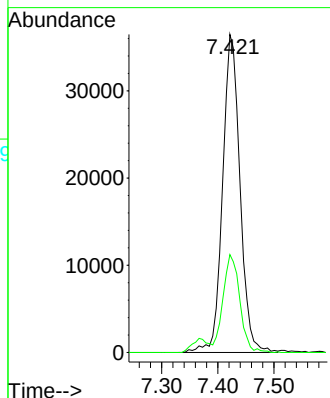
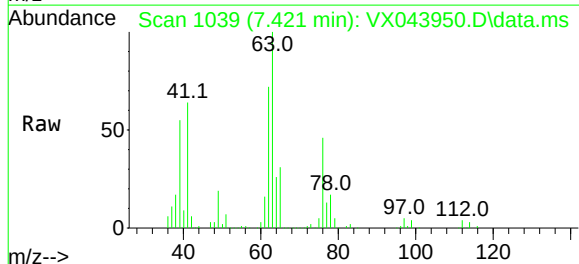
65 30.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 53.916 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

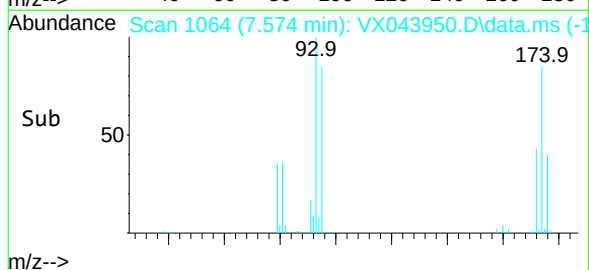
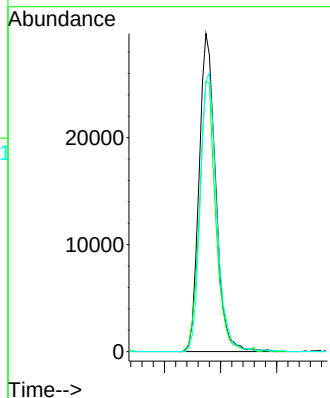
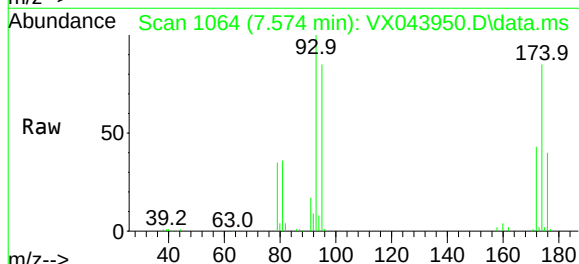
Tgt Ion: 93 Resp: 60885

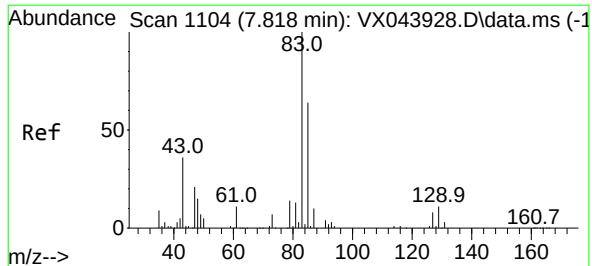
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

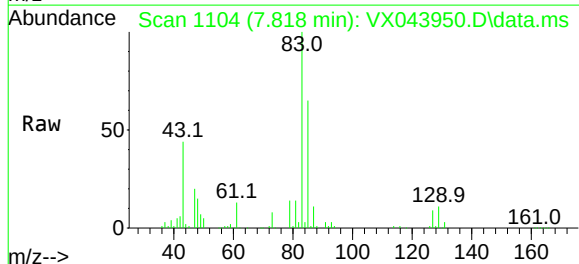
174 87.1 69.6 104.4





#47  
Bromodichloromethane  
Concen: 54.645 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

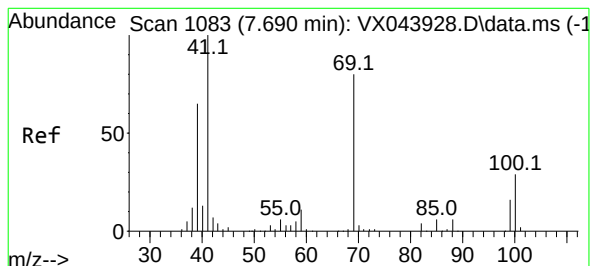
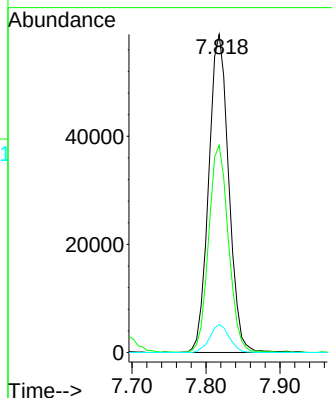
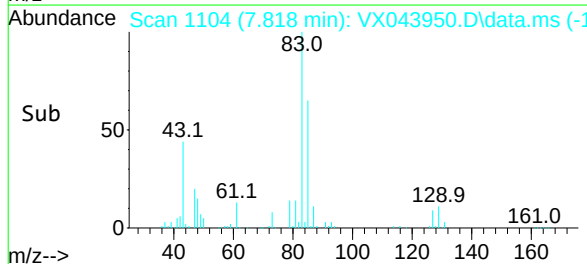
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 83 Resp: 110672  
Ion Ratio Lower Upper  
83 100  
85 65.1 51.4 77.0  
127 8.8 6.6 10.0

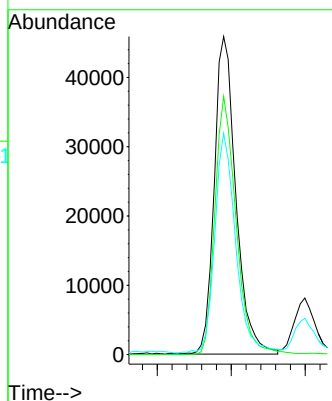
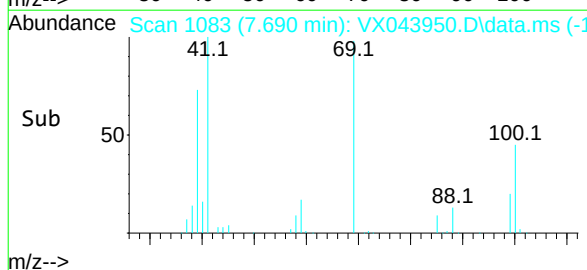
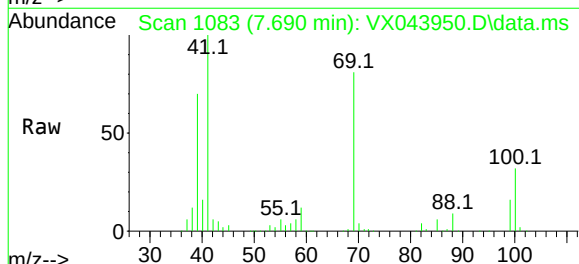
Manual Integrations  
APPROVED

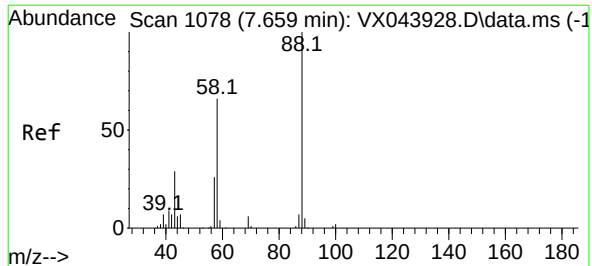
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#48  
Methyl methacrylate  
Concen: 52.453 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 93037  
Ion Ratio Lower Upper  
41 100  
69 79.9 64.6 97.0  
39 66.9 53.3 79.9





#49

1,4-Dioxane

Concen: 956.809 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 30231

Ion Ratio Lower Upper

88 100

43 37.9 26.8 40.2

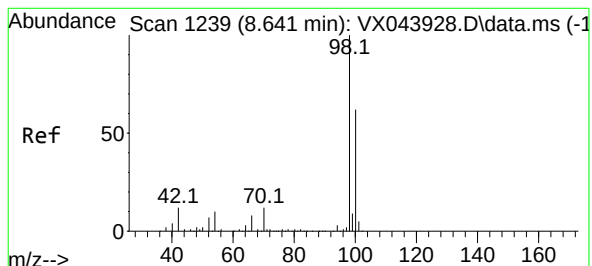
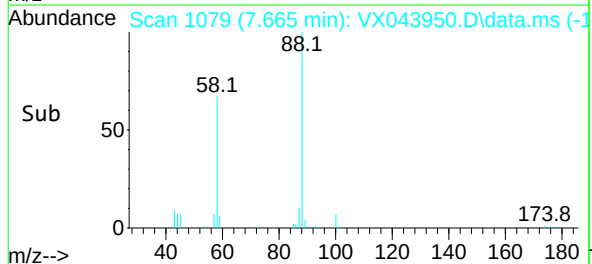
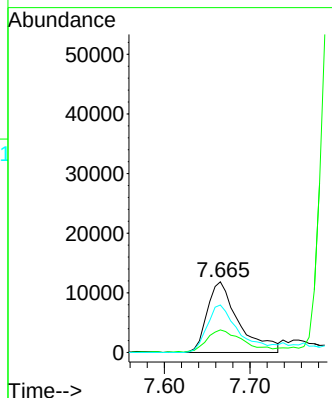
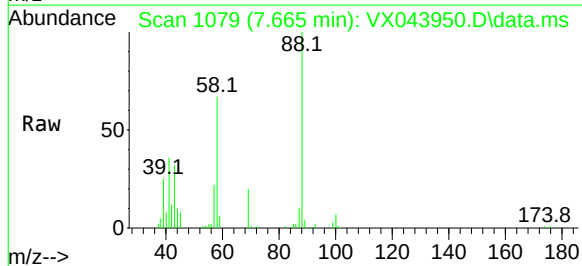
58 66.2 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

Concen: 50.769 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VX043950.D

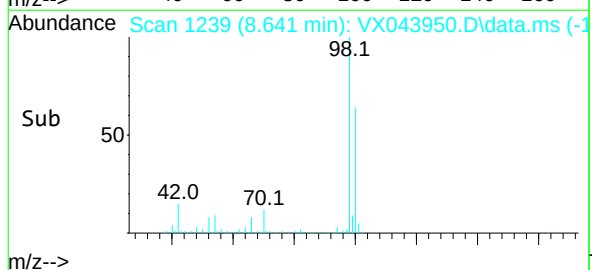
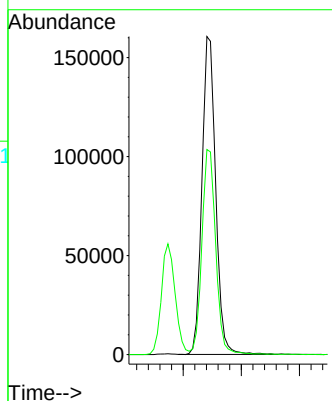
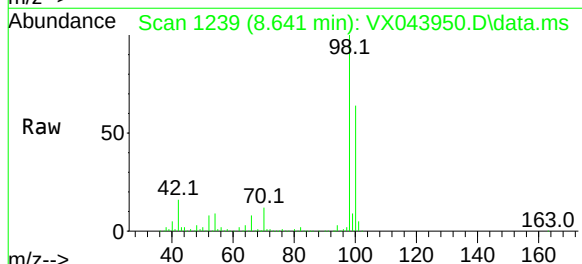
Acq: 22 Nov 2024 11:22

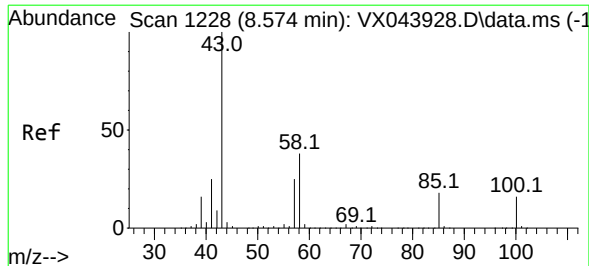
Tgt Ion: 98 Resp: 262790

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0





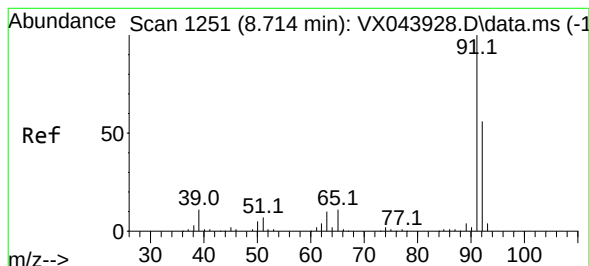
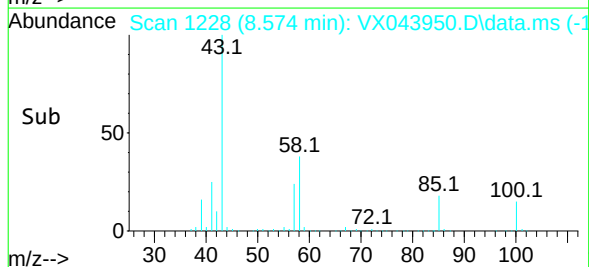
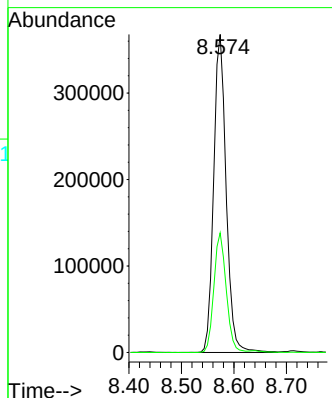
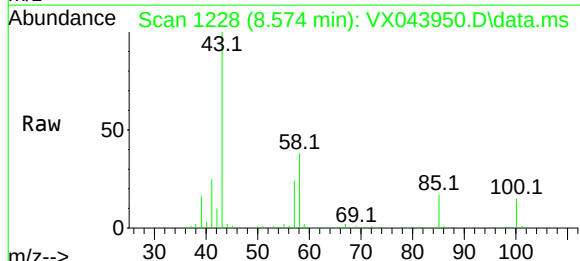
#51  
4-Methyl-2-Pentanone  
Concen: 269.433 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 607788  
Ion Ratio Lower Upper  
43 100  
58 37.0 30.0 45.0

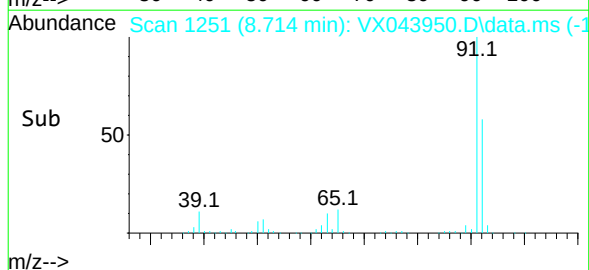
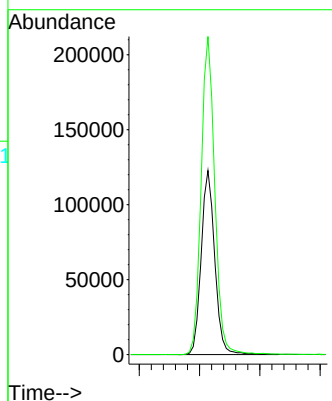
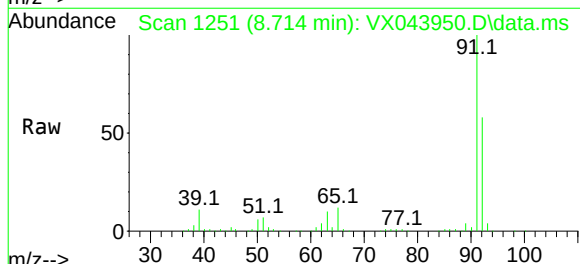
Manual Integrations  
APPROVED

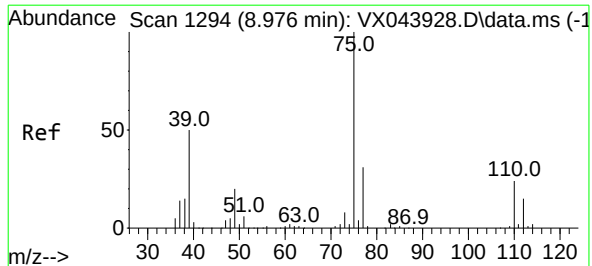
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#52  
Toluene  
Concen: 54.965 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 191750  
Ion Ratio Lower Upper  
92 100  
91 174.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 54.971 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 113533

Ion Ratio Lower Upper

75 100

77 30.7 25.1 37.7

Instrument :

MSVOA\_X

ClientSampleId :

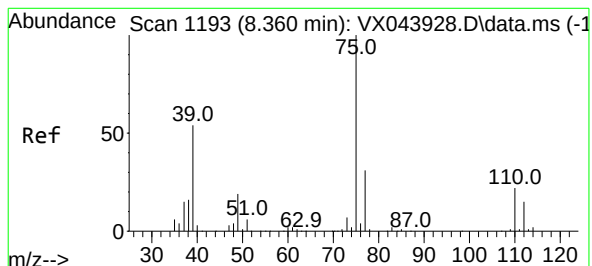
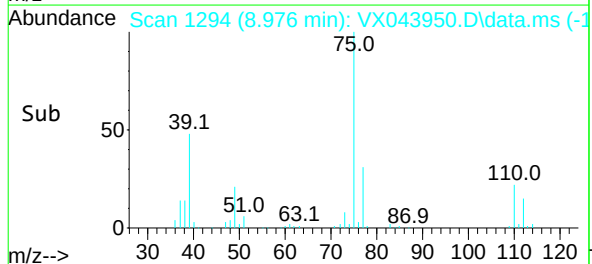
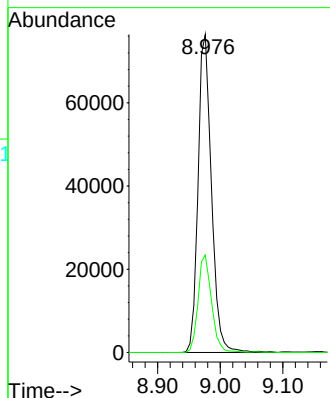
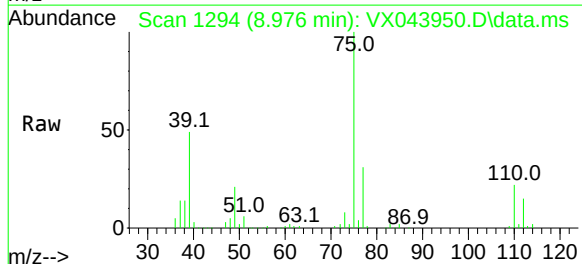
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 54.052 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

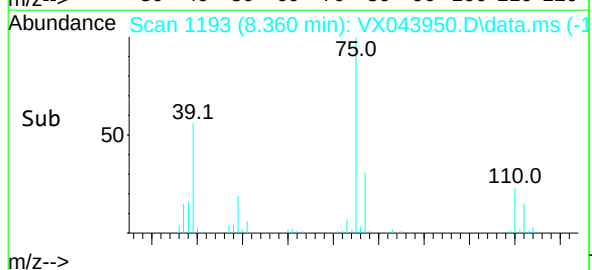
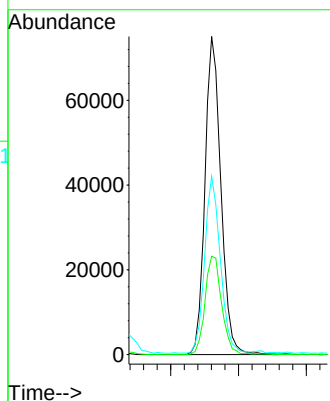
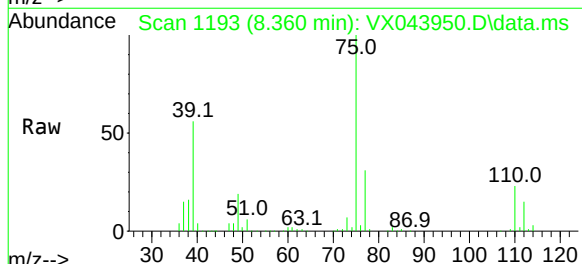
Tgt Ion: 75 Resp: 122380

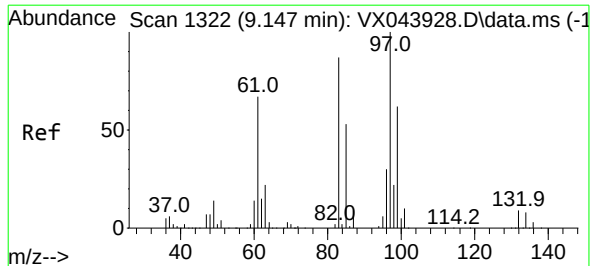
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

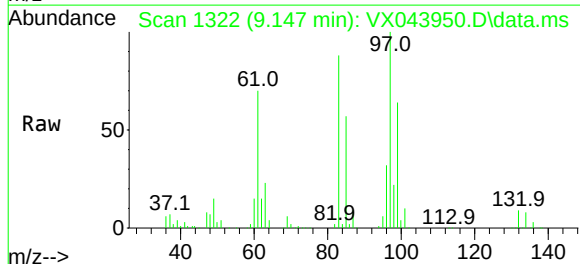
39 55.6 43.1 64.7





#55  
1,1,2-Trichloroethane  
Concen: 52.387 ug/l  
RT: 9.147 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

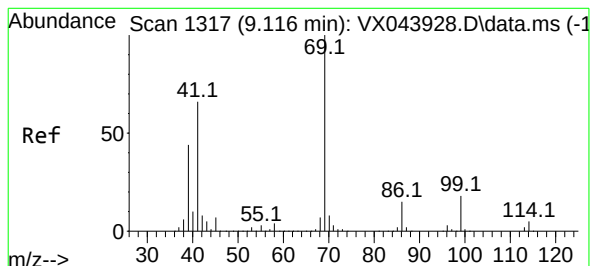
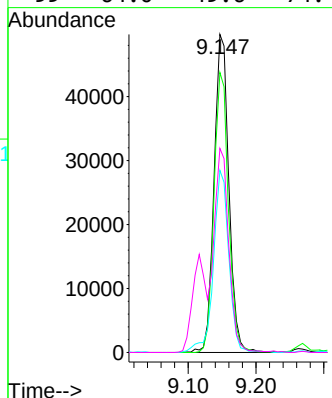
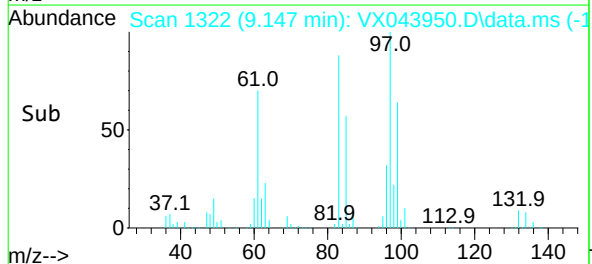
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 97      | 100   |       |       |
| 83      | 88.0  | 69.4  | 104.0 |
| 85      | 57.2  | 42.3  | 63.5  |
| 99      | 64.0  | 49.6  | 74.4  |

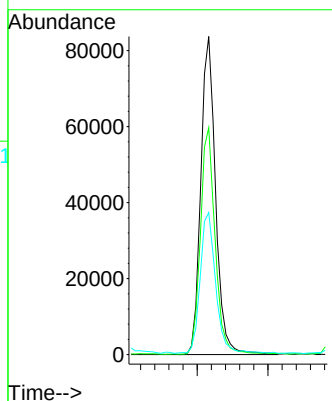
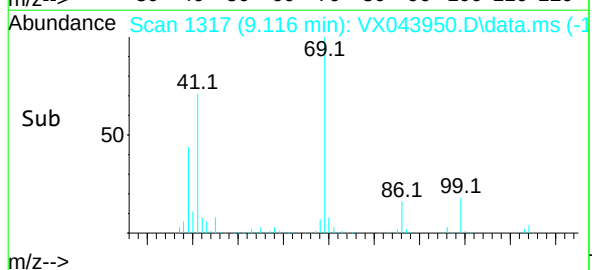
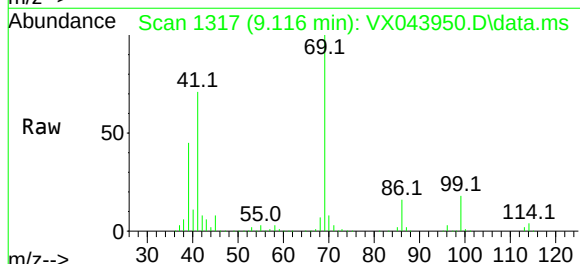
Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

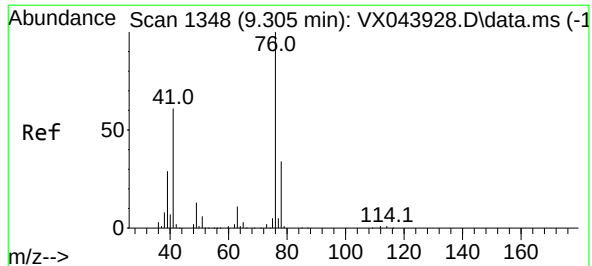


#56  
Ethyl methacrylate  
Concen: 54.352 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 69      | 100   |       |       |
| 41      | 70.7  | 55.8  | 83.8  |
| 39      | 46.2  | 36.7  | 55.1  |

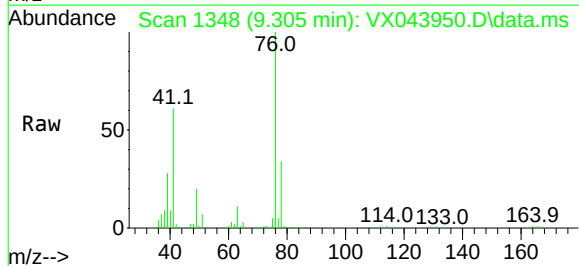






#57  
1,3-Dichloropropane  
Concen: 54.563 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

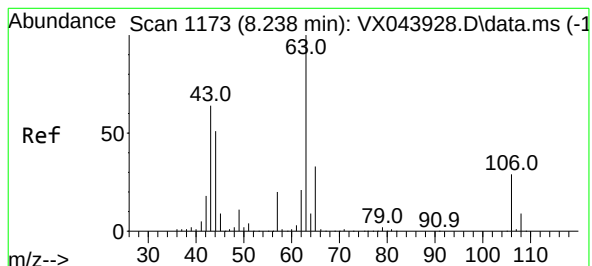
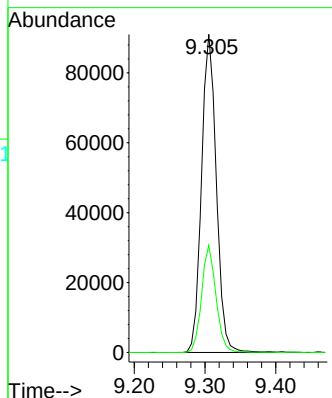
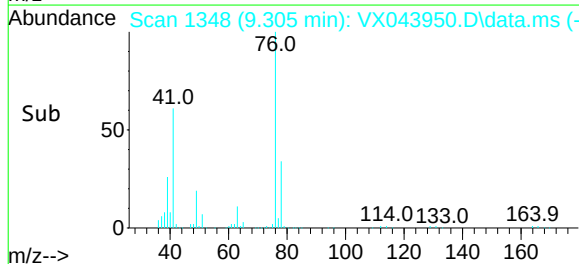
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 76 Resp: 132364  
Ion Ratio Lower Upper  
76 100  
78 32.8 26.0 39.0

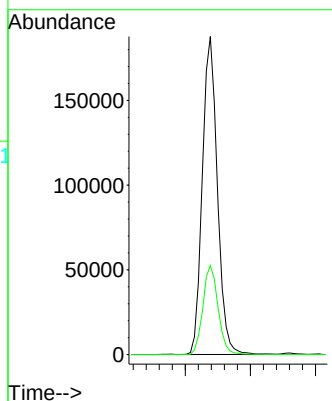
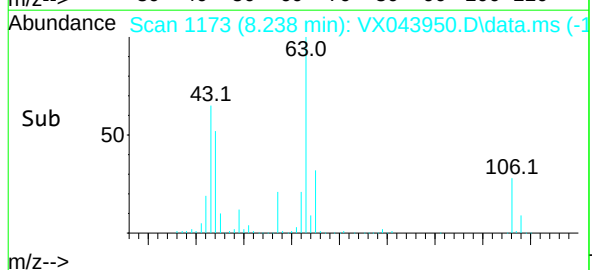
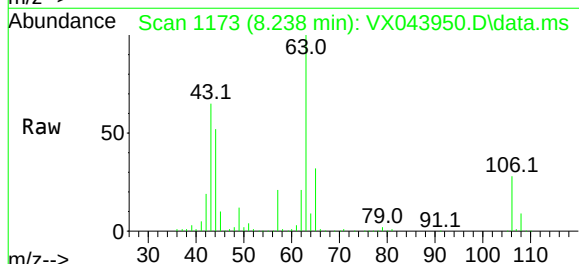
Manual Integrations  
**APPROVED**

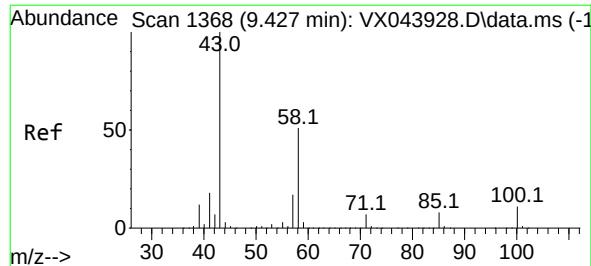
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#58  
2-Chloroethyl Vinyl ether  
Concen: 244.819 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 301050  
Ion Ratio Lower Upper  
63 100  
106 28.3 23.0 34.6





#59

2-Hexanone

Concen: 269.358 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 456702

Ion Ratio Lower Upper

43 100

58 52.0 25.9 77.6

Instrument :

MSVOA\_X

ClientSampleId :

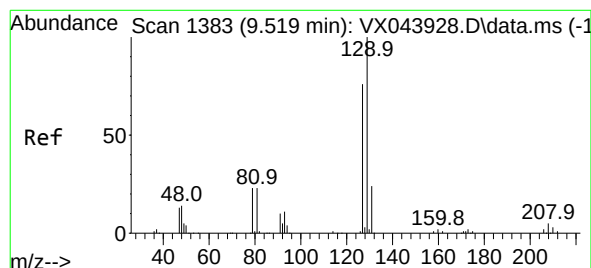
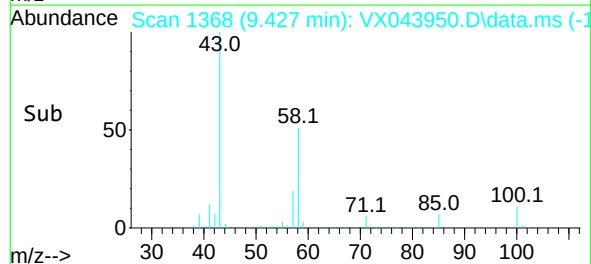
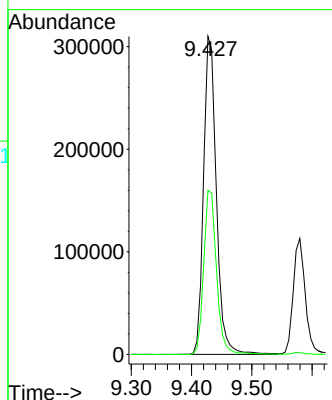
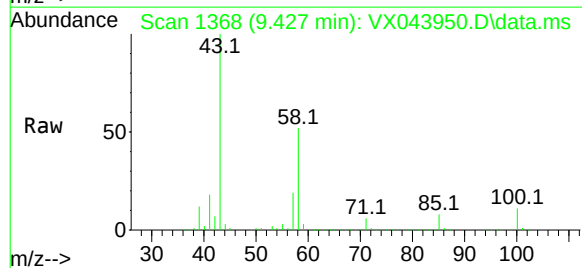
VSTDCCC050

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 53.853 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043950.D

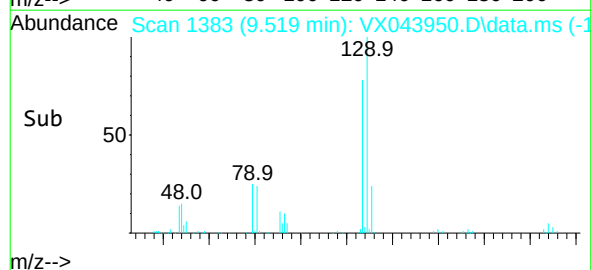
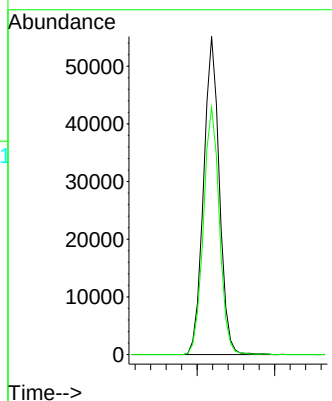
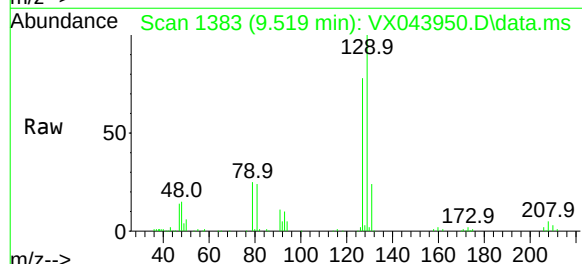
Acq: 22 Nov 2024 11:22

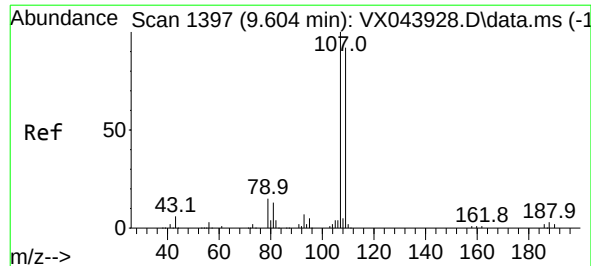
Tgt Ion:129 Resp: 77811

Ion Ratio Lower Upper

129 100

127 78.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 54.040 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:107 Resp: 78690

Ion Ratio Lower Upper

107 100

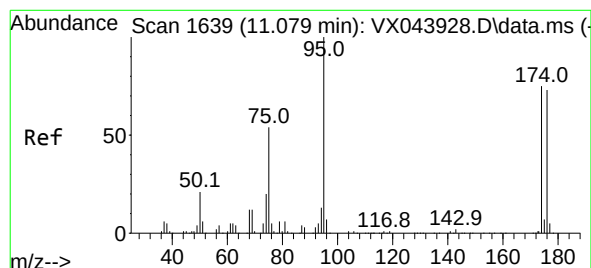
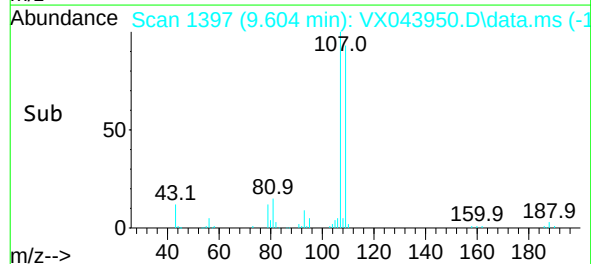
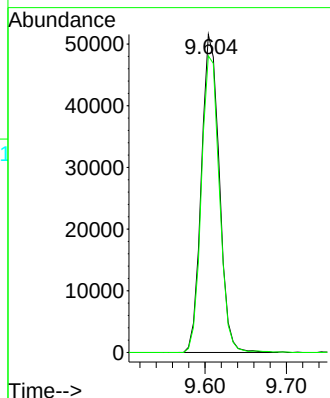
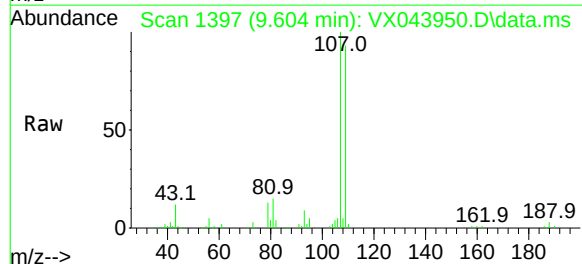
109 94.2 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#62

4-Bromofluorobenzene

Concen: 51.686 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

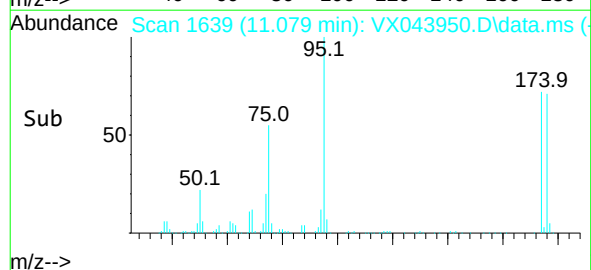
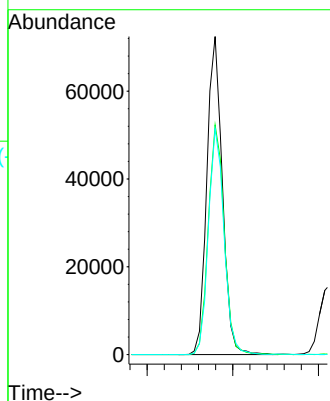
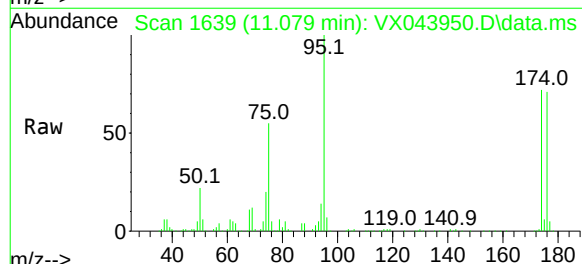
Tgt Ion: 95 Resp: 91050

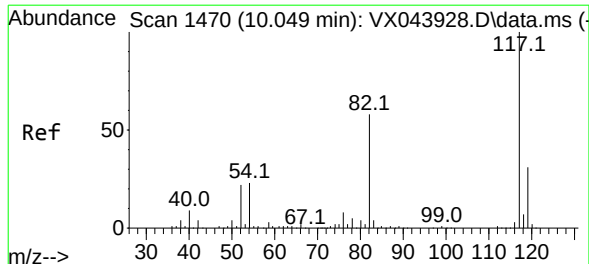
Ion Ratio Lower Upper

95 100

174 74.0 0.0 150.4

176 71.5 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

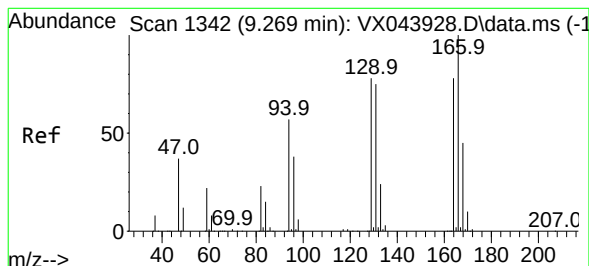
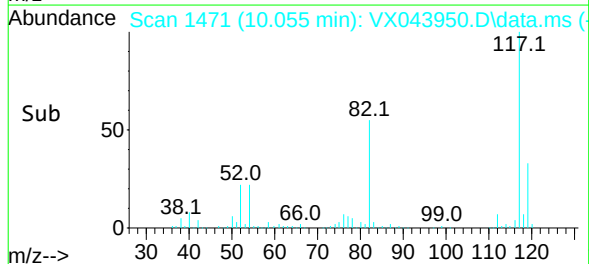
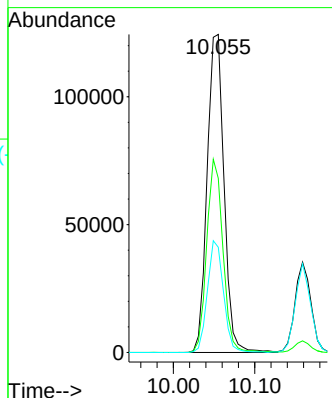
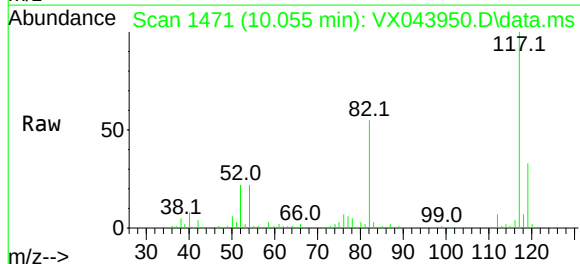
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 179277 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 54.8  | 46.4  | 69.6   |
| 119      | 33.1  | 24.6  | 37.0   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 54.365 ug/l

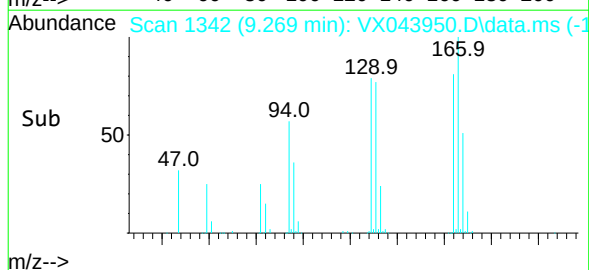
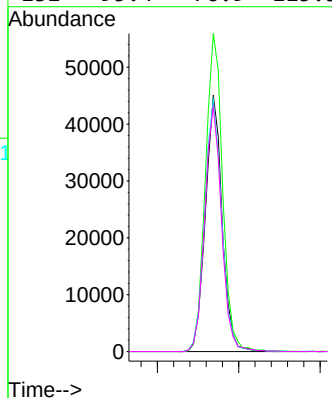
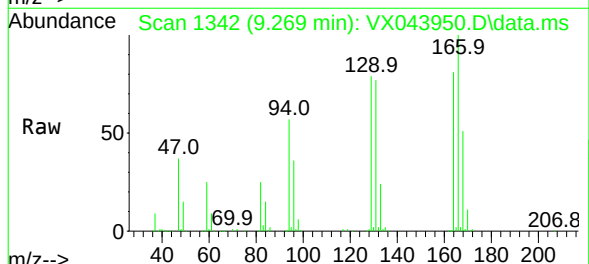
RT: 9.269 min Scan# 1342

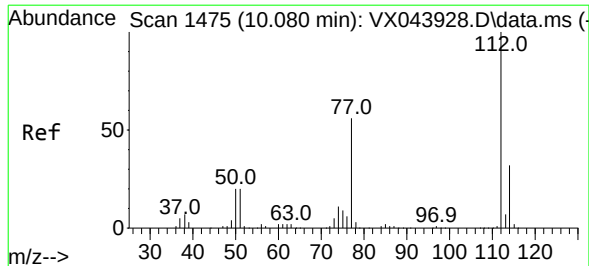
Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 64266 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 124.1 | 102.1 | 153.1 |
| 129      | 98.1  | 79.6  | 119.4 |
| 131      | 95.4  | 76.9  | 115.3 |





#65

Chlorobenzene

Concen: 52.640 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 207265

Ion Ratio Lower Upper

112 100

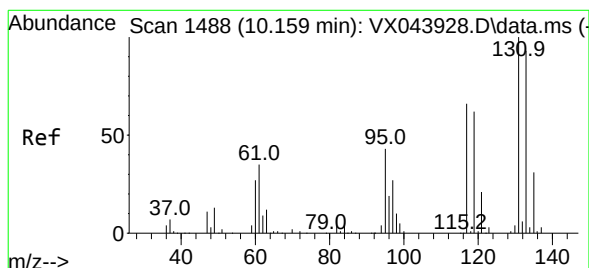
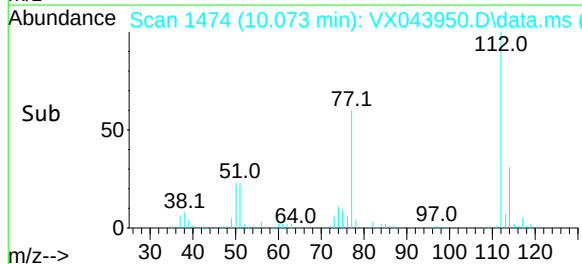
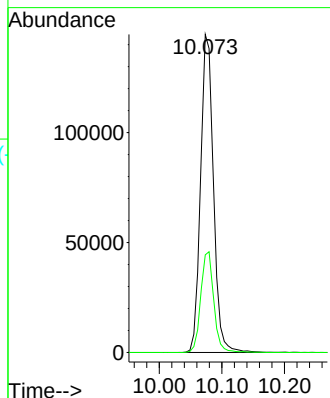
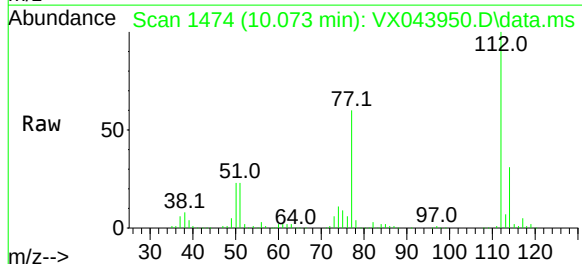
114 30.7 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 54.854 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

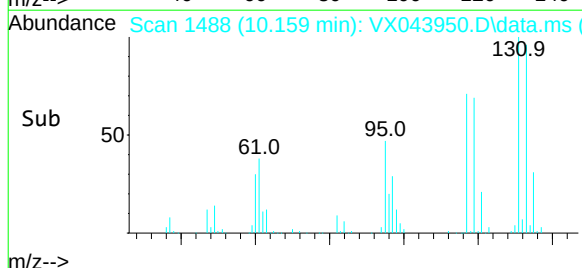
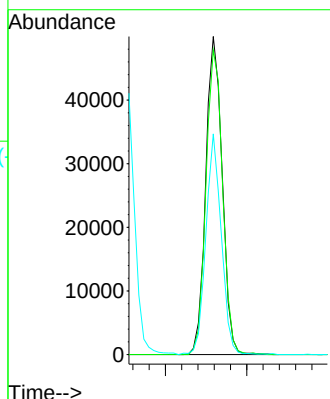
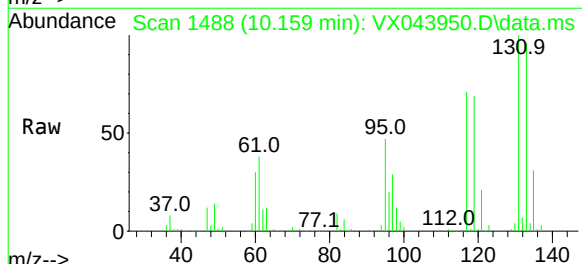
Tgt Ion:131 Resp: 70047

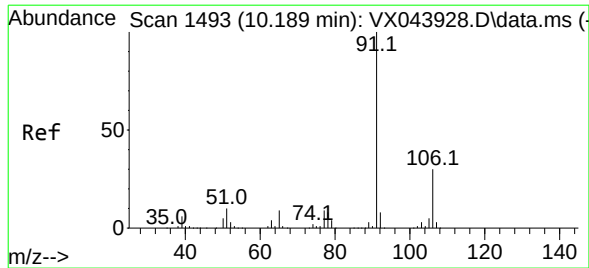
Ion Ratio Lower Upper

131 100

133 96.7 48.2 144.6

119 65.1 31.5 94.5





#67

Ethyl Benzene

Concen: 55.362 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 369374

Ion Ratio Lower Upper

91 100

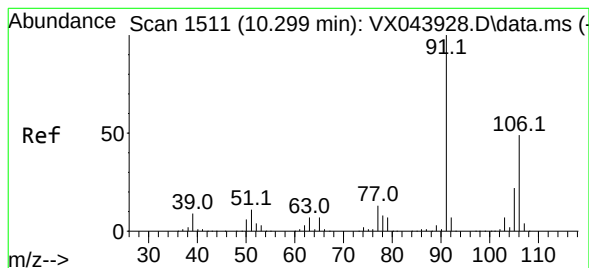
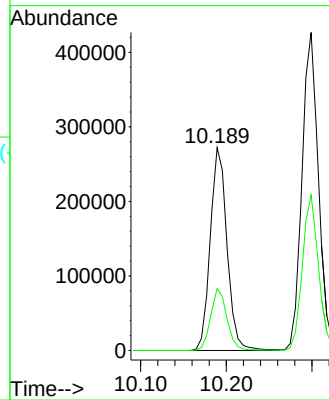
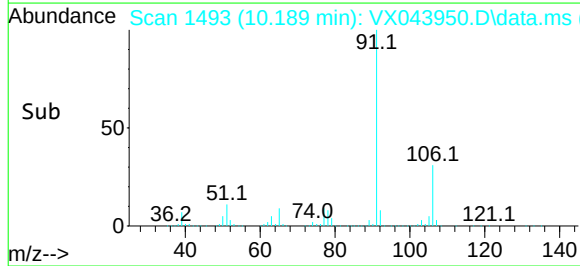
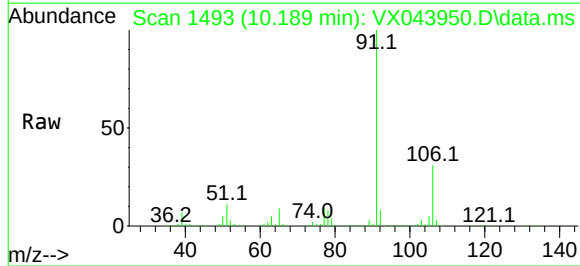
106 30.6 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 110.758 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043950.D

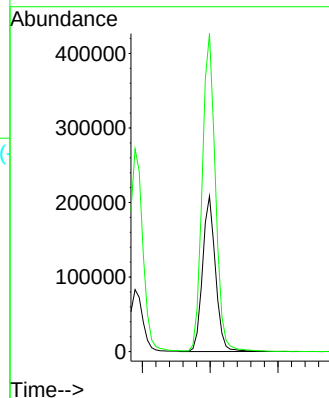
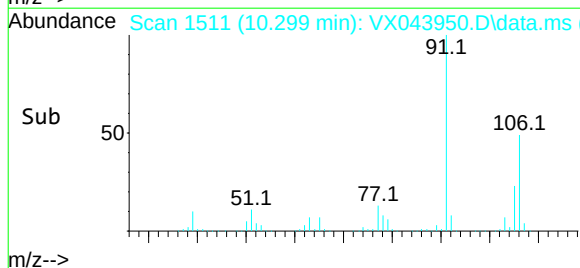
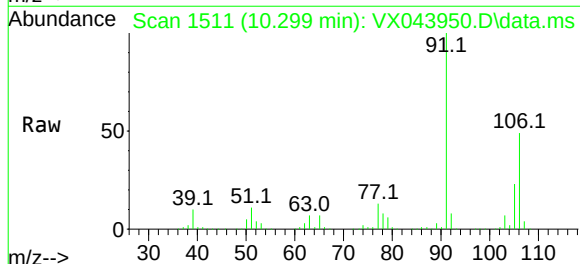
Acq: 22 Nov 2024 11:22

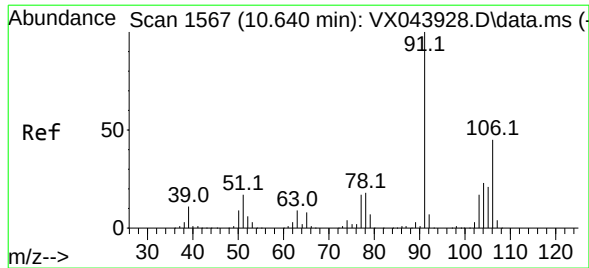
Tgt Ion:106 Resp: 275579

Ion Ratio Lower Upper

106 100

91 209.0 168.1 252.1





#69

o-Xylene

Concen: 55.187 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 134066

Ion Ratio Lower Upper

106 100

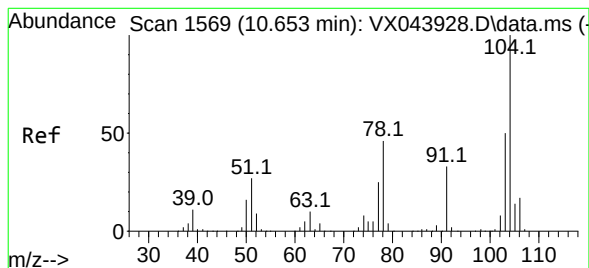
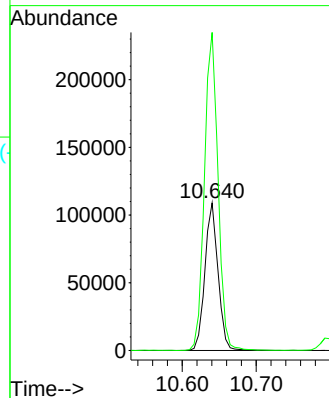
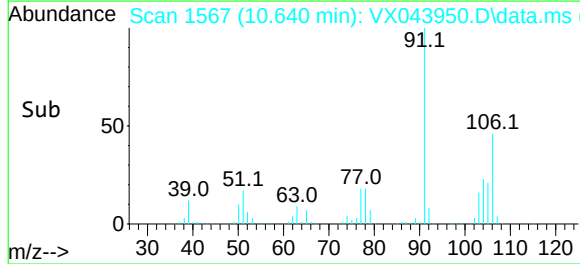
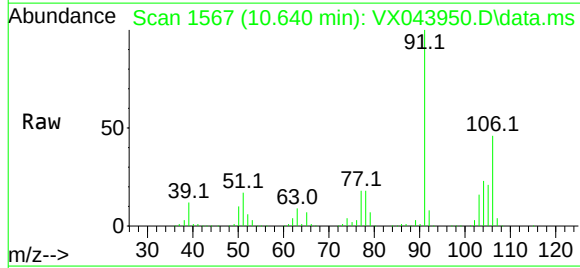
91 223.3 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 56.140 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

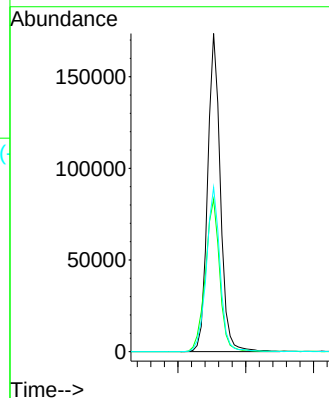
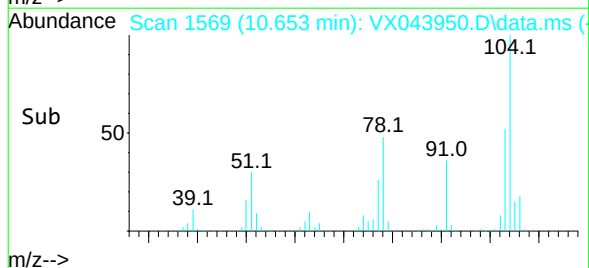
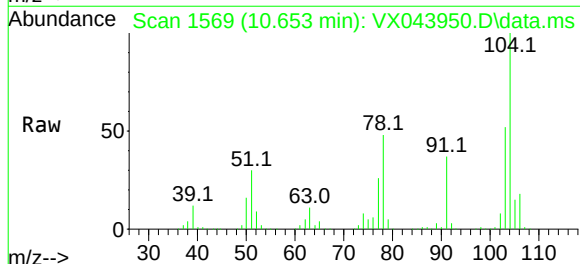
Tgt Ion:104 Resp: 225568

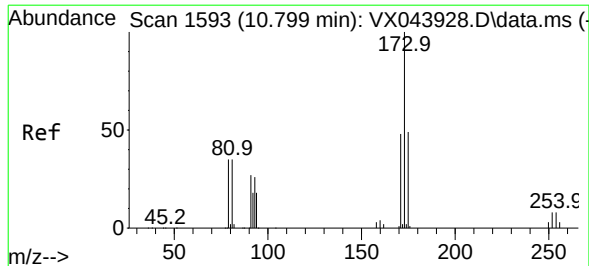
Ion Ratio Lower Upper

104 100

78 53.9 42.2 63.2

103 55.5 44.7 67.1





#71

Bromoform

Concen: 48.773 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 47233

Ion Ratio Lower Upper

173 100

175 46.8 24.1 72.2

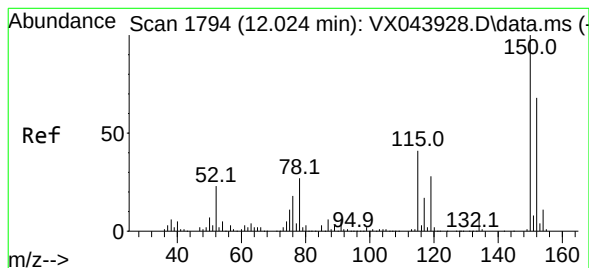
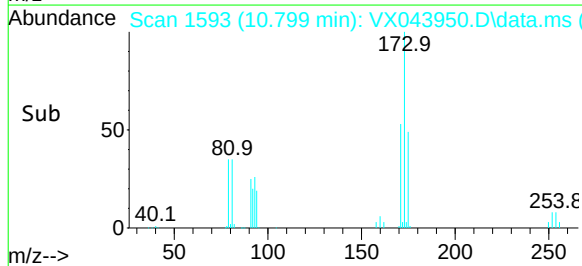
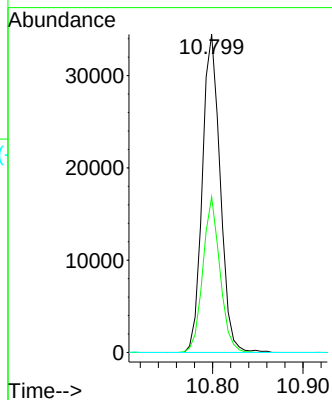
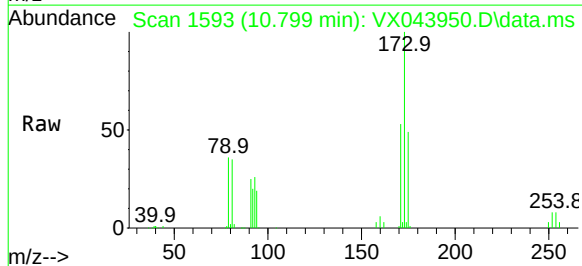
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

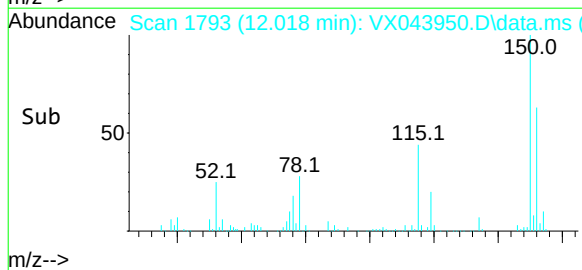
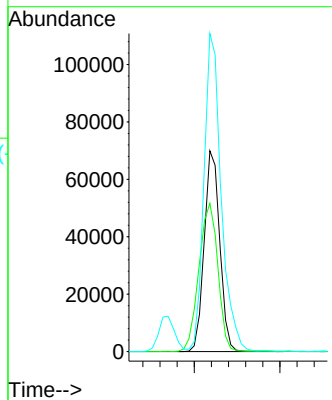
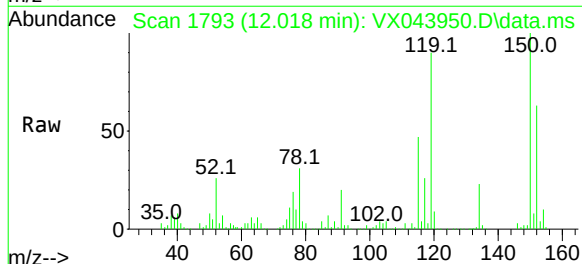
Tgt Ion:152 Resp: 88069

Ion Ratio Lower Upper

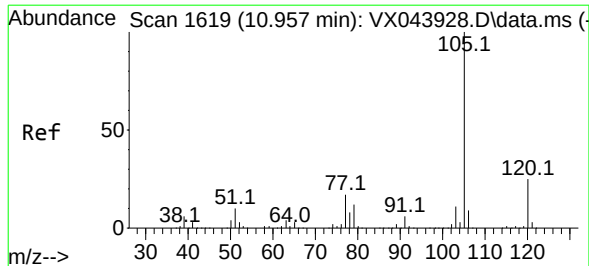
152 100

115 90.2 45.4 136.2

150 176.2 0.0 353.0







#73

Isopropylbenzene

Concen: 52.039 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 352296

Ion Ratio Lower Upper

105 100

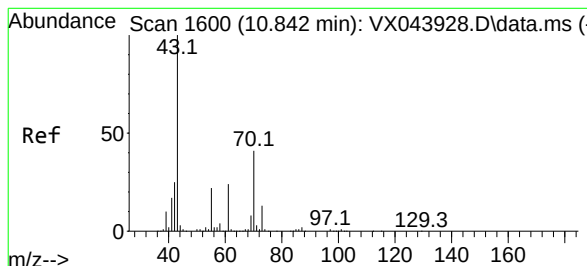
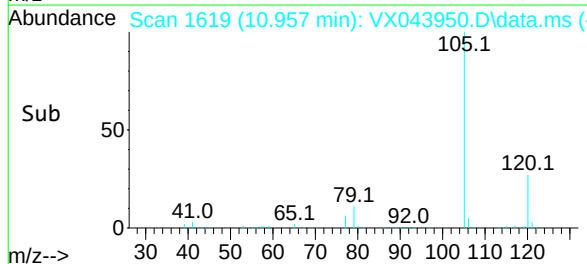
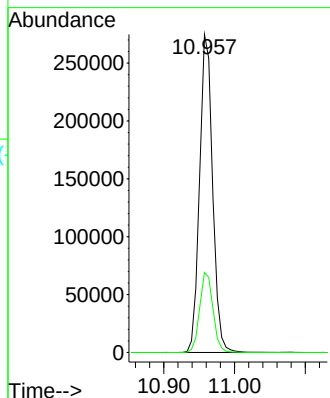
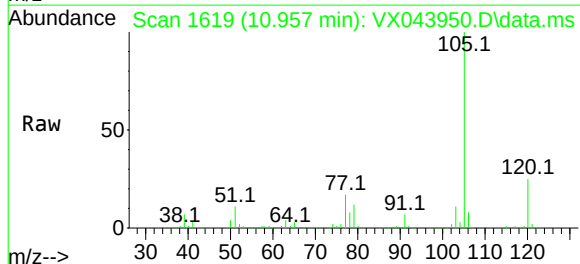
120 25.6 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 51.973 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 162994

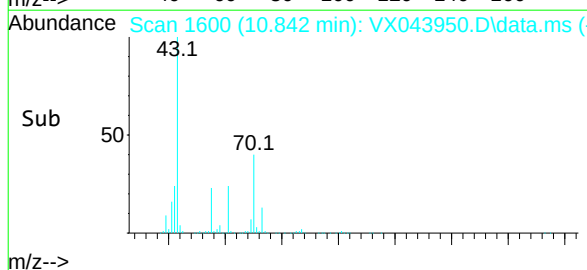
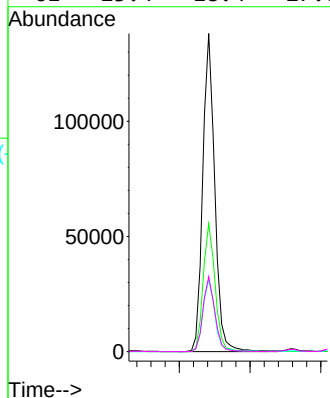
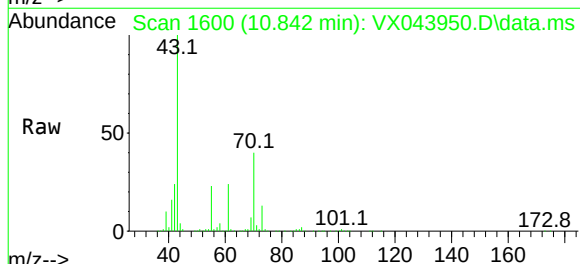
Ion Ratio Lower Upper

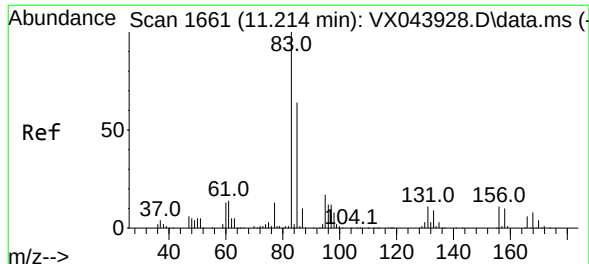
43 100

70 40.1 32.2 48.2

55 22.6 18.1 27.1

61 23.4 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.403 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

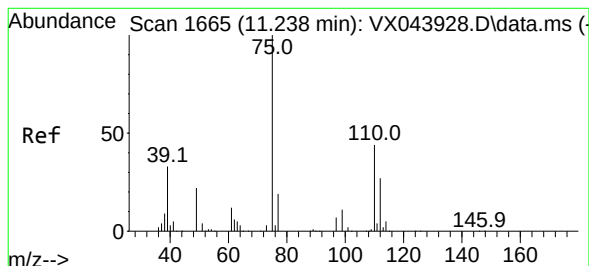
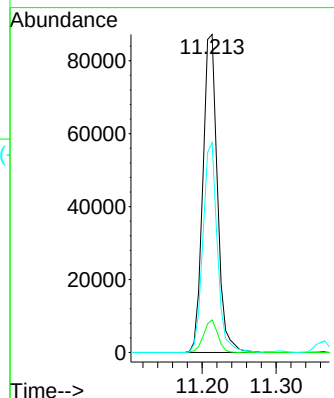
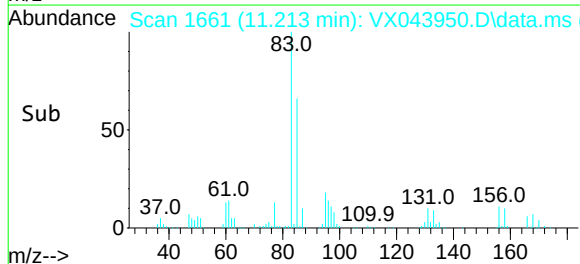
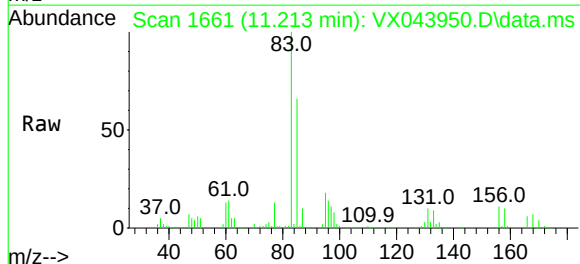
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 119153 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 10.0  | 5.1   | 15.2   |
| 85       | 65.2  | 32.2  | 96.6   |

## Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 51.893 ug/l m

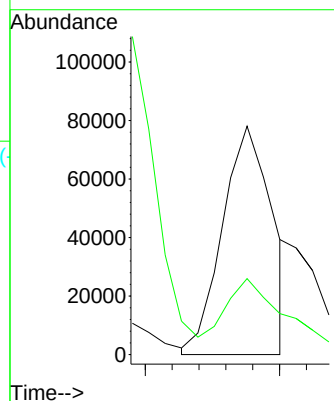
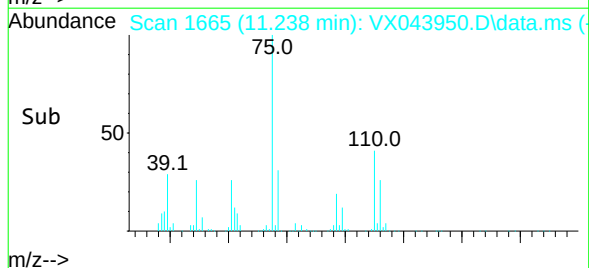
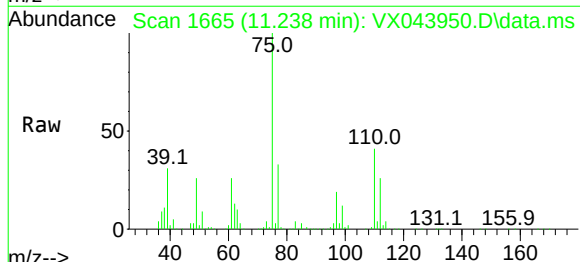
RT: 11.238 min Scan# 1665

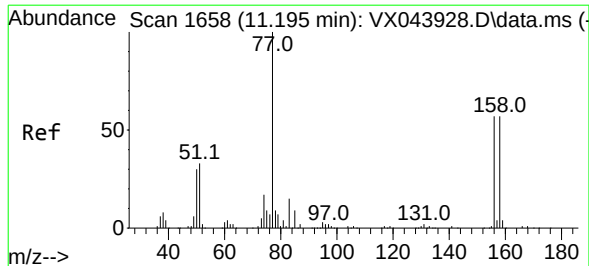
Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 100223 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 77       | 42.0  | 21.8  | 65.3   |





#77

Bromobenzene

Concen: 51.338 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 82907

Ion Ratio Lower Upper

156 100

77 164.1 83.4 250.1

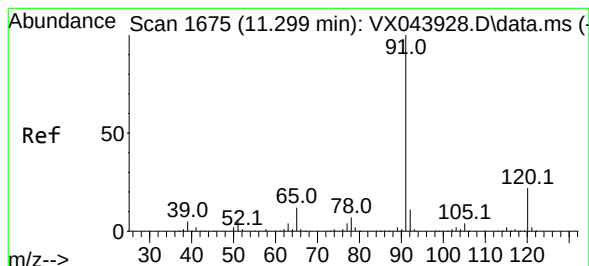
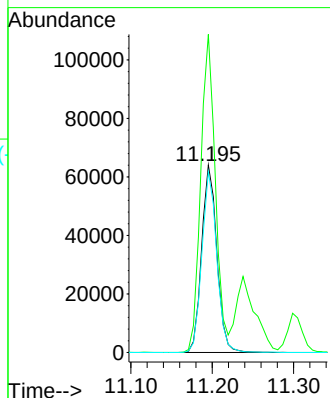
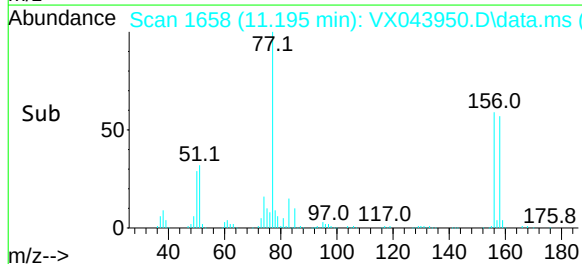
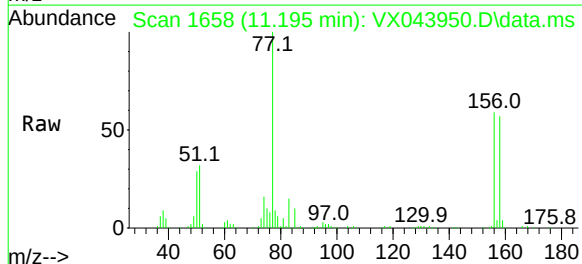
158 94.8 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

Concen: 53.765 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043950.D

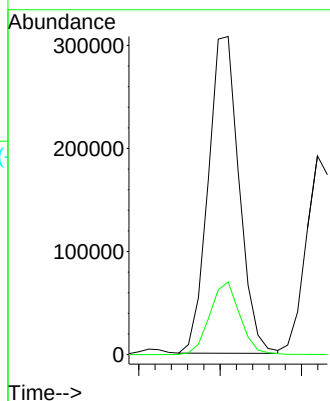
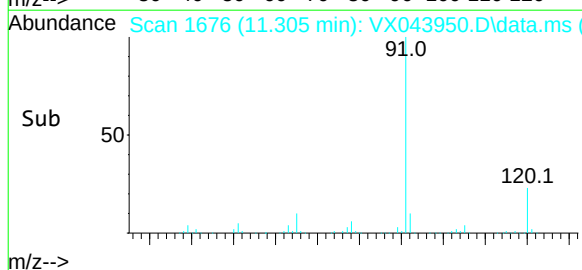
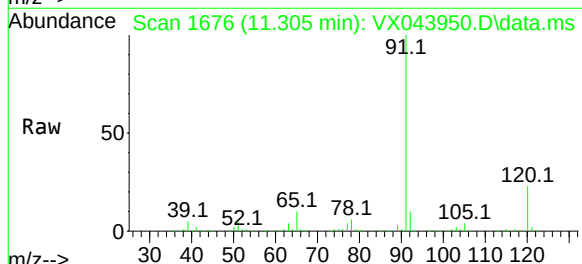
Acq: 22 Nov 2024 11:22

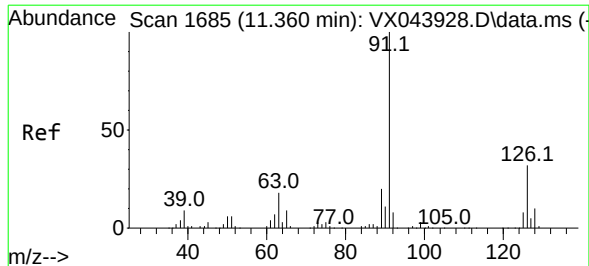
Tgt Ion: 91 Resp: 406514

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 51.573 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 246574

Ion Ratio Lower Upper

91 100

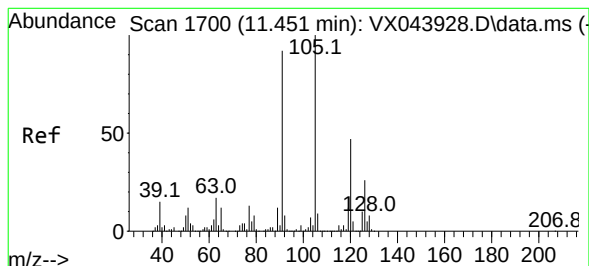
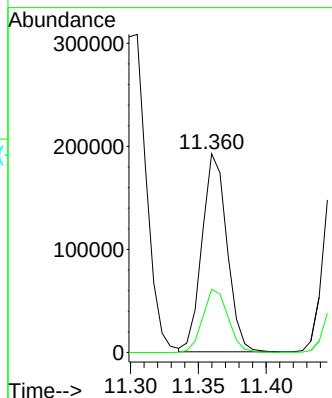
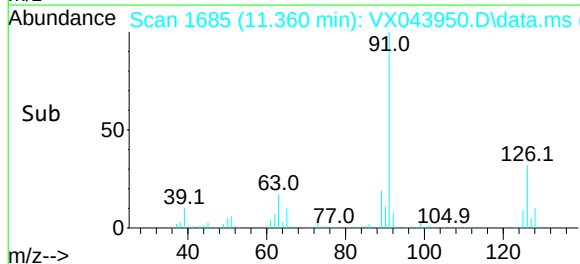
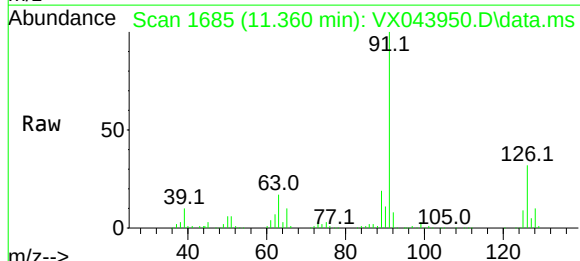
126 32.5 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 52.968 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043950.D

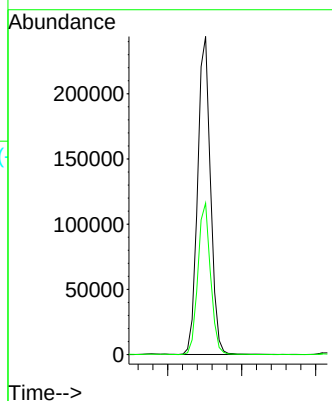
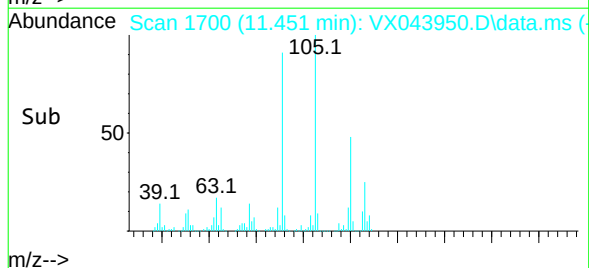
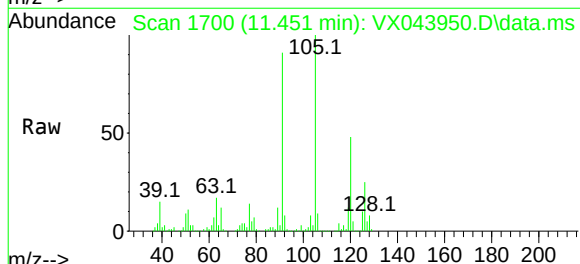
Acq: 22 Nov 2024 11:22

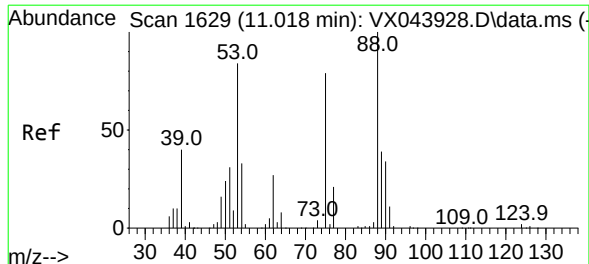
Tgt Ion:105 Resp: 295006

Ion Ratio Lower Upper

105 100

120 46.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 48.492 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX043950.D

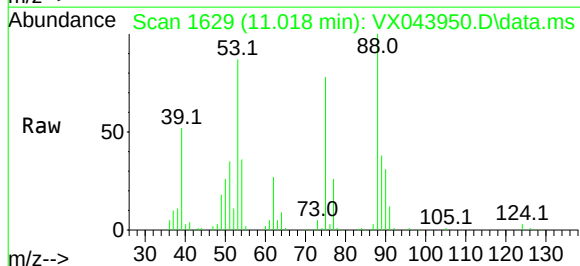
Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

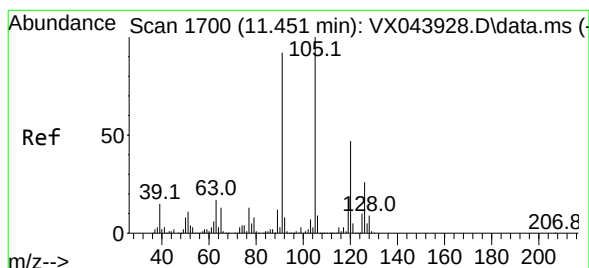
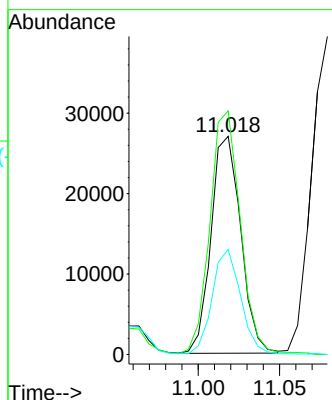
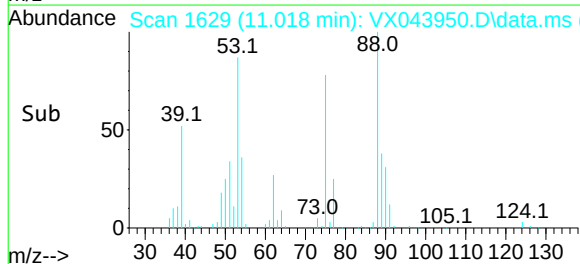
VSTDCCC050



| Tgt Ion: | 75    | Resp: | 34321 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 115.3 | 86.7  | 130.1 |
| 89       | 46.8  | 38.2  | 57.2  |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

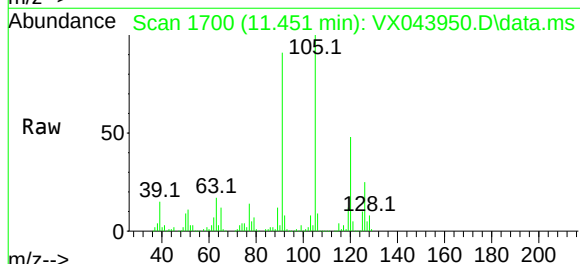
Concen: 52.200 ug/l

RT: 11.451 min Scan# 1700

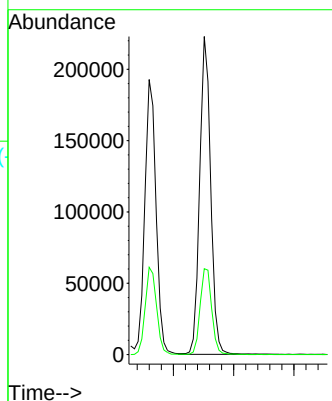
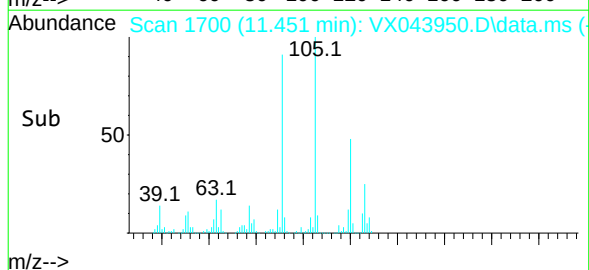
Delta R.T. -0.000 min

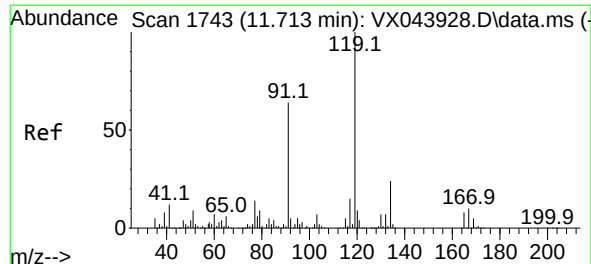
Lab File: VX043950.D

Acq: 22 Nov 2024 11:22



| Tgt Ion: | 91    | Resp: | 281758 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.6  | 14.3  | 42.9   |





#83

tert-Butylbenzene

Concen: 52.754 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 291225

Ion Ratio Lower Upper

119 100

91 61.3 31.0 93.0

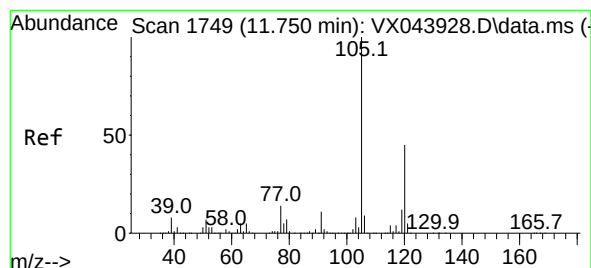
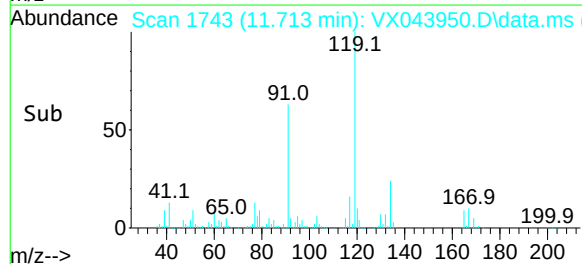
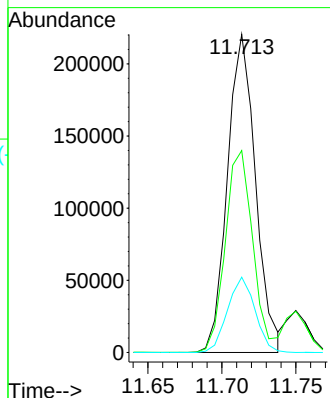
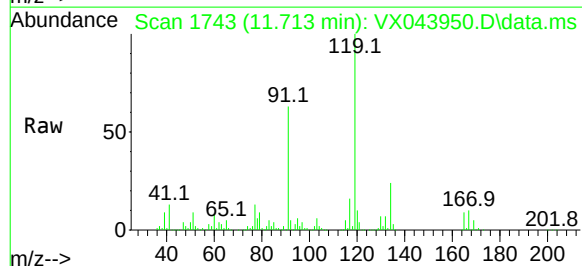
134 23.2 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 53.956 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043950.D

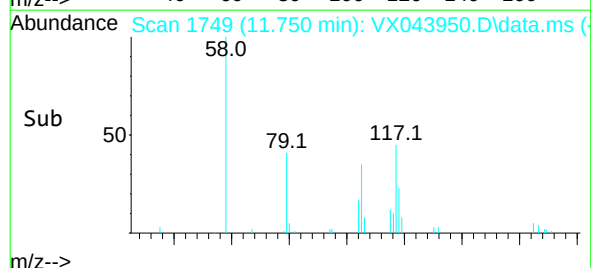
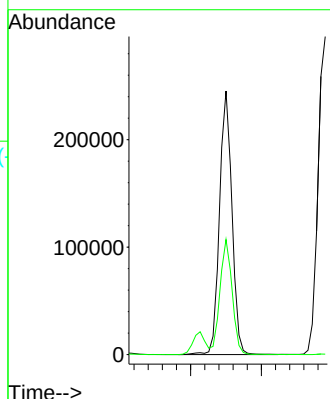
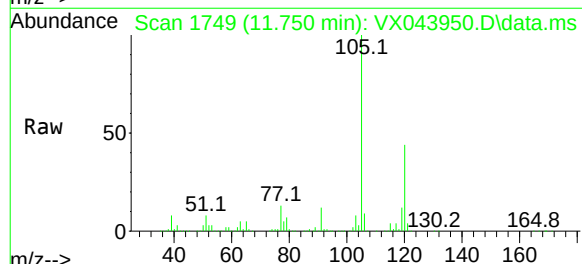
Acq: 22 Nov 2024 11:22

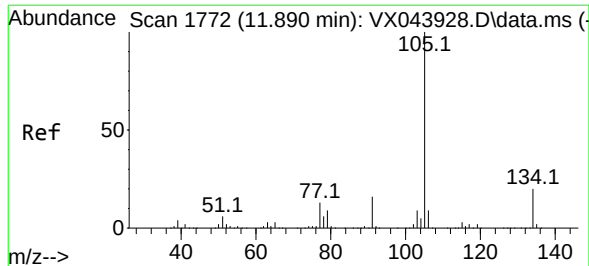
Tgt Ion:105 Resp: 299186

Ion Ratio Lower Upper

105 100

120 42.8 21.9 65.7





#85

sec-Butylbenzene

Concen: 53.293 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 360460

Ion Ratio Lower Upper

105 100

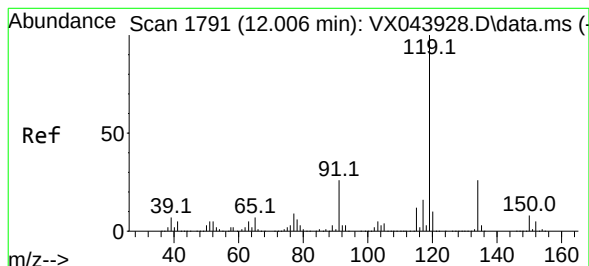
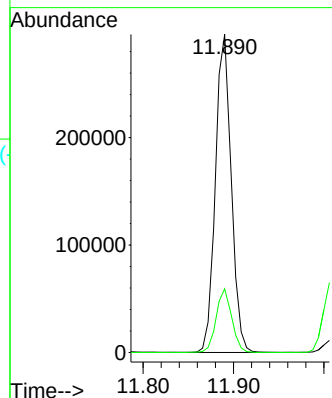
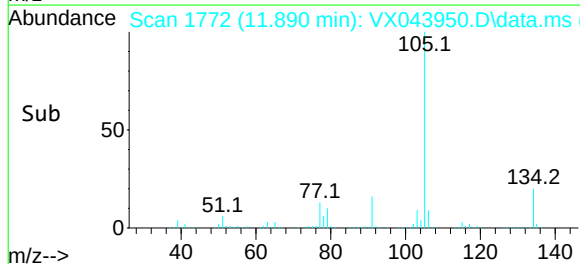
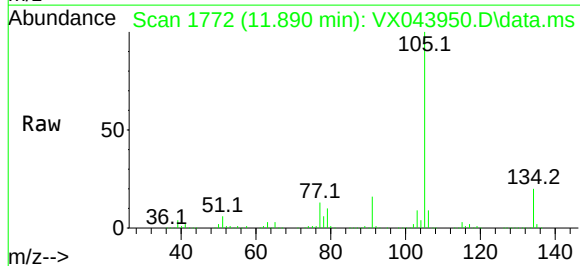
134 19.7 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 55.361 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

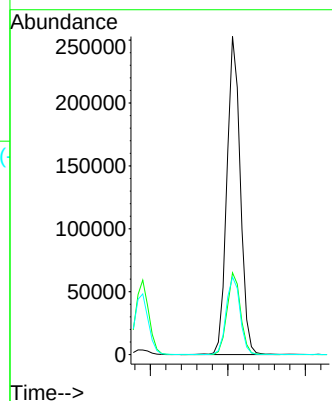
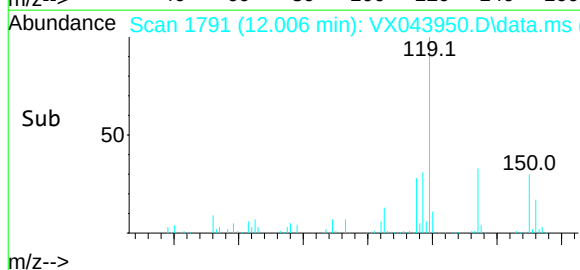
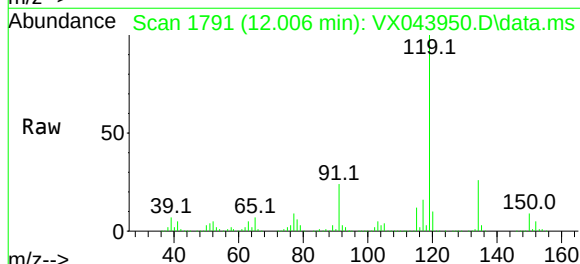
Tgt Ion:119 Resp: 304159

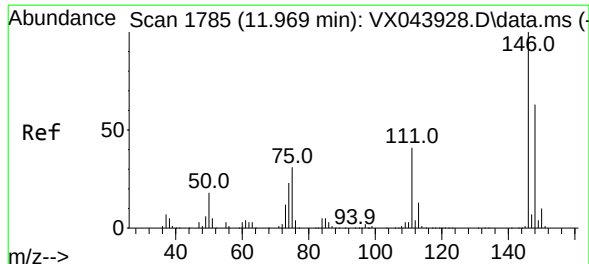
Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 25.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 52.089 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 153209

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.3

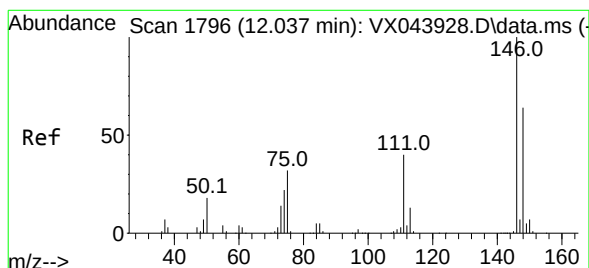
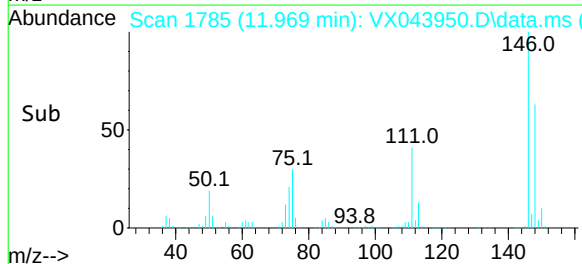
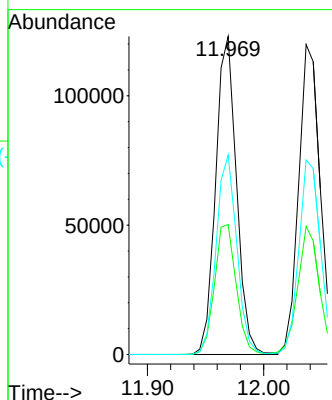
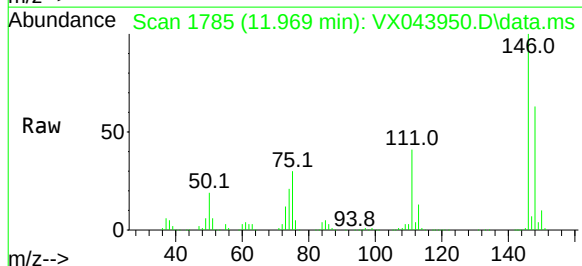
148 62.2 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 51.511 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

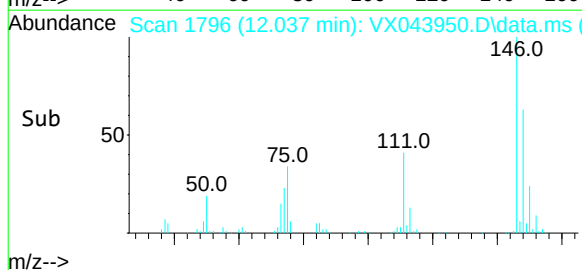
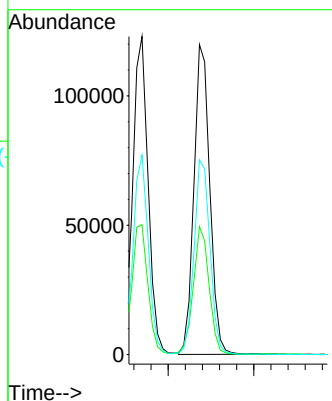
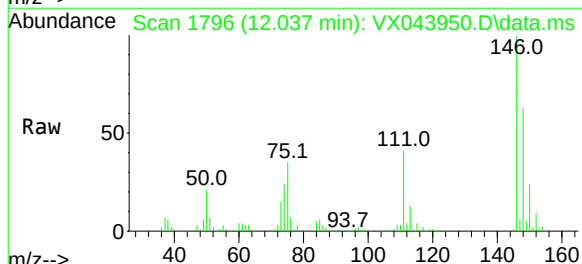
Tgt Ion:146 Resp: 154469

Ion Ratio Lower Upper

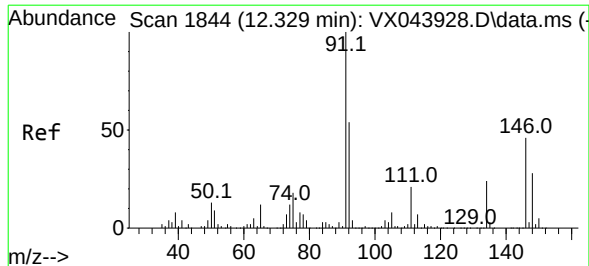
146 100

111 41.2 20.1 60.3

148 63.4 30.9 92.8







#89

n-Butylbenzene

Concen: 55.414 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 268422

Ion Ratio Lower Upper

91 100

92 53.6 26.6 79.8

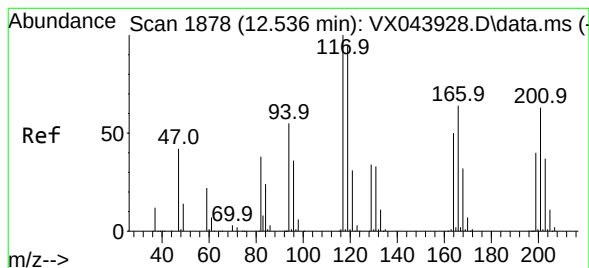
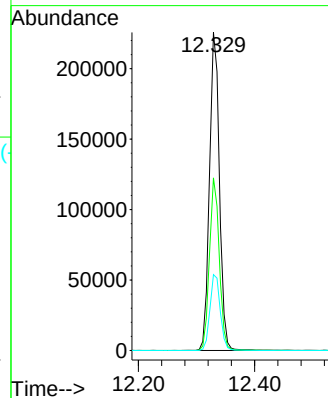
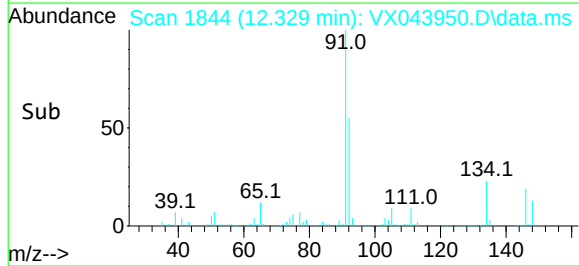
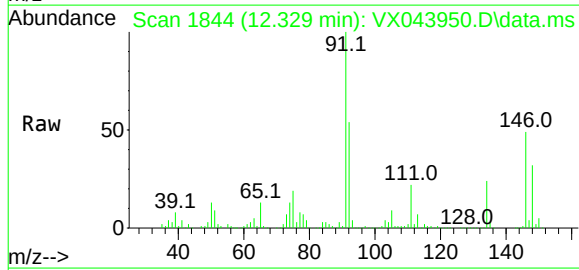
134 24.8 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 50.336 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043950.D

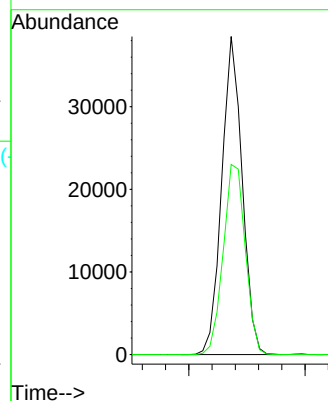
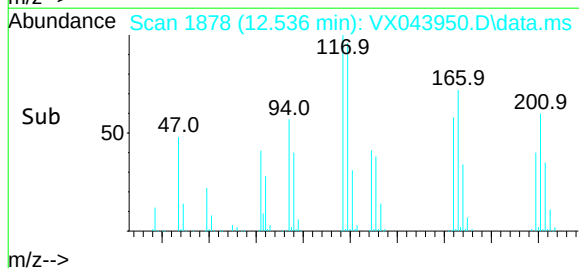
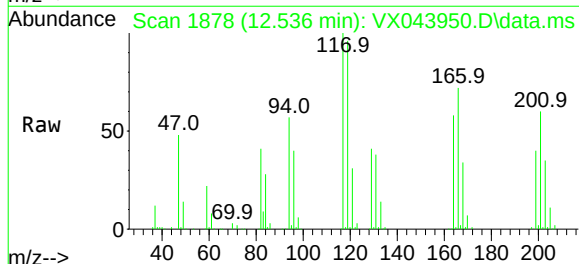
Acq: 22 Nov 2024 11:22

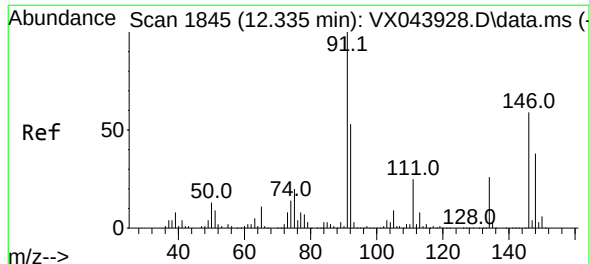
Tgt Ion:117 Resp: 47025

Ion Ratio Lower Upper

117 100

201 64.6 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 52.281 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043950.D

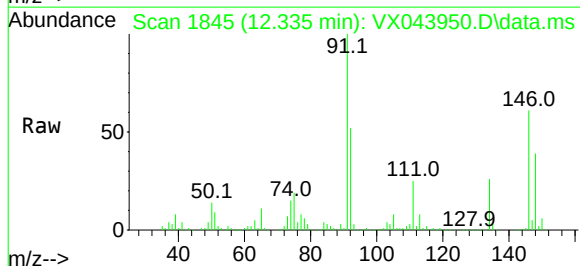
Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 146 Resp: 155184

Ion Ratio Lower Upper

146 100

111 43.4 21.5 64.5

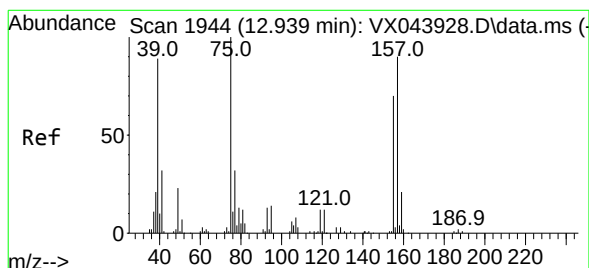
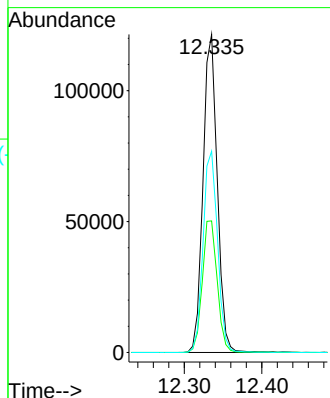
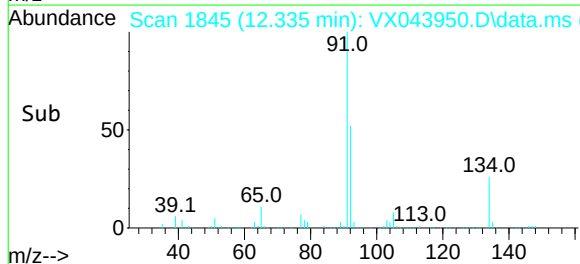
148 64.5 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.076 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

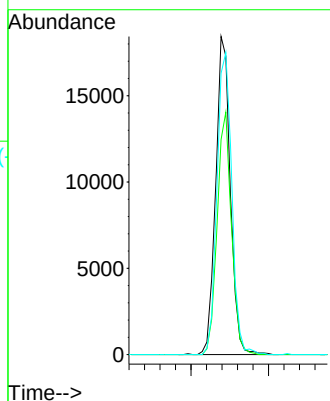
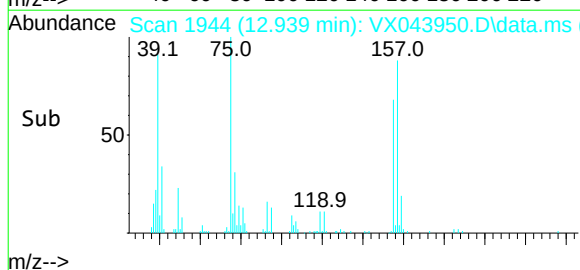
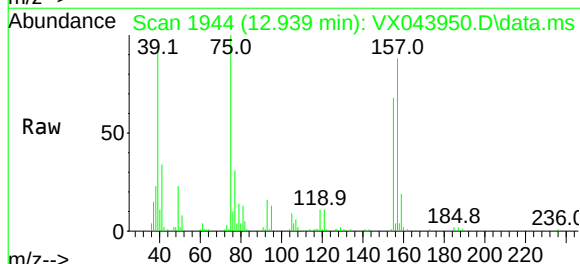
Tgt Ion: 75 Resp: 24188

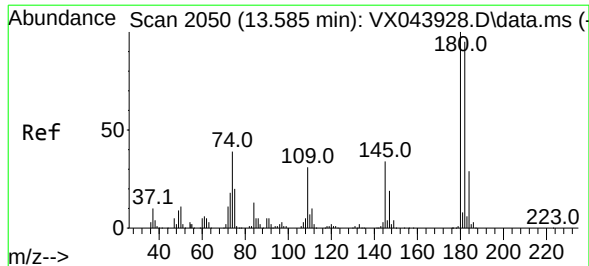
Ion Ratio Lower Upper

75 100

155 74.3 40.1 120.2

157 96.2 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 54.252 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 94940

Ion Ratio Lower Upper

180 100

182 92.6 48.0 144.2

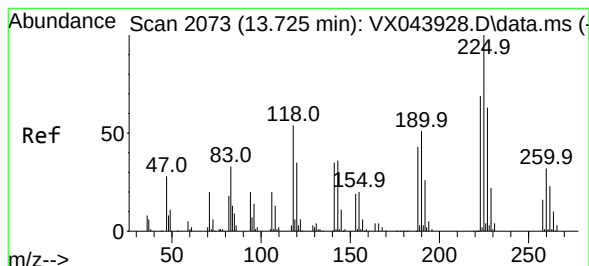
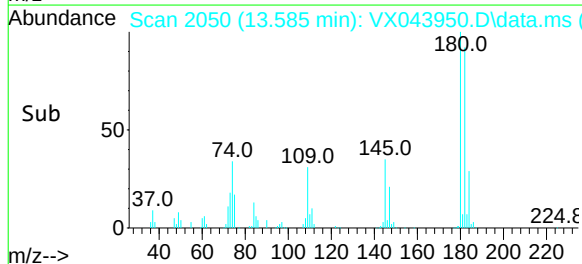
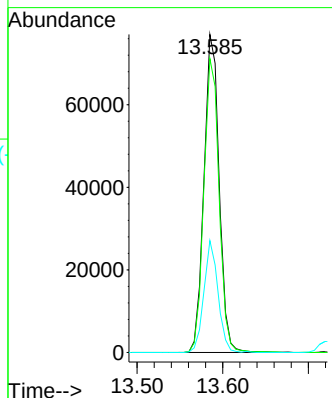
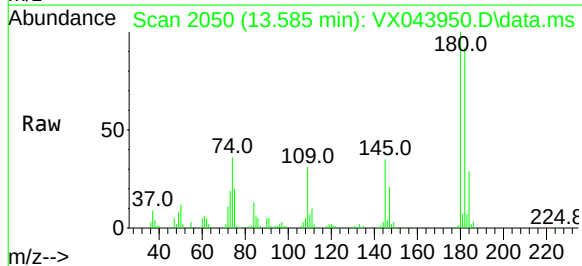
145 32.8 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 51.785 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

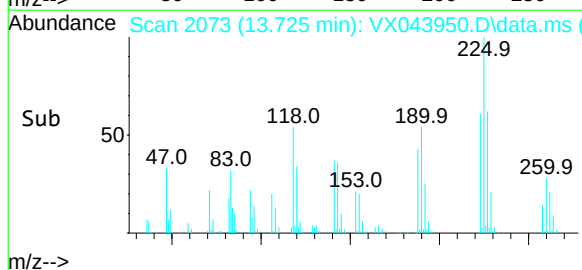
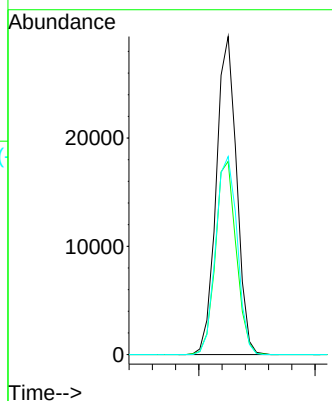
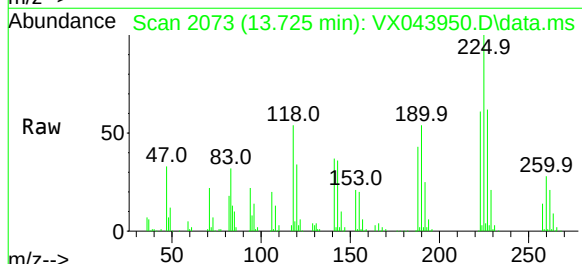
Tgt Ion:225 Resp: 35816

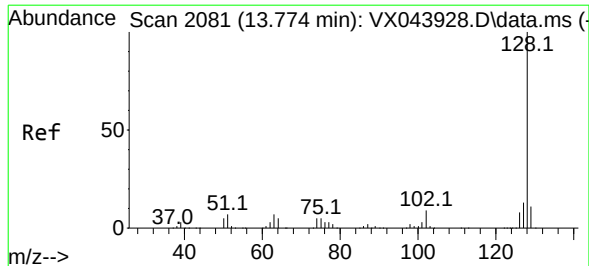
Ion Ratio Lower Upper

225 100

223 61.7 32.9 98.6

227 65.7 31.6 94.8





#95

Naphthalene

Concen: 55.215 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043950.D

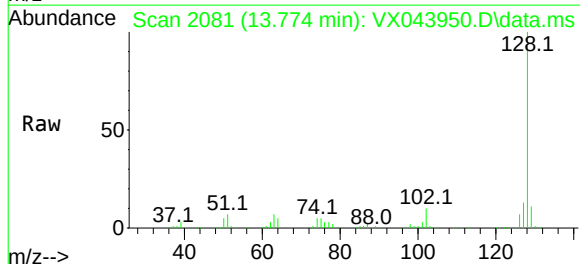
Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050



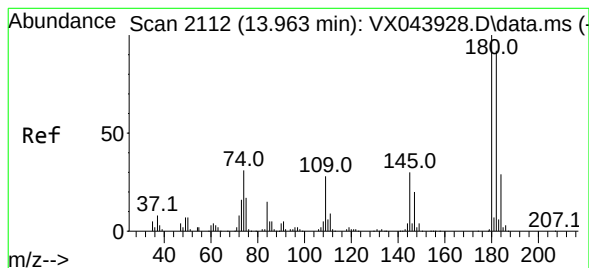
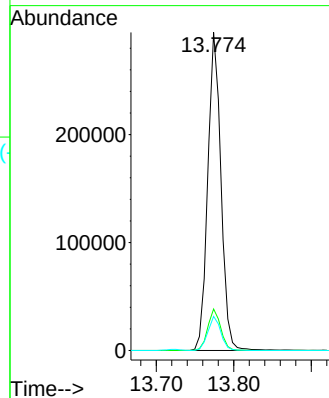
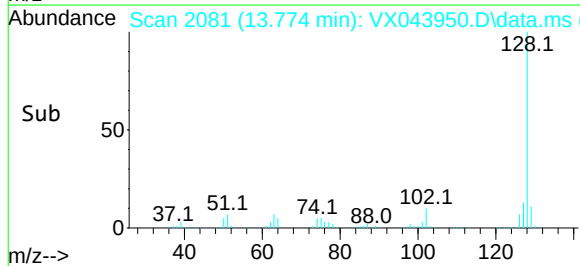
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 347826 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.9  | 10.2  | 15.2   |
| 129      | 10.6  | 8.6   | 12.8   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

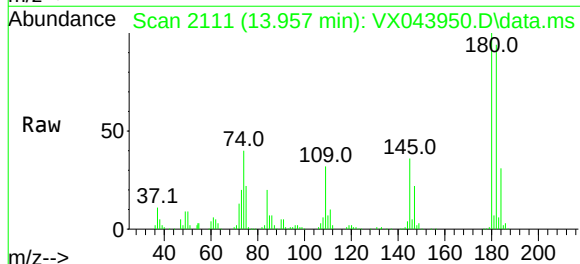
Concen: 55.041 ug/l

RT: 13.957 min Scan# 2111

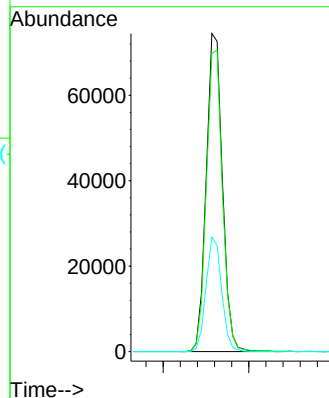
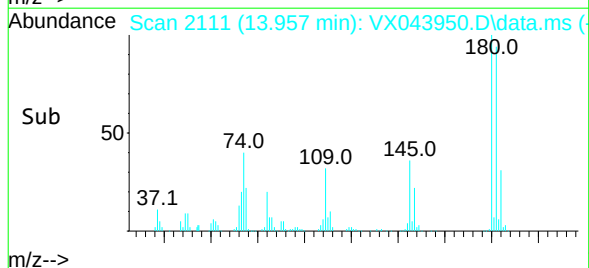
Delta R.T. -0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 97491 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.5  | 45.6  | 136.8 |
| 145      | 34.8  | 16.4  | 49.4  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.699 | -10.4  | 88    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.733 | -9.9   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.742 | -4.7#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.458 | -5.0   | 89    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.419 | 3.0    | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.478 | -16.6  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.473 | -2.4   | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.652 | -7.8   | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.789 | -4.5   | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.130 | 5.8    | 78    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.586 | -1.7#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.146 | -0.7   | 87    | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 1.013 | -7.7   | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.356 | -6.3   | 83    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.395 | -0.3   | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 1.132 | 4.7    | 76    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.947 | -3.3   | 83    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 2.228 | -6.5   | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.684 | -2.4   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.624 | -4.9   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 2.151 | -6.9   | 86    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.880 | -9.2   | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.252 | -7.8   | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.528 | -3.9   | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 1.090 | -3.9   | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.765 | -4.1   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.493 | 3.5    | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.321 | -2.9   | 82    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.325 | -6.1#  | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 0.956 | 1.019 | -6.6   | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 1.175 | -9.1   | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.843 | 1.7    | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.359 | -0.6   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.495 | -11.2  | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.580 | -4.9   | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.540 | -8.0   | 84    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.634 | -9.7   | 84    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.498 | -8.0   | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.293 | -3.5   | 77    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.607 | -9.0   | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.935 | -6.3   | 83    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.368 | 6.4    | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.374 | -10.0# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.290 | -7.8   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.527 | -9.3   | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.443 | -5.0   | 82    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.007 | 12.5   | 77    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.251 | -1.5   | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.578 | -7.6   | 83    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.912 | -9.9#  | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.540 | -10.0  | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.582 | -8.0   | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.359 | -4.7   | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.580 | -8.6   | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.630 | -9.2   | 88    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.287 | -5.1   | 81    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.435 | -7.9   | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.370 | -7.6   | 81    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.374 | -8.1   | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.433 | -3.3   | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.358 | -8.5   | 87    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.156 | -5.3   | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.391 | -9.8   | 83    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 2.060 | -10.7# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.769 | -10.8  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.748 | -10.3  | 83    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.258 | -12.2  | 84    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.263 | -9.6   | 78    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0    | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 4.000 | -4.1   | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 1.851 | -4.0   | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.353 | -2.8   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.138 | -3.8   | 85    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.941 | -2.6   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 4.616 | -7.5   | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.800 | -3.2   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 3.350 | -5.9   | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.390 | 3.0    | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 3.199 | -4.4   | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 3.307 | -5.5   | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.397 | -7.9   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 4.093 | -6.6   | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 3.454 | -10.7  | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.740 | -4.2   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.754 | -3.1   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 3.048 | -10.8  | 84    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.534 | -0.8   | 80    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.762 | -4.6   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.275 | -4.2   | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 1.078 | -8.5   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.407 | -3.6   | 87    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 3.949 | -10.4  | 87    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043950.D  
Acq On : 22 Nov 2024 11:22  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|------------------------|-------|-------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.107 | -10.0 | 87    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043950.D  
Acq On : 22 Nov 2024 11:22  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 86    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 55.175  | -10.3  | 88    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 54.963  | -9.9   | 91    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 52.301  | -4.6#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 52.486  | -5.0   | 89    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.505  | 3.0    | 79    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 58.296  | -16.6  | 94    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 51.158  | -2.3   | 86    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 53.892  | -7.8   | 86    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.213  | -4.4   | 84    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 236.901 | 5.2    | 78    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 50.831  | -1.7#  | 84    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 251.363 | -0.5   | 87    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 53.777  | -7.6   | 84    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 265.550 | -6.2   | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 250.770 | -0.3   | 80    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 47.616  | 4.8    | 76    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 51.629  | -3.3   | 83    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 53.261  | -6.5   | 85    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 51.146  | -2.3   | 89    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 52.461  | -4.9   | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 53.416  | -6.8   | 86    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 272.921 | -9.2   | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 53.913  | -7.8   | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 259.902 | -4.0   | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 51.956  | -3.9   | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 52.023  | -4.0   | 84    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 48.235  | 3.5    | 95    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 257.216 | -2.9   | 82    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 53.043  | -6.1#  | 87    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 53.324  | -6.6   | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 54.526  | -9.1   | 86    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.135  | 1.7    | 97    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 87    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.272  | -0.5   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 55.562  | -11.1  | 87    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.440  | -4.9   | 83    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.945  | -7.9   | 84    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 54.849  | -9.7   | 84    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 54.016  | -8.0   | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 51.710  | -3.4   | 77    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.501  | -9.0   | 88    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 53.153  | -6.3   | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 46.882  | 6.2    | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 55.044  | -10.1# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 53.916  | -7.8   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.645  | -9.3   | 84    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.453  | -4.9   | 82    | 0.00     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|--------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 956.809 | 4.3    | 77    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.769  | -1.5   | 99    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 269.433 | -7.8   | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 54.965  | -9.9#  | 86    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 54.971  | -9.9   | 83    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 54.052  | -8.1   | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 52.387  | -4.8   | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.352  | -8.7   | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 54.563  | -9.1   | 88    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 244.819 | 2.1    | 81    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 269.358 | -7.7   | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.853  | -7.7   | 81    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 54.040  | -8.1   | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.686  | -3.4   | 97    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0    | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 54.365  | -8.7   | 87    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.640  | -5.3   | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 54.854  | -9.7   | 83    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 55.362  | -10.7# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 110.758 | -10.8  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 55.187  | -10.4  | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 56.140  | -12.3  | 84    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 48.773  | 2.5    | 78    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0    | 88    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 52.039  | -4.1   | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.973  | -3.9   | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 51.403  | -2.8   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.893  | -3.8   | 85    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.338  | -2.7   | 85    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 53.765  | -7.5   | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 51.573  | -3.1   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.968  | -5.9   | 85    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 48.492  | 3.0    | 77    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.200  | -4.4   | 84    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 52.754  | -5.5   | 84    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.956  | -7.9   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.293  | -6.6   | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 55.361  | -10.7  | 86    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.089  | -4.2   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.511  | -3.0   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.414  | -10.8  | 84    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.336  | -0.7   | 80    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 52.281  | -4.6   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 52.076  | -4.2   | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 54.252  | -8.5   | 87    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 51.785  | -3.6   | 87    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 55.215  | -10.4  | 87    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043950.D  
Acq On : 22 Nov 2024 11:22  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev  | Area% | Dev(min) |
|------|------------------------|--------|--------|-------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 55.041 | -10.1 | 87    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.633 | 0.553  |            | -12.64 | 50    |
| Chloromethane                  | 0.667 | 0.604  | 0.1        | -9.44  | 50    |
| Vinyl Chloride                 | 0.709 | 0.633  |            | -10.72 | 50    |
| Bromomethane                   | 0.436 | 0.468  |            | 7.34   | 50    |
| Chloroethane                   | 0.432 | 0.412  |            | -4.63  | 50    |
| Trichlorofluoromethane         | 1.268 | 1.357  |            | 7.02   | 50    |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.544  |            | -10.08 | 50    |
| 1,1-Dichloroethene             | 0.576 | 0.528  |            | -8.33  | 50    |
| Acetone                        | 0.394 | 0.292  |            | -25.89 | 50    |
| Carbon Disulfide               | 1.188 | 1.034  |            | -12.96 | 50    |
| Methyl tert-butyl Ether        | 2.092 | 2.090  |            | -0.1   | 50    |
| Methyl Acetate                 | 0.917 | 0.846  |            | -7.74  | 50    |
| Methylene Chloride             | 0.668 | 0.624  |            | -6.59  | 50    |
| trans-1,2-Dichloroethene       | 0.595 | 0.569  |            | -4.37  | 50    |
| 1,1-Dichloroethane             | 1.161 | 1.155  | 0.1        | -0.52  | 50    |
| Cyclohexane                    | 0.956 | 0.884  |            | -7.53  | 50    |
| 2-Butanone                     | 0.508 | 0.453  |            | -10.83 | 50    |
| Carbon Tetrachloride           | 0.500 | 0.488  |            | -2.4   | 50    |
| cis-1,2-Dichloroethene         | 0.735 | 0.728  |            | -0.95  | 50    |
| Bromochloromethane             | 0.511 | 0.513  |            | 0.39   | 50    |
| Chloroform                     | 1.249 | 1.246  |            | -0.24  | 50    |
| 1,1,1-Trichloroethane          | 1.077 | 1.102  |            | 2.32   | 50    |
| Methylcyclohexane              | 0.578 | 0.512  |            | -11.42 | 50    |
| Benzene                        | 1.387 | 1.324  |            | -4.54  | 50    |
| 1,2-Dichloroethane             | 0.557 | 0.541  |            | -2.87  | 50    |
| Trichloroethene                | 0.393 | 0.317  |            | -19.34 | 50    |
| 1,2-Dichloropropane            | 0.340 | 0.329  |            | -3.23  | 50    |
| Bromodichloromethane           | 0.482 | 0.474  |            | -1.66  | 50    |
| 4-Methyl-2-Pentanone           | 0.537 | 0.509  |            | -5.21  | 50    |
| Toluene                        | 0.830 | 0.802  |            | -3.37  | 50    |
| t-1,3-Dichloropropene          | 0.491 | 0.480  |            | -2.24  | 50    |
| cis-1,3-Dichloropropene        | 0.539 | 0.525  |            | -2.6   | 50    |
| 1,1,2-Trichloroethane          | 0.343 | 0.324  |            | -5.54  | 50    |
| 2-Hexanone                     | 0.403 | 0.376  |            | -6.7   | 50    |
| Dibromochloromethane           | 0.344 | 0.327  |            | -4.94  | 50    |
| 1,2-Dibromoethane              | 0.346 | 0.340  |            | -1.73  | 50    |
| Tetrachloroethene              | 0.330 | 0.305  |            | -7.58  | 50    |
| Chlorobenzene                  | 1.098 | 1.047  | 0.3        | -4.64  | 50    |

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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/22/2024 21:05

Lab File ID: VX043975.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.861 | 1.812  |            | -2.63 | 50    |
| m/p-Xylenes                 | 0.694 | 0.689  |            | -0.72 | 50    |
| o-Xylene                    | 0.678 | 0.676  |            | -0.29 | 50    |
| Styrene                     | 1.121 | 1.146  |            | 2.23  | 50    |
| Bromoform                   | 0.240 | 0.239  | 0.1        | -0.42 | 50    |
| Isopropylbenzene            | 3.843 | 3.785  |            | -1.51 | 50    |
| 1,1,2,2-Tetrachloroethane   | 1.316 | 1.298  | 0.3        | -1.37 | 50    |
| 1,3-Dichlorobenzene         | 1.670 | 1.571  |            | -5.93 | 50    |
| 1,4-Dichlorobenzene         | 1.702 | 1.595  |            | -6.29 | 50    |
| 1,2-Dichlorobenzene         | 1.685 | 1.612  |            | -4.33 | 50    |
| 1,2-Dibromo-3-Chloropropane | 0.264 | 0.249  |            | -5.68 | 50    |
| 1,2,4-Trichlorobenzene      | 0.994 | 0.936  |            | -5.84 | 50    |
| 1,2,3-Trichlorobenzene      | 1.006 | 1.011  |            | 0.5   | 50    |
| 1,2-Dichloroethane-d4       | 0.858 | 0.889  |            | 3.61  | 50    |
| Dibromofluoromethane        | 0.357 | 0.358  |            | 0.28  | 50    |
| Toluene-d8                  | 1.232 | 1.216  |            | -1.3  | 50    |
| 4-Bromofluorobenzene        | 0.419 | 0.417  |            | -0.48 | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/25/2024  
 Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 122980   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 223634   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 188299   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 86425    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 109385   | 51.858   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 103.720% |
| 35) Dibromofluoromethane  | 5.379  | 113   | 80080    | 50.113   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 100.220% |
| 50) Toluene-d8            | 8.647  | 98    | 272032   | 49.385   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 98.780%  |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 93160    | 49.694   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 99.380%  |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 68061   | 43.686  | ug/l | 100    |
| 3) Chloromethane             | 1.295 | 50  | 74224   | 45.274  | ug/l | 97     |
| 4) Vinyl Chloride            | 1.374 | 62  | 77794   | 44.612  | ug/l | 96     |
| 5) Bromomethane              | 1.593 | 94  | 57584   | 53.679  | ug/l | 100    |
| 6) Chloroethane              | 1.666 | 64  | 50694   | 47.709  | ug/l | 100    |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 166881  | 53.528  | ug/l | 99     |
| 8) Diethyl Ether             | 2.136 | 74  | 52774   | 46.443  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 66870   | 44.966  | ug/l | 98     |
| 10) Methyl Iodide            | 2.447 | 142 | 87758   | 47.250  | ug/l | 97     |
| 11) Tert butyl alcohol       | 3.002 | 59  | 72806   | 215.043 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 64902   | 45.800  | ug/l | 96     |
| 13) Acrolein                 | 2.233 | 56  | 77602   | 217.457 | ug/l | 97     |
| 14) Allyl chloride           | 2.654 | 41  | 113282  | 48.923  | ug/l | 98     |
| 15) Acrylonitrile            | 3.069 | 53  | 194254  | 235.443 | ug/l | 98     |
| 16) Acetone                  | 2.386 | 43  | 179850  | 185.644 | ug/l | 100    |
| 17) Carbon Disulfide         | 2.502 | 76  | 127176  | 43.508  | ug/l | 98     |
| 18) Methyl Acetate           | 2.703 | 43  | 104004  | 46.099  | ug/l | 100    |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 257085  | 49.964  | ug/l | 98     |
| 20) Methylene Chloride       | 2.782 | 84  | 76764   | 46.692  | ug/l | 96     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 70023   | 47.861  | ug/l | 98     |
| 22) Diisopropyl ether        | 3.758 | 45  | 248613  | 50.212  | ug/l | 92     |
| 23) Vinyl Acetate            | 3.721 | 43  | 1083211 | 255.744 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 142098  | 49.748  | ug/l | 100    |
| 25) 2-Butanone               | 4.562 | 43  | 278537  | 222.822 | ug/l | 100    |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 117521  | 45.557  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 89489   | 49.483  | ug/l | 99     |
| 28) Bromochloromethane       | 4.891 | 49  | 63042   | 50.141  | ug/l | 98     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 175631  | 229.176 | ug/l | 99     |
| 30) Chloroform               | 5.087 | 83  | 153240  | 49.881  | ug/l | 98     |
| 31) Cyclohexane              | 5.458 | 56  | 108654  | 46.218  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 135463  | 51.132  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 96384   | 48.403  | ug/l | 99     |
| 37) Ethyl Acetate            | 4.715 | 43  | 111838  | 45.245  | ug/l | 99     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 109113  | 48.766  | ug/l | 99     |
| 39) Methylcyclohexane        | 7.373 | 83  | 114556  | 44.283  | ug/l | 97     |
| 40) Benzene                  | 6.032 | 78  | 296066  | 47.732  | ug/l | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 58876    | 46.538  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 120886   | 48.527  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 188827   | 48.002  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 70858    | 40.354  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.422  | 63   | 73488    | 48.373  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 57212    | 47.608  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 106111   | 49.233  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 86803    | 45.987  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 23838    | 708.970 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 569005   | 237.028 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 179366   | 48.314  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 107403   | 48.867  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 117473   | 48.756  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 72401    | 47.244  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 118682   | 49.720  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 123967   | 48.020  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 279741   | 213.469 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 420948   | 233.298 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 73109    | 47.547  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 76113    | 49.118  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 57495    | 46.307  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.080 | 112  | 197185   | 47.680  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 66254    | 49.398  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 341272   | 48.699  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 259471   | 99.287  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 127383   | 49.924  | ug/l   | 96       |
| 70) Styrene                   | 10.653 | 104  | 215795   | 51.134  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 45026    | 44.579  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 327150   | 49.244  | ug/l   | 100      |
| 74) N-ethyl acetate           | 10.842 | 43   | 158903   | 51.633  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 112173   | 49.312  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 94567m   | 49.896  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 76053    | 47.990  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 379686   | 51.172  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 231439   | 49.328  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 277669   | 50.803  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 30621    | 44.087  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 265745   | 50.170  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 275078   | 50.777  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 274500   | 50.446  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 325633   | 49.060  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 271259   | 50.312  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 135787   | 47.044  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 137836   | 46.839  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 240255   | 50.543  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 44170    | 48.179  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 139290   | 47.819  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 21512    | 47.196  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 80863    | 47.087  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 29838    | 43.962  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 311837   | 50.444  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 87371    | 50.266  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043975.D  
Acq On : 22 Nov 2024 21:05  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:32:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

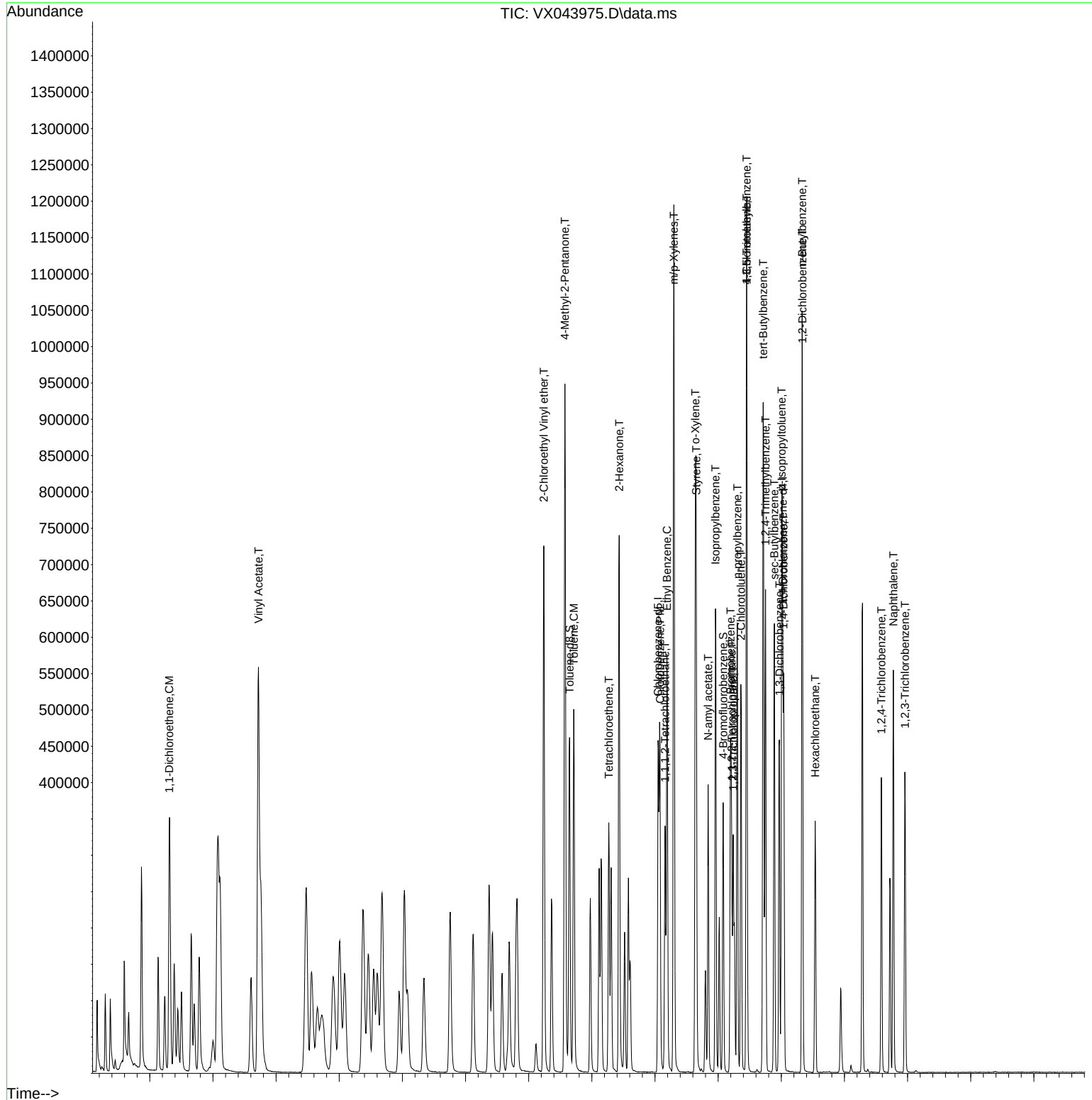
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Data File : VX043975.D  
Acq On : 22 Nov 2024 21:05  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

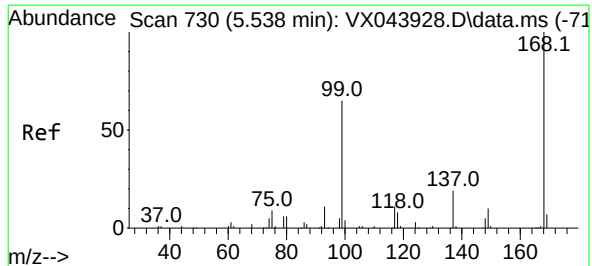
Manual Integrations  
APPROVED

Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:32:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration







#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:168 Resp: 122980

Ion Ratio Lower Upper

168 100

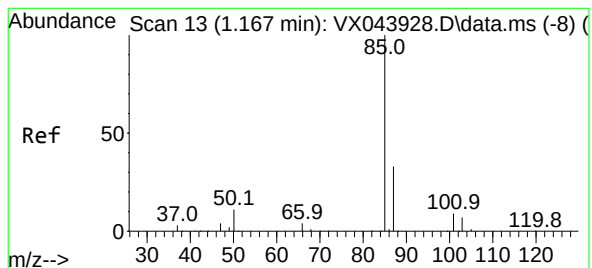
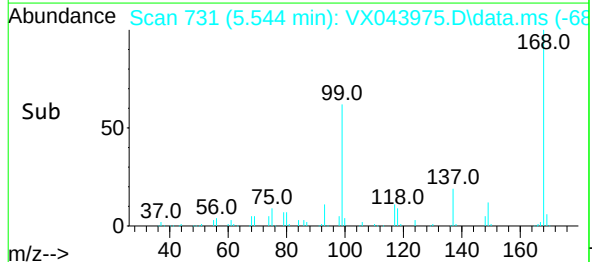
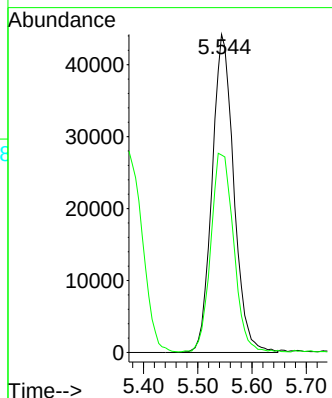
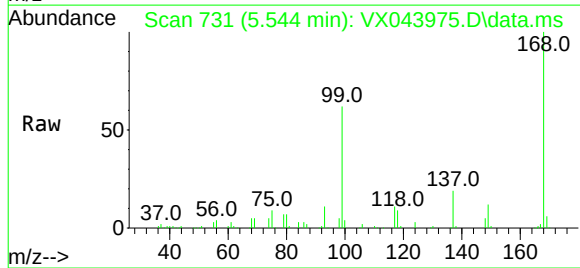
99 61.9 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#2

Dichlorodifluoromethane

Concen: 43.686 ug/l

RT: 1.167 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043975.D

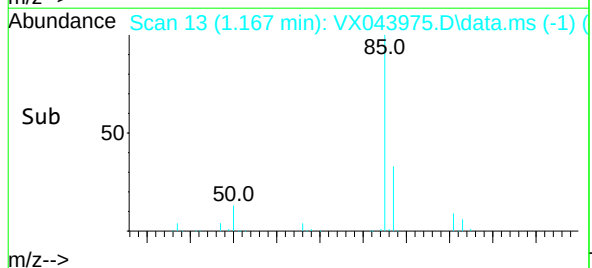
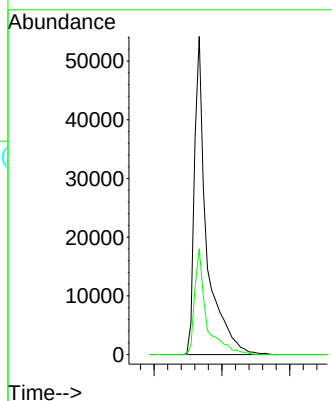
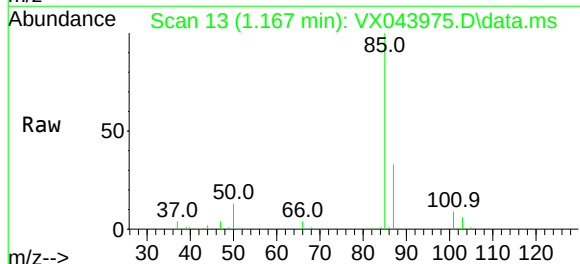
Acq: 22 Nov 2024 21:05

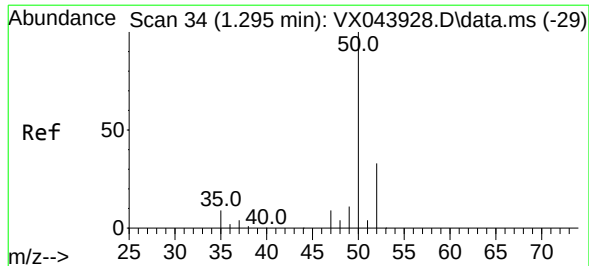
Tgt Ion: 85 Resp: 68061

Ion Ratio Lower Upper

85 100

87 33.3 16.6 49.8





#3

Chloromethane

Concen: 45.274 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 74224

Ion Ratio Lower Upper

50 100

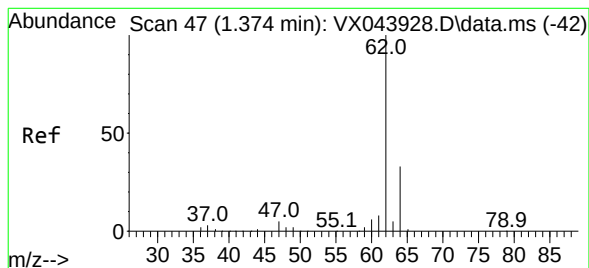
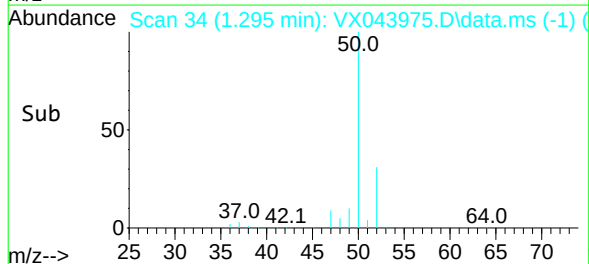
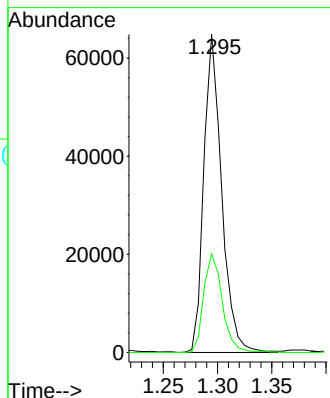
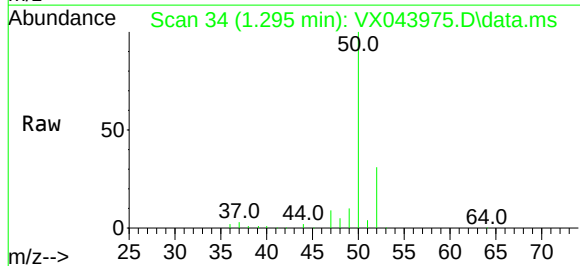
52 31.0 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#4

Vinyl Chloride

Concen: 44.612 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043975.D

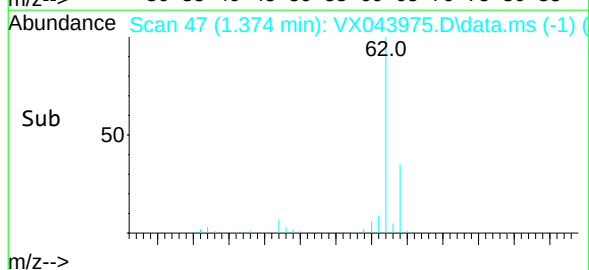
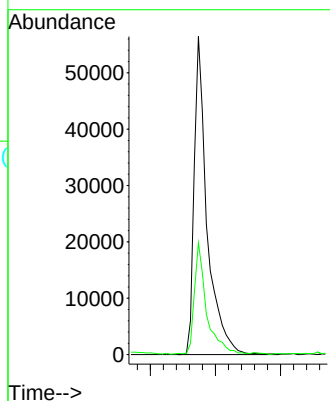
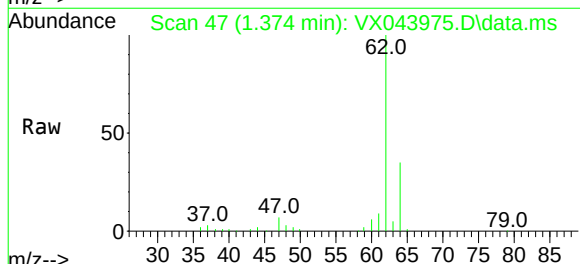
Acq: 22 Nov 2024 21:05

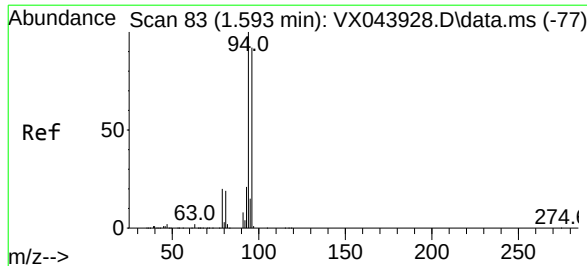
Tgt Ion: 62 Resp: 77794

Ion Ratio Lower Upper

62 100

64 34.8 26.2 39.4





#5

Bromomethane

Concen: 53.679 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 57584

Ion Ratio Lower Upper

94 100

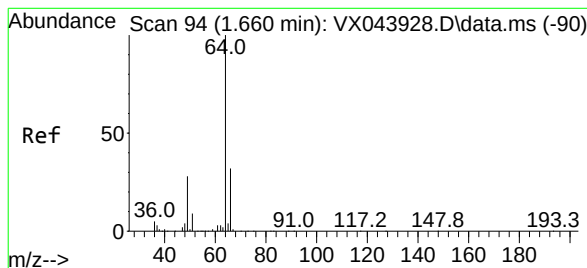
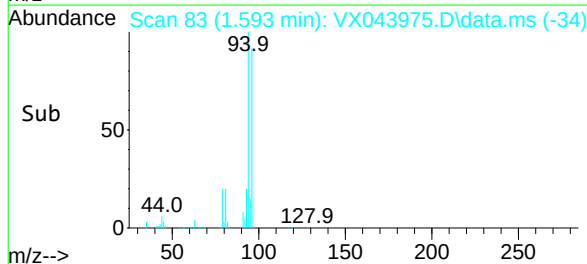
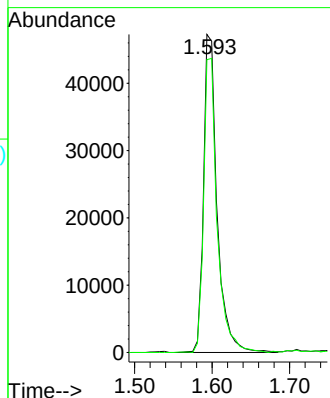
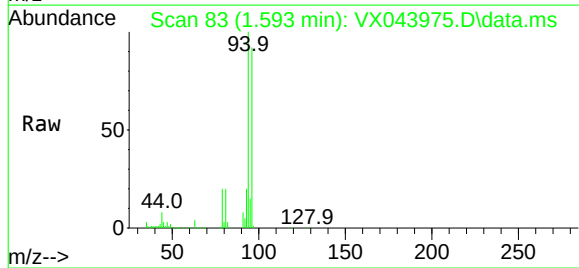
96 91.9 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 47.709 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043975.D

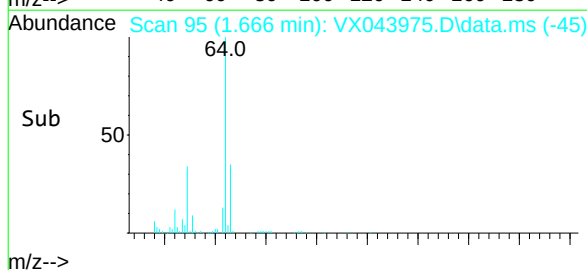
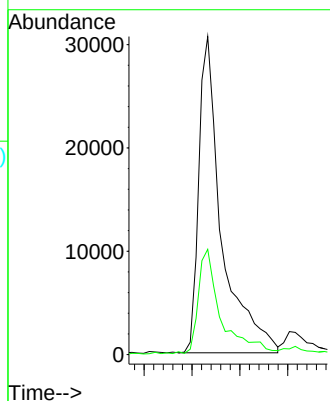
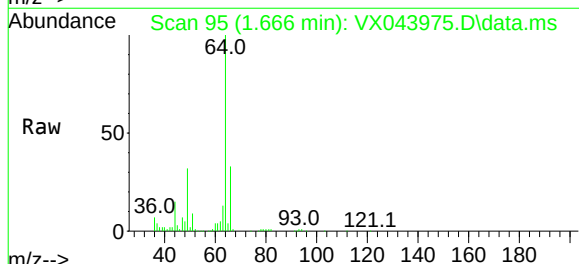
Acq: 22 Nov 2024 21:05

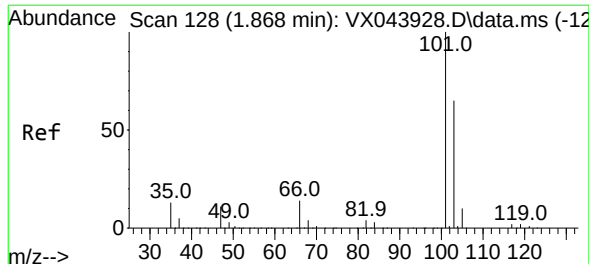
Tgt Ion: 64 Resp: 50694

Ion Ratio Lower Upper

64 100

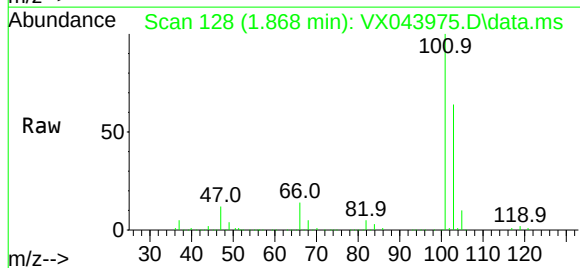
66 32.4 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 53.528 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

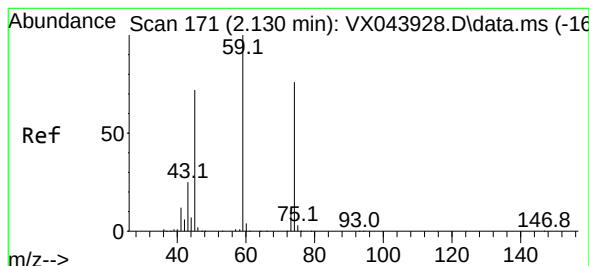
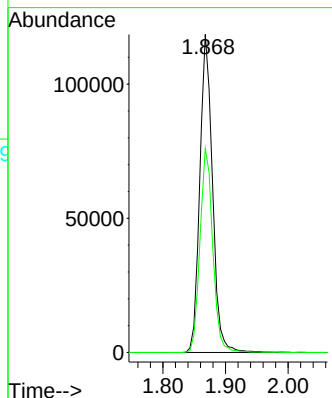
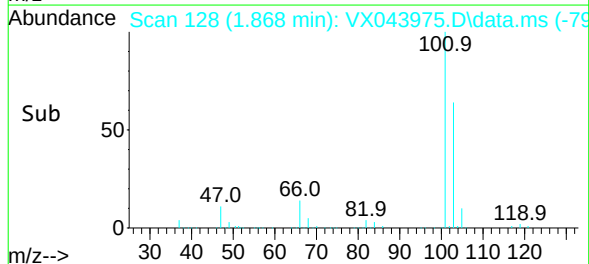
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



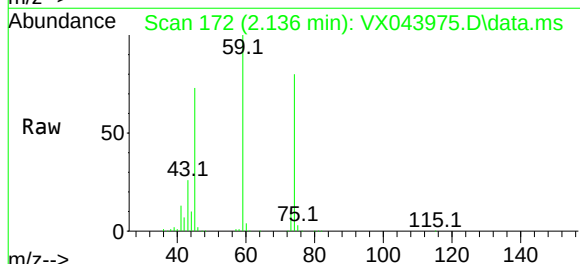
Tgt Ion:101 Resp: 166881  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.2 78.2

Manual Integrations  
**APPROVED**

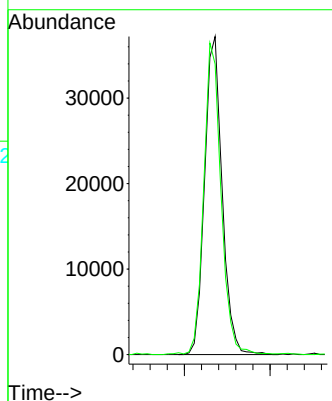
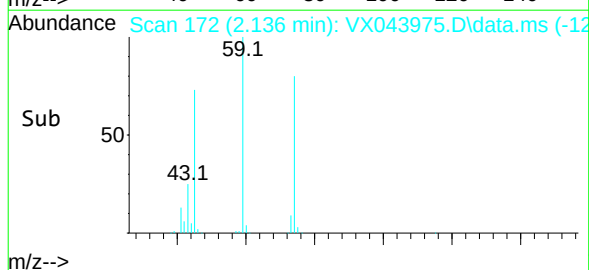
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

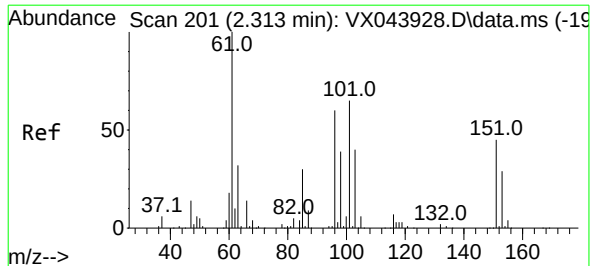


#8  
Diethyl Ether  
Concen: 46.443 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05



Tgt Ion: 74 Resp: 52774  
Ion Ratio Lower Upper  
74 100  
45 97.1 47.9 143.6





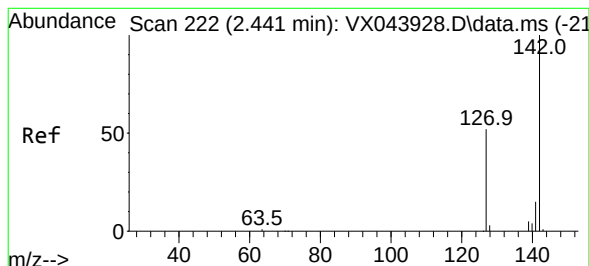
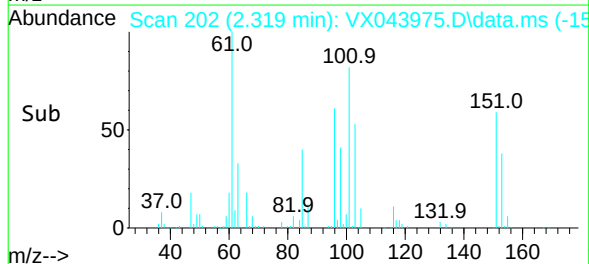
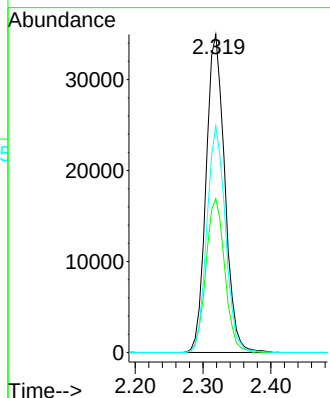
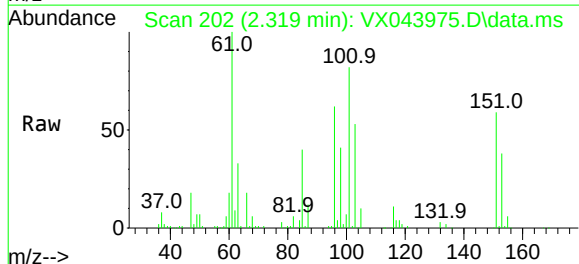
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.966 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 66876  
Ion Ratio Lower Upper  
101 100  
85 48.8 37.9 56.9  
151 70.6 57.5 86.3

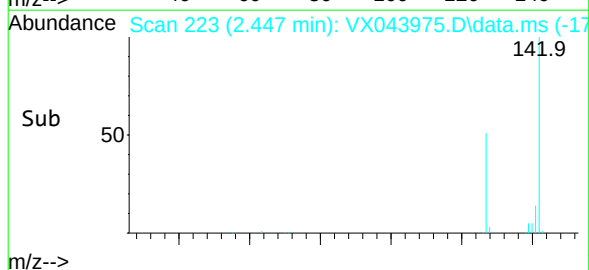
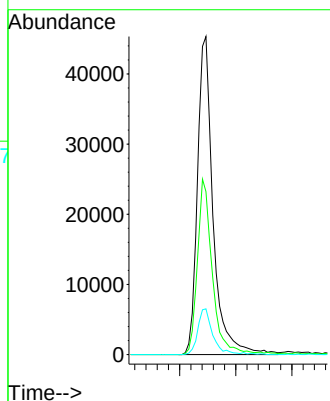
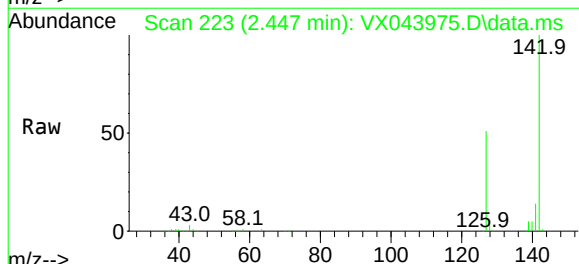
Manual Integrations  
APPROVED

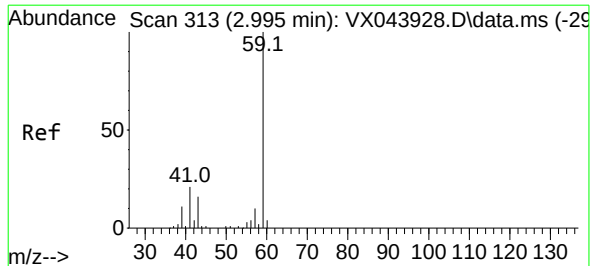
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#10  
Methyl Iodide  
Concen: 47.250 ug/l  
RT: 2.447 min Scan# 223  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion:142 Resp: 87758  
Ion Ratio Lower Upper  
142 100  
127 53.0 40.7 61.1  
141 13.6 12.0 18.0





#11

Tert butyl alcohol

Concen: 215.043 ug/l

RT: 3.002 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 72806

Ion Ratio Lower Upper

59 100

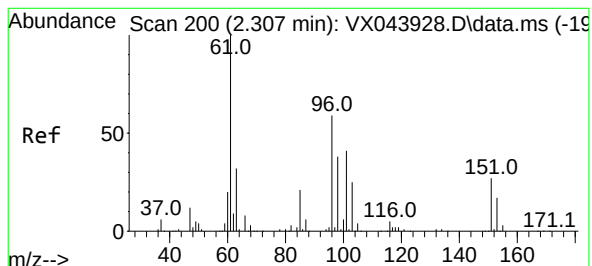
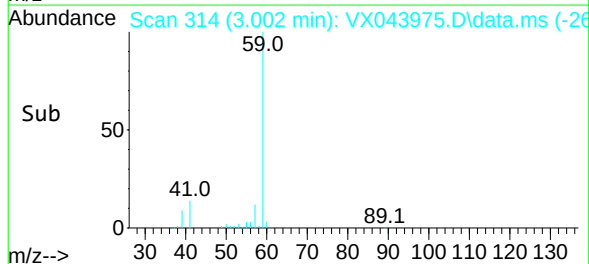
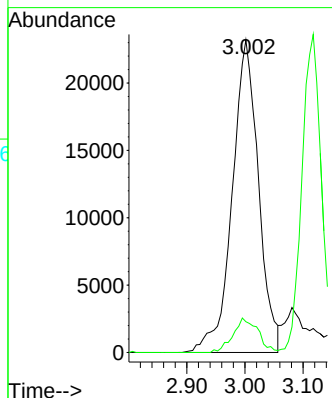
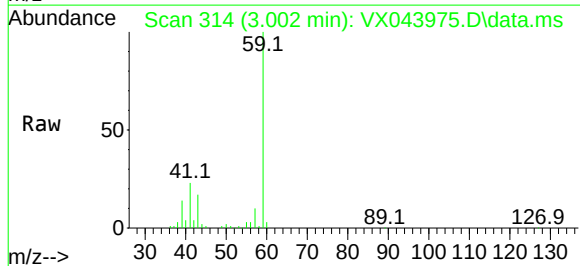
57 10.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 45.800 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

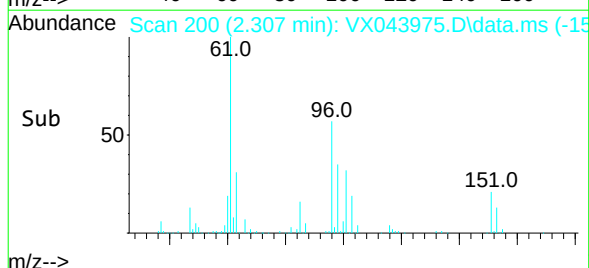
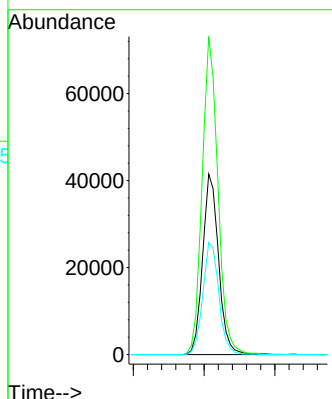
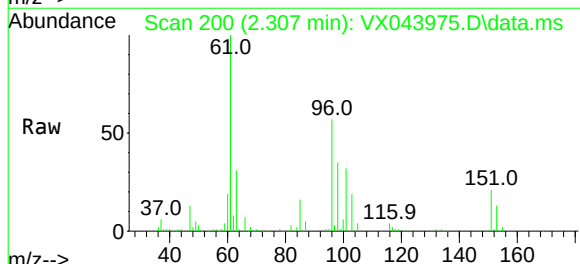
Tgt Ion: 96 Resp: 64902

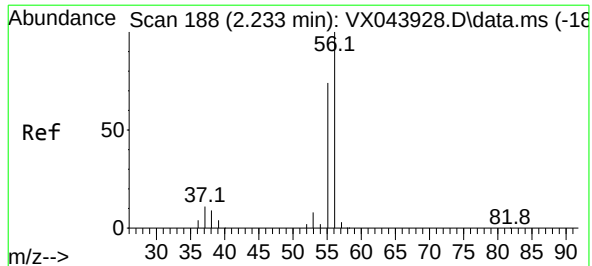
Ion Ratio Lower Upper

96 100

61 176.1 135.5 203.3

98 62.2 50.8 76.2





#13

Acrolein

Concen: 217.457 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 77602

Ion Ratio Lower Upper

56 100

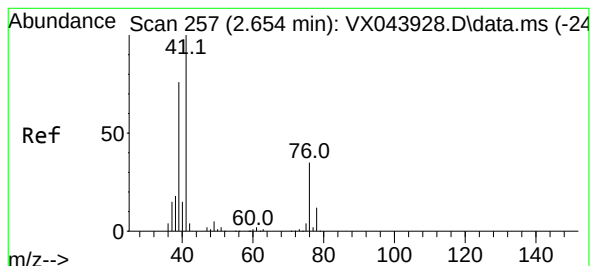
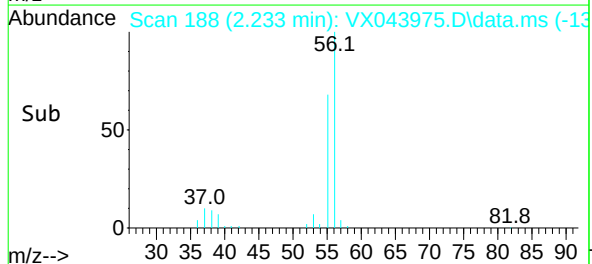
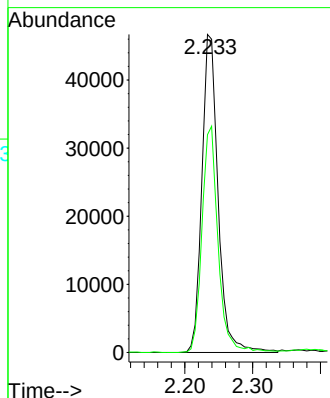
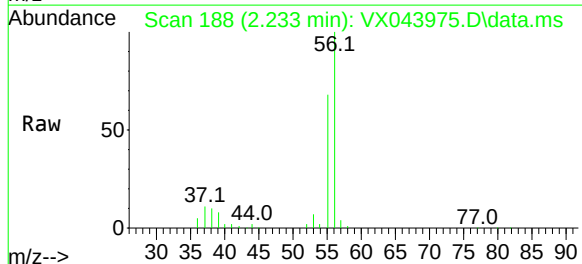
55 70.5 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 48.923 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

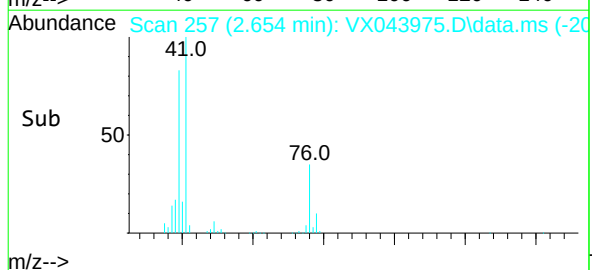
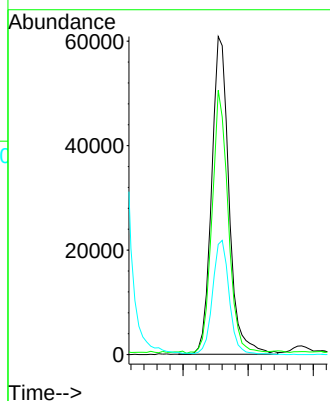
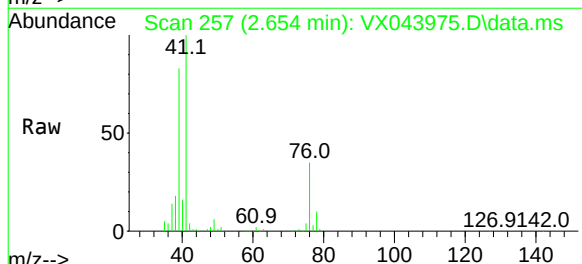
Tgt Ion: 41 Resp: 113282

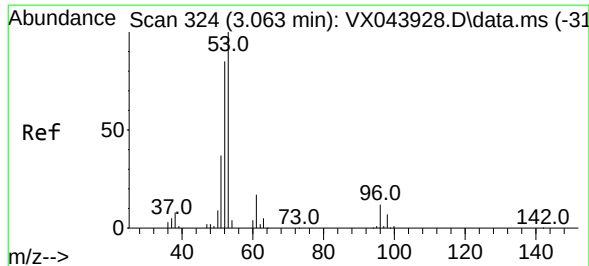
Ion Ratio Lower Upper

41 100

39 76.8 59.5 89.3

76 34.4 27.4 41.2





#15

Acrylonitrile

Concen: 235.443 ug/l

RT: 3.069 min Scan# 324

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

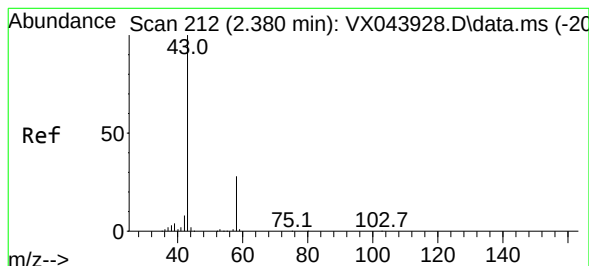
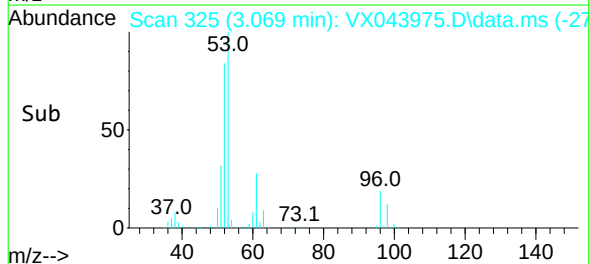
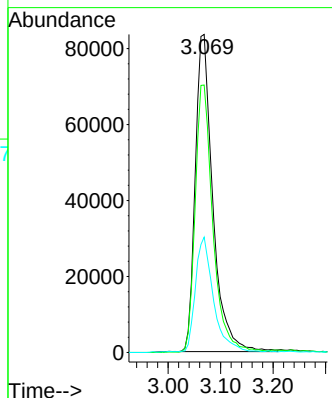
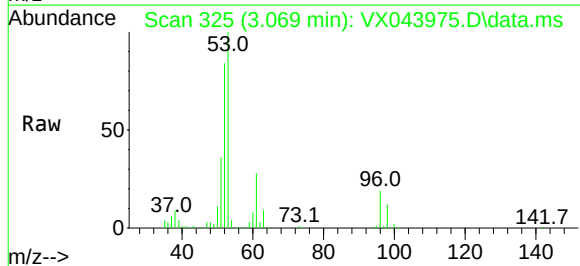
ClientSampleId :

VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 194254 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 85.2  | 66.5  | 99.7   |
| 51       | 36.6  | 30.2  | 45.4   |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 185.644 ug/l

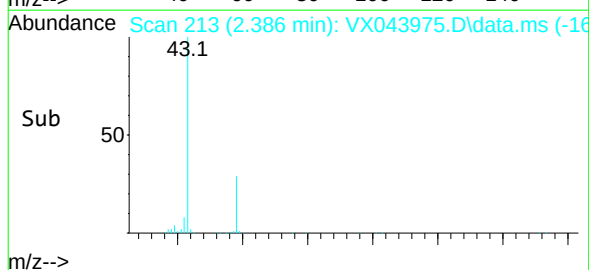
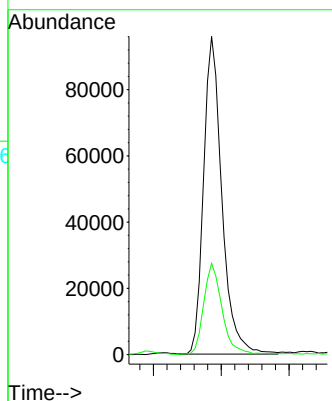
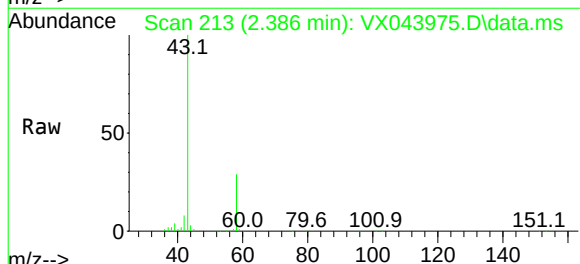
RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

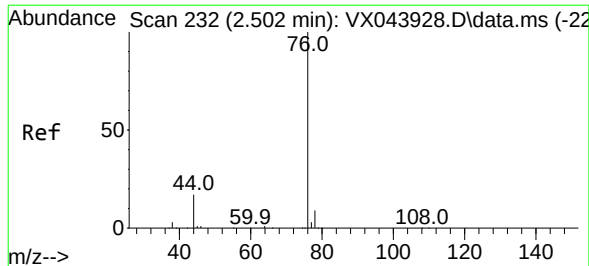
Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 179850 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 28.6  | 22.7  | 34.1   |







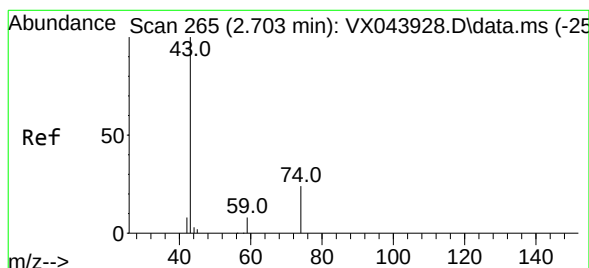
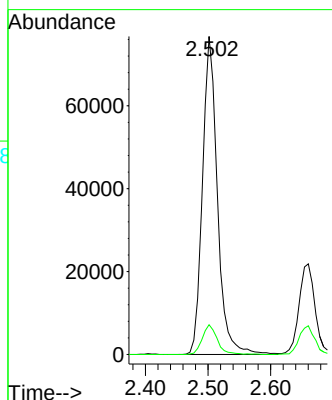
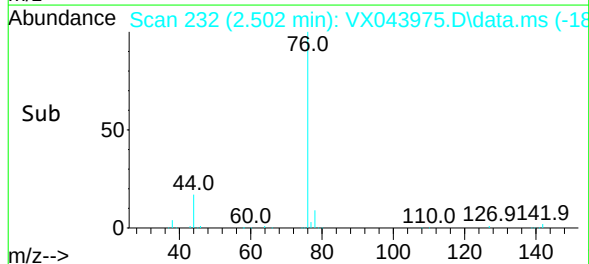
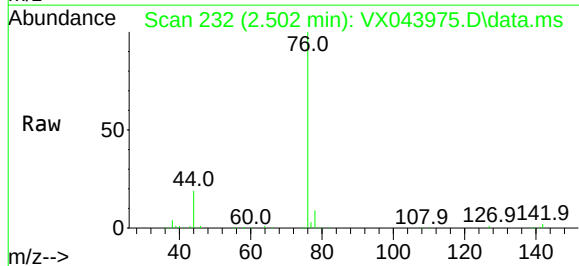
#17  
Carbon Disulfide  
Concen: 43.508 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 127176  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.6

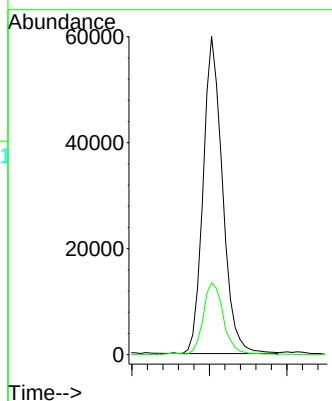
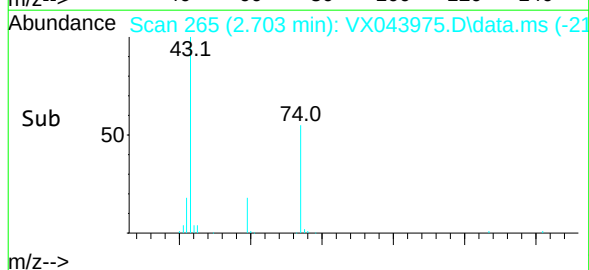
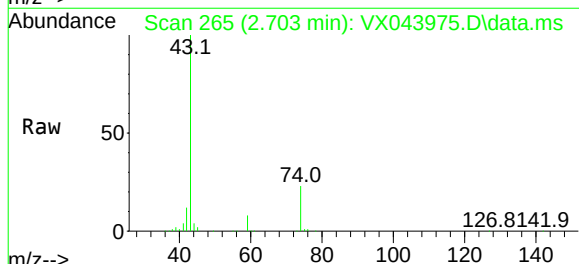
Manual Integrations  
APPROVED

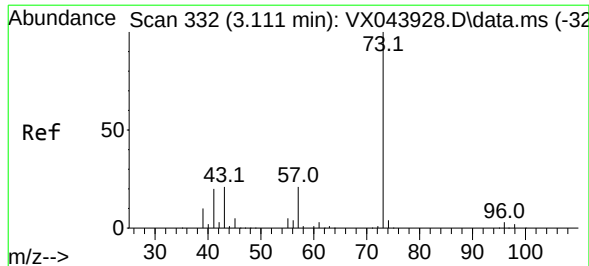
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#18  
Methyl Acetate  
Concen: 46.099 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 104004  
Ion Ratio Lower Upper  
43 100  
74 23.7 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 49.964 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 257085

Ion Ratio Lower Upper

73 100

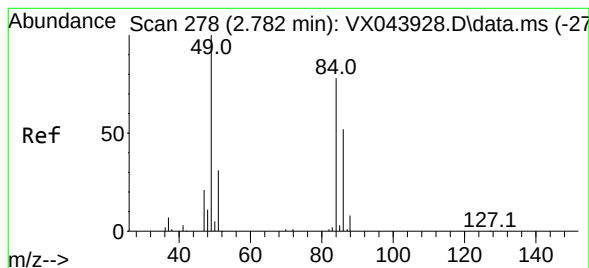
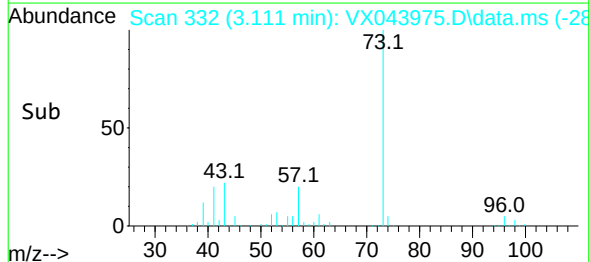
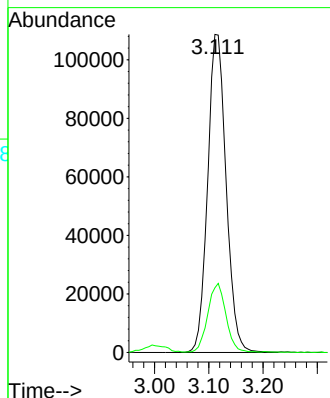
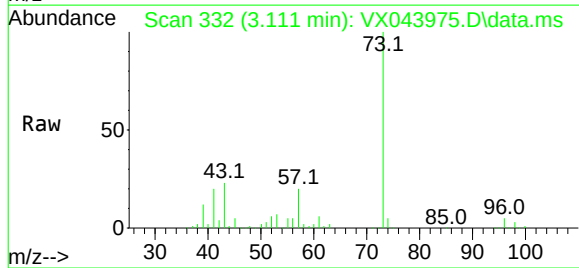
57 20.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 46.692 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Tgt Ion: 84 Resp: 76764

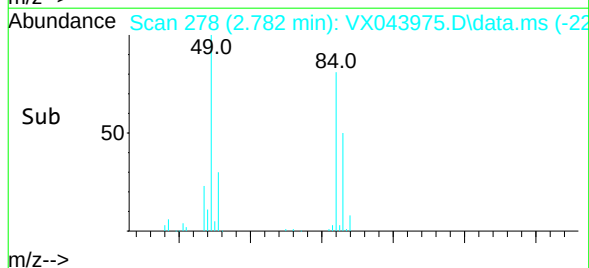
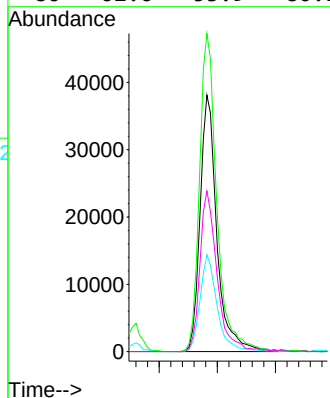
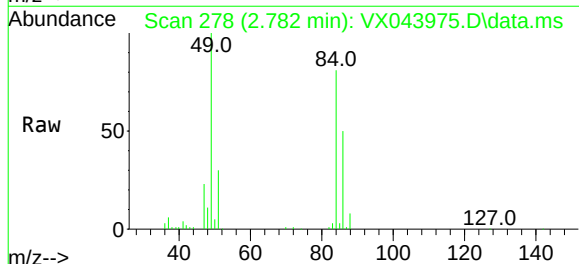
Ion Ratio Lower Upper

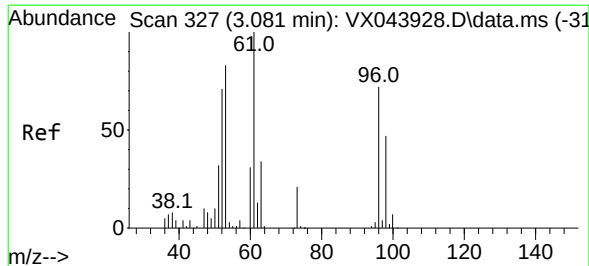
84 100

49 124.0 102.7 154.1

51 37.8 31.7 47.5

86 62.6 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 47.861 ug/l

RT: 3.087 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX043975.D

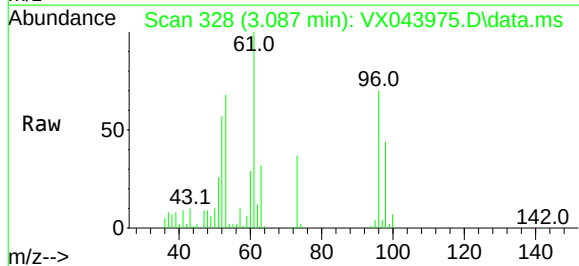
Acq: 22 Nov 2024 21:05

Instrument :

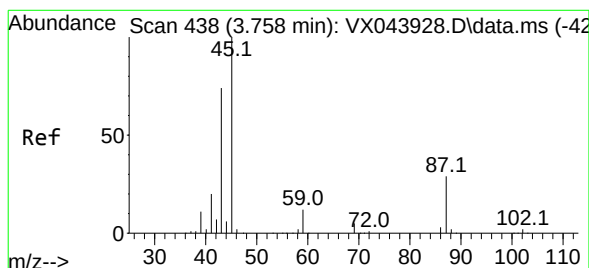
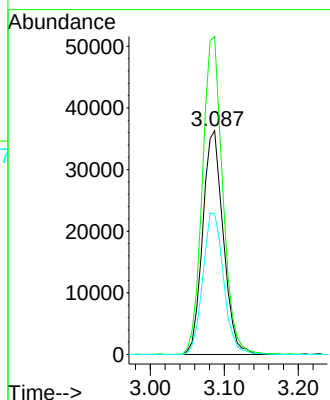
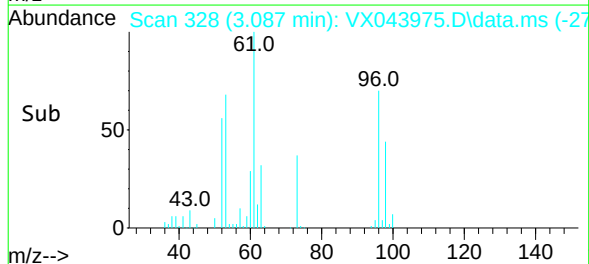
MSVOA\_X

ClientSampleId :

VSTDCCC050EC



| Tgt Ion: | 96    | Resp: | 70023 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 141.9 | 111.8 | 167.6 |
| 98       | 63.0  | 52.7  | 79.1  |

Manual Integrations  
APPROVEDReviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

#22

Diisopropyl ether

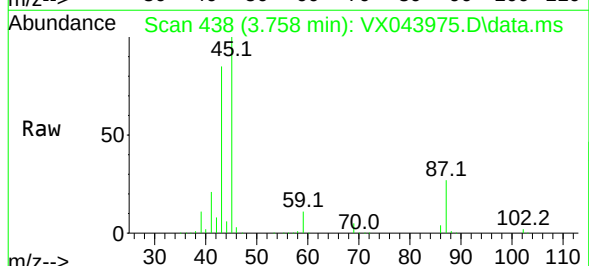
Concen: 50.212 ug/l

RT: 3.758 min Scan# 438

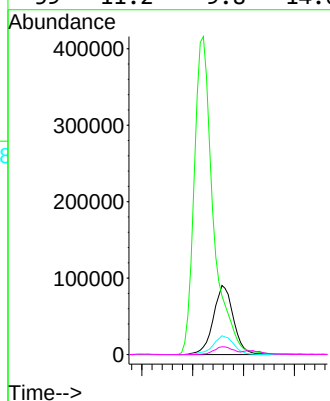
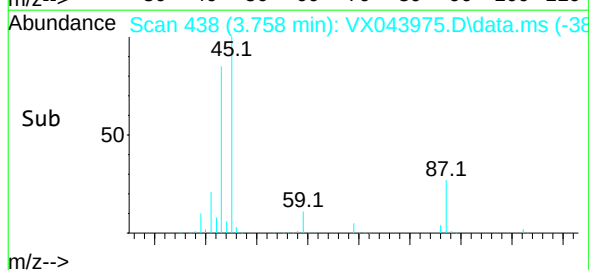
Delta R.T. -0.000 min

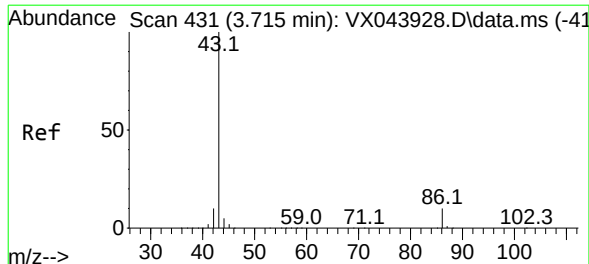
Lab File: VX043975.D

Acq: 22 Nov 2024 21:05



| Tgt Ion: | 45    | Resp: | 248613 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 84.4  | 59.6  | 89.4   |
| 87       | 27.2  | 22.9  | 34.3   |
| 59       | 11.2  | 9.8   | 14.6   |





#23

Vinyl Acetate

Concen: 255.744 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1083211

Ion Ratio Lower Upper

43 100

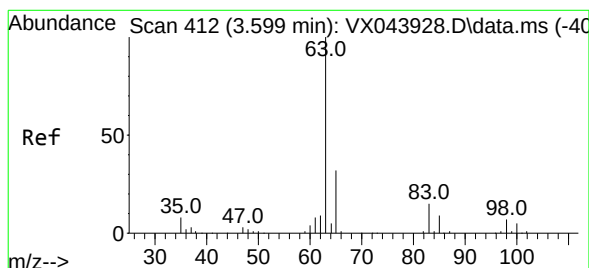
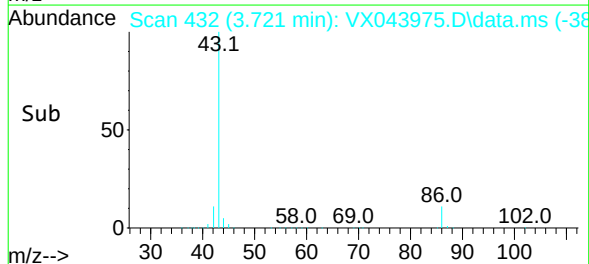
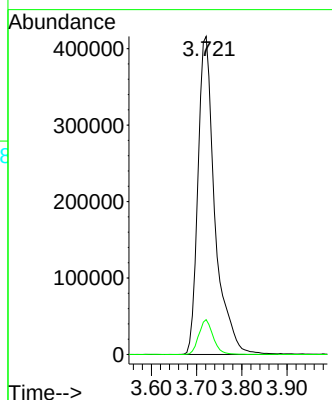
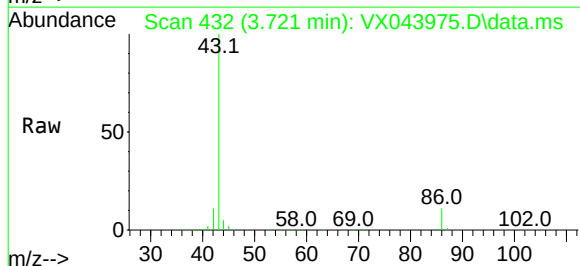
86 11.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 49.748 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

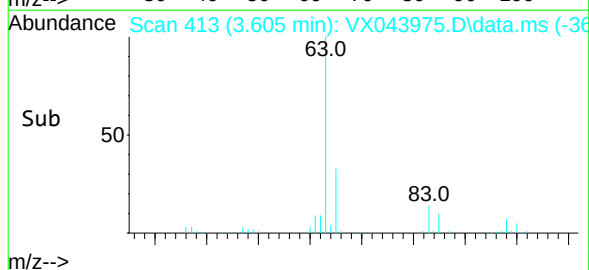
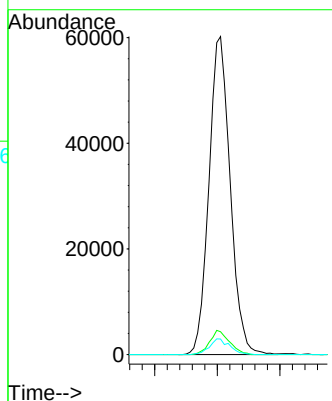
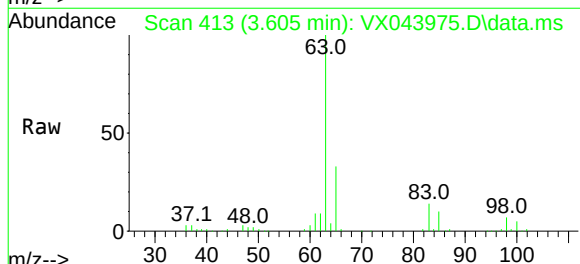
Tgt Ion: 63 Resp: 142098

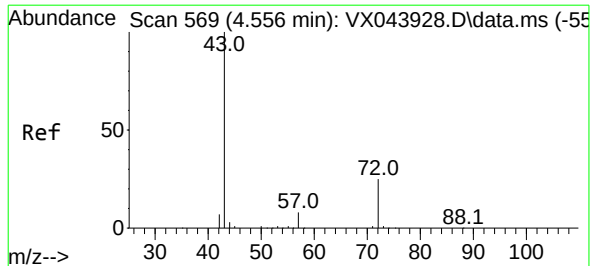
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 222.822 ug/l

RT: 4.562 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 278537

Ion Ratio Lower Upper

43 100

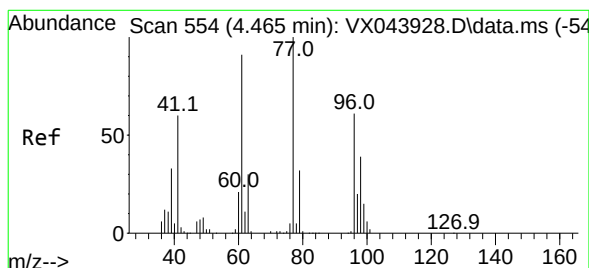
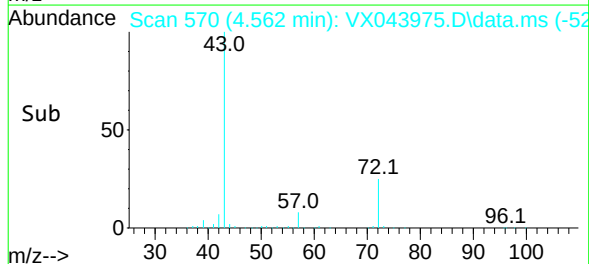
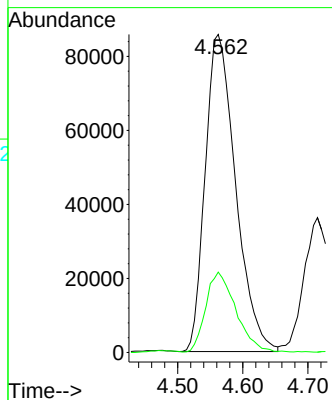
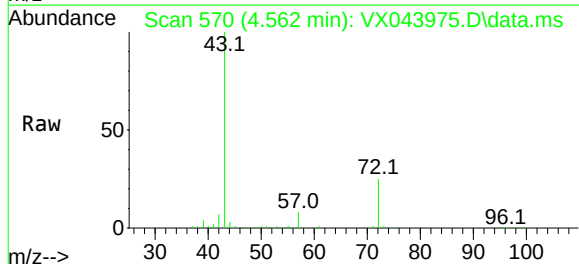
72 25.0 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#26

2,2-Dichloropropane

Concen: 45.557 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043975.D

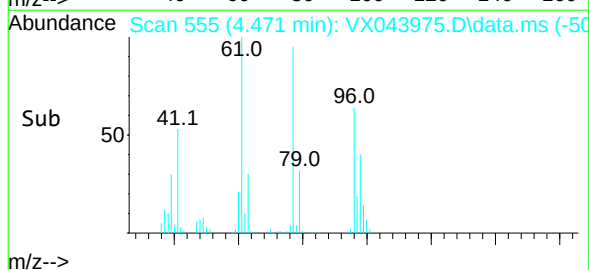
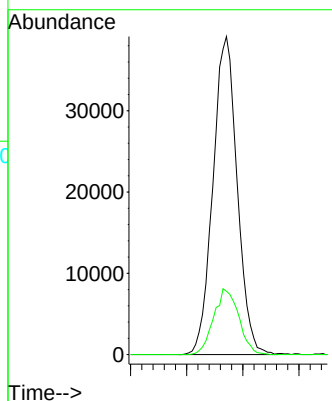
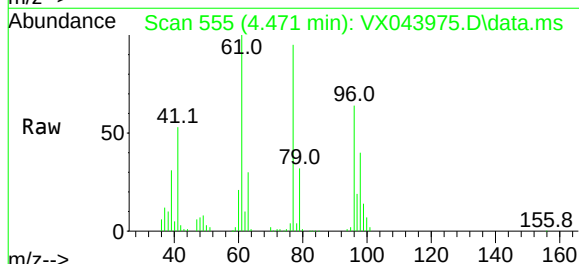
Acq: 22 Nov 2024 21:05

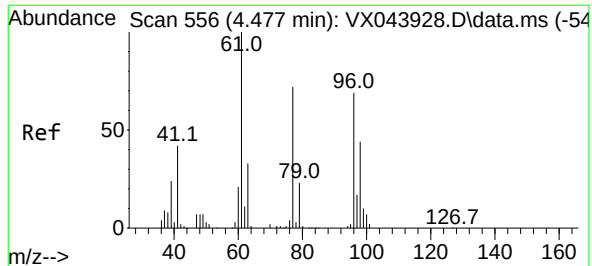
Tgt Ion: 77 Resp: 117521

Ion Ratio Lower Upper

77 100

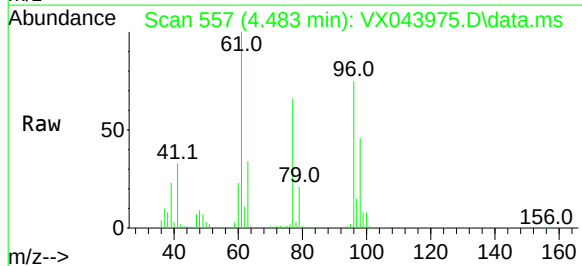
97 21.4 10.8 32.3





#27  
cis-1,2-Dichloroethene  
Concen: 49.483 ug/l  
RT: 4.483 min Scan# 556  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

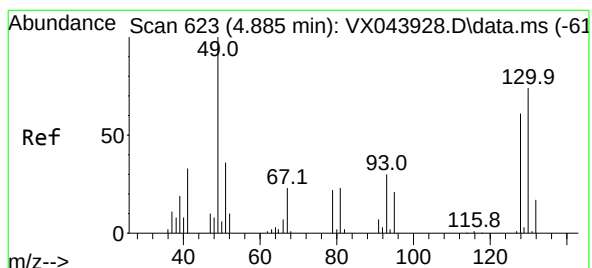
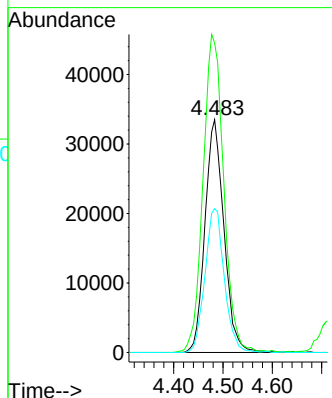
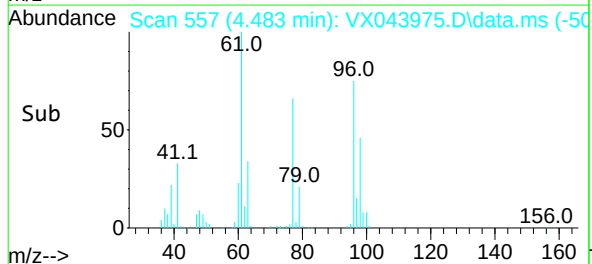
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 96 Resp: 89489  
Ion Ratio Lower Upper  
96 100  
61 148.3 0.0 297.4  
98 63.1 0.0 127.8

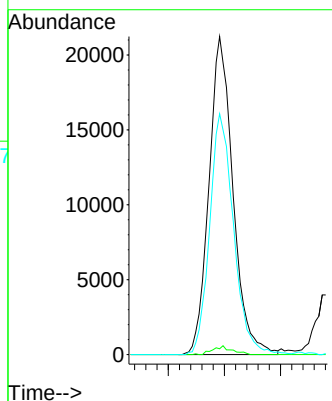
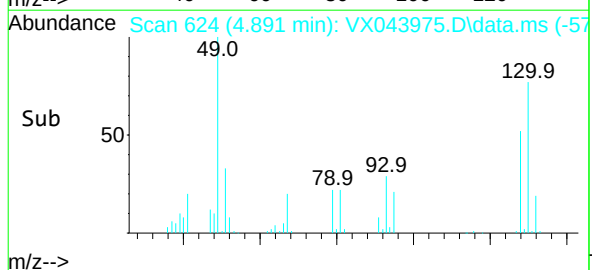
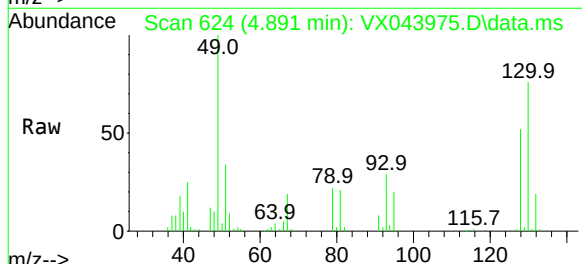
Manual Integrations  
APPROVED

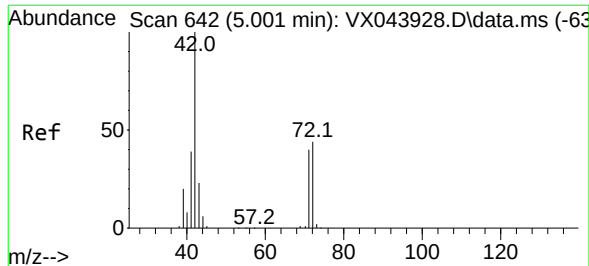
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#28  
Bromochloromethane  
Concen: 50.141 ug/l  
RT: 4.891 min Scan# 624  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 49 Resp: 63042  
Ion Ratio Lower Upper  
49 100  
129 2.2 0.0 4.0  
130 75.6 59.0 88.6





#29

Tetrahydrofuran

Concen: 229.176 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 175631

Ion Ratio Lower Upper

42 100

72 44.5 36.4 54.6

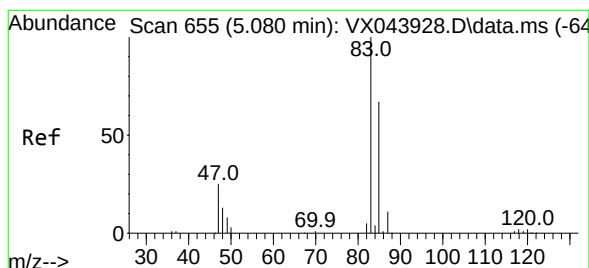
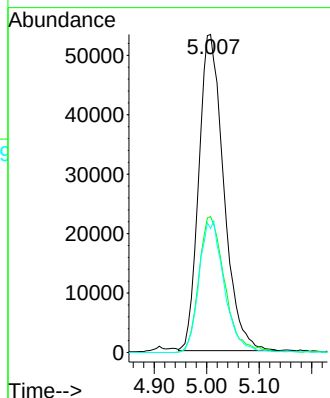
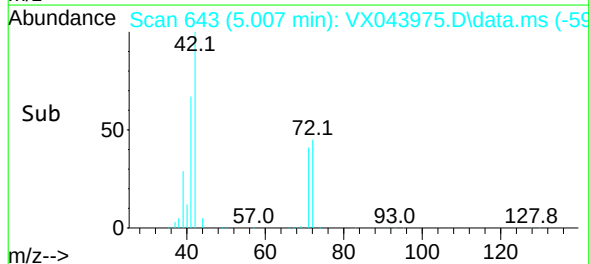
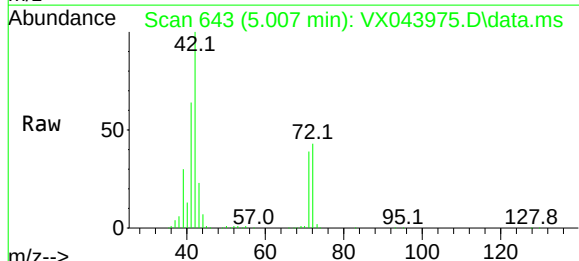
71 42.0 33.4 50.0

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 49.881 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043975.D

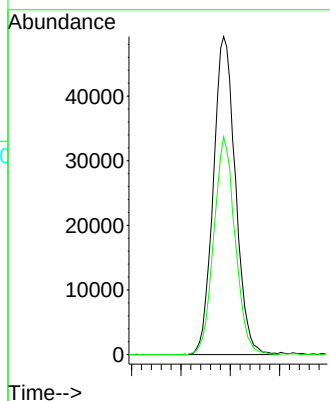
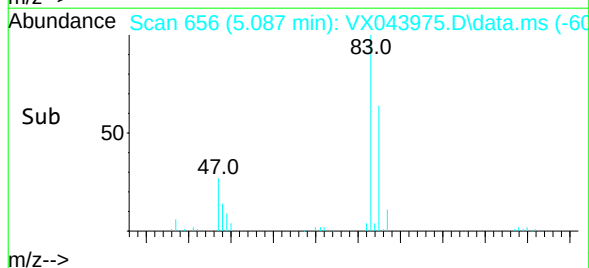
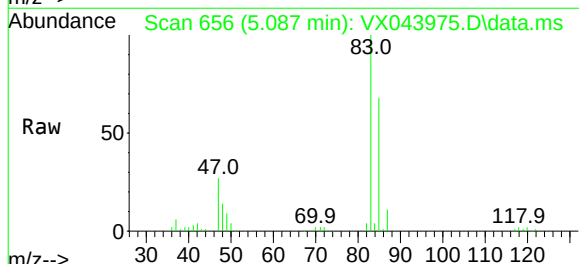
Acq: 22 Nov 2024 21:05

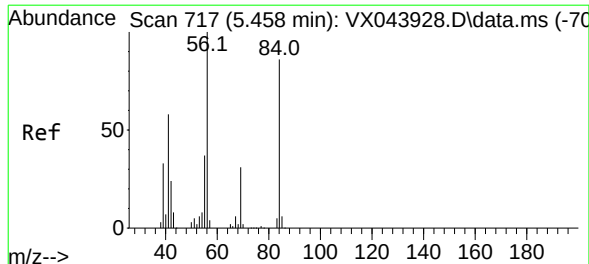
Tgt Ion: 83 Resp: 153240

Ion Ratio Lower Upper

83 100

85 68.5 53.5 80.3





#31

Cyclohexane

Concen: 46.218 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 108654

Ion Ratio Lower Upper

56 100

69 29.2 24.7 37.1

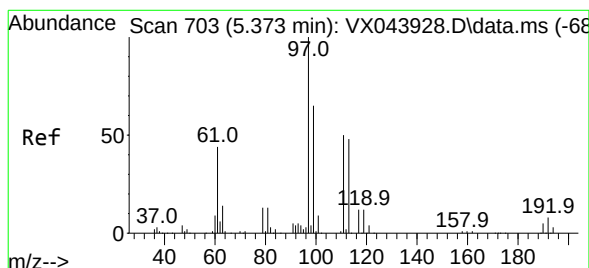
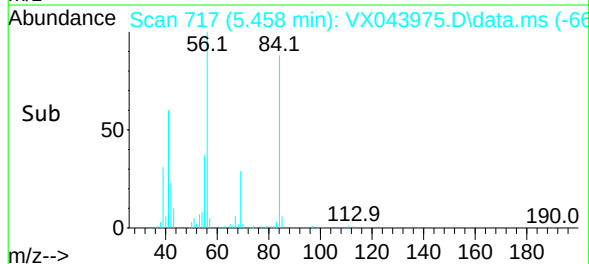
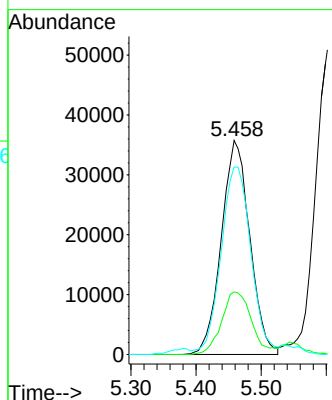
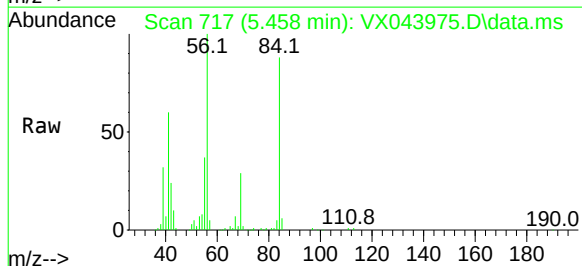
84 85.4 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 51.132 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

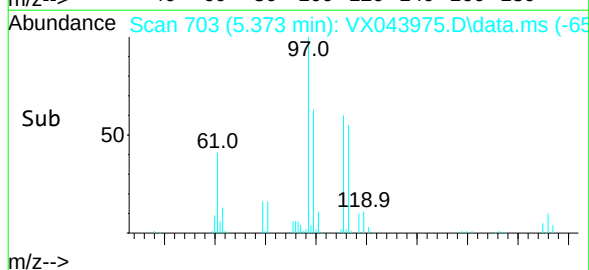
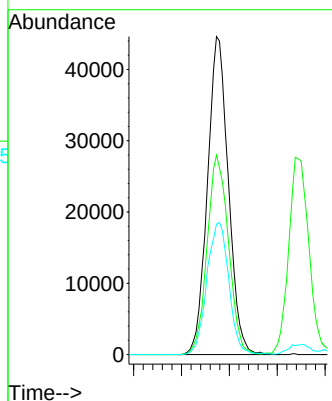
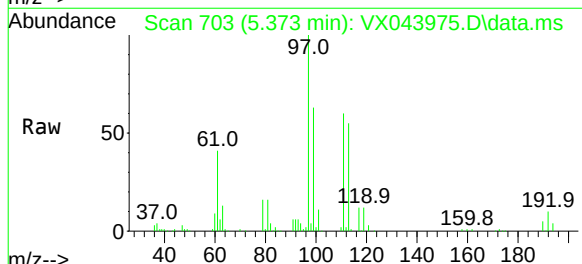
Tgt Ion: 97 Resp: 135463

Ion Ratio Lower Upper

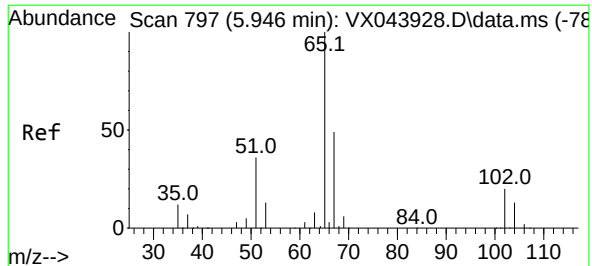
97 100

99 64.0 50.8 76.2

61 43.7 35.4 53.2







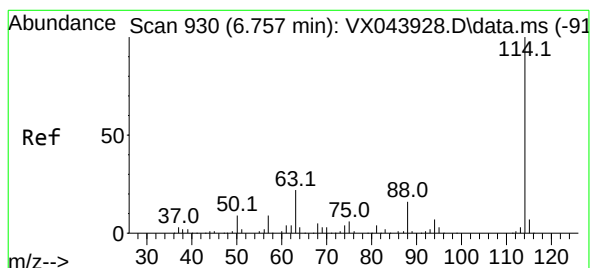
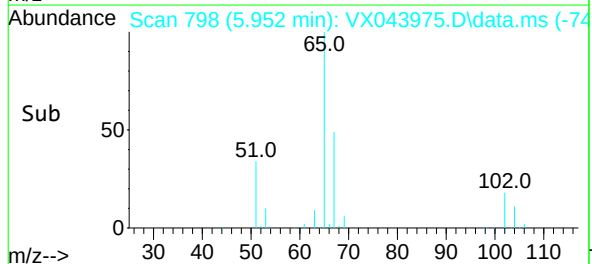
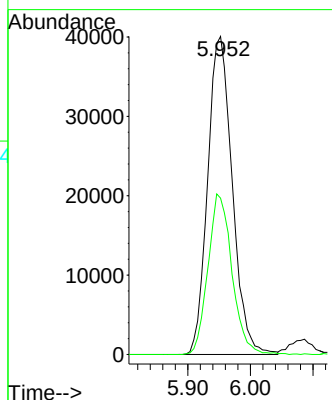
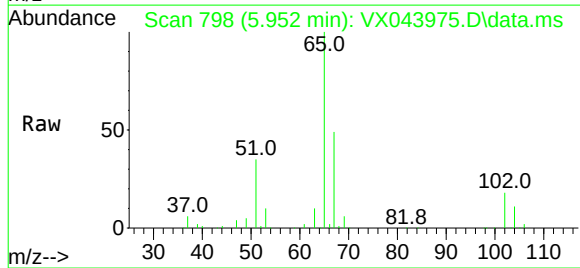
#33  
1,2-Dichloroethane-d4  
Concen: 51.858 ug/l  
RT: 5.952 min Scan# 79  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 65 Resp: 109385  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 100.8

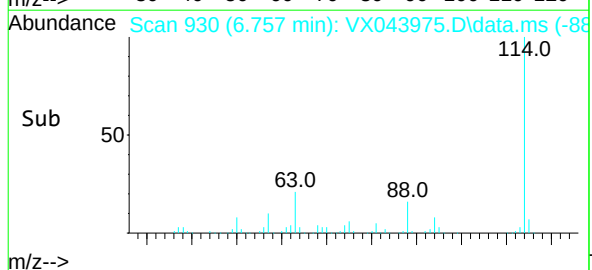
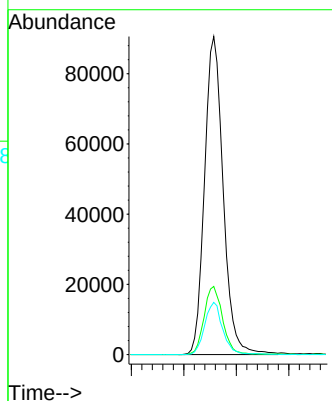
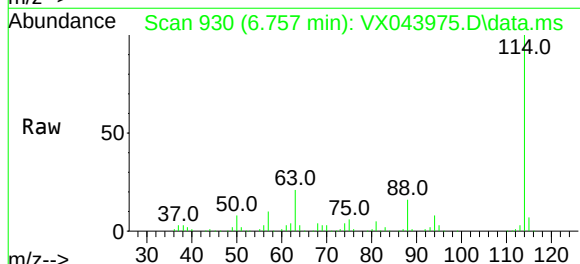
Manual Integrations  
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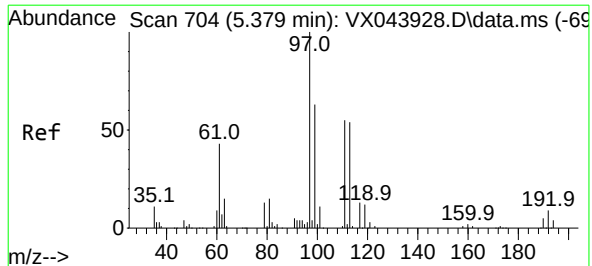
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

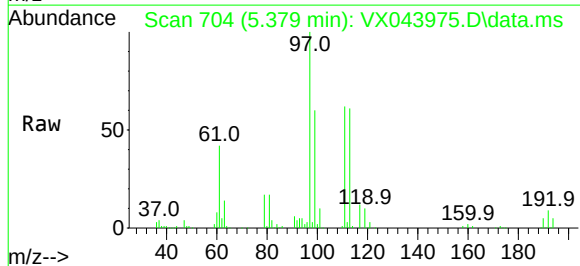
Tgt Ion:114 Resp: 223634  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 44.0  
88 16.4 0.0 32.4





#35  
Dibromofluoromethane  
Concen: 50.113 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

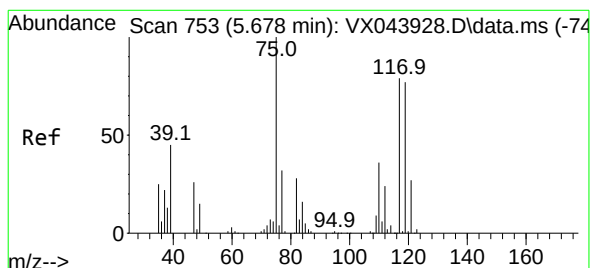
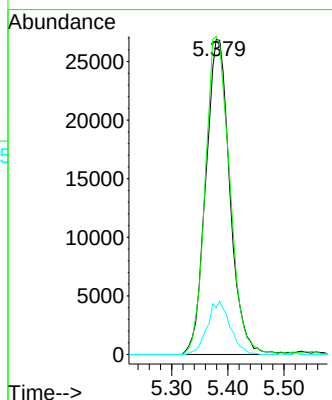
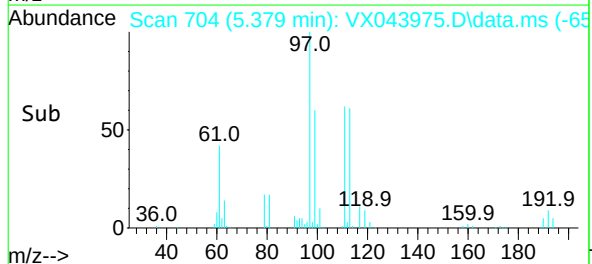
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



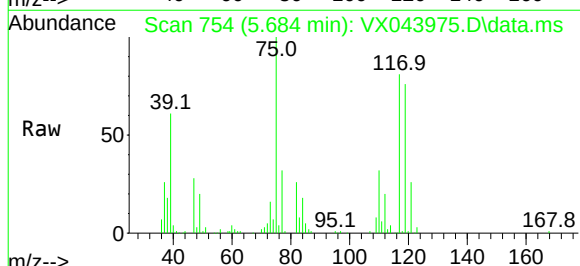
Tgt Ion: 113 Resp: 80080  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.0 121.4  
192 16.0 13.0 19.6

Manual Integrations  
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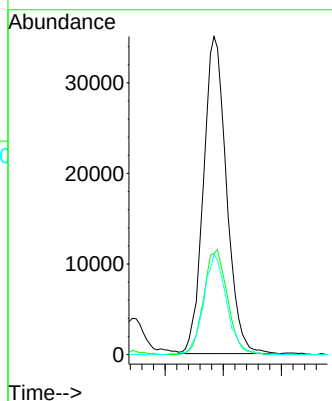
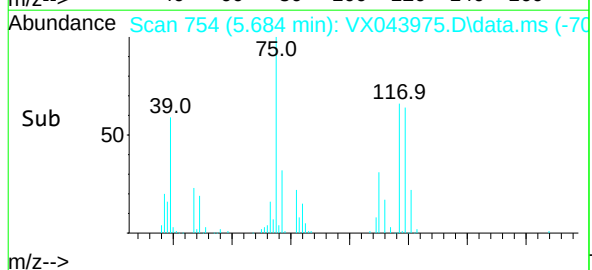
Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024

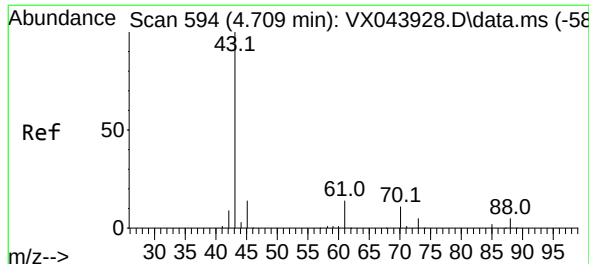


#36  
1,1-Dichloropropene  
Concen: 48.403 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05



Tgt Ion: 75 Resp: 96384  
Ion Ratio Lower Upper  
75 100  
110 34.2 17.4 52.2  
77 31.9 25.8 38.8





#37

Ethyl Acetate

Concen: 45.245 ug/l

RT: 4.715 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 111838

Ion Ratio Lower Upper

43 100

61 13.3 10.7 16.1

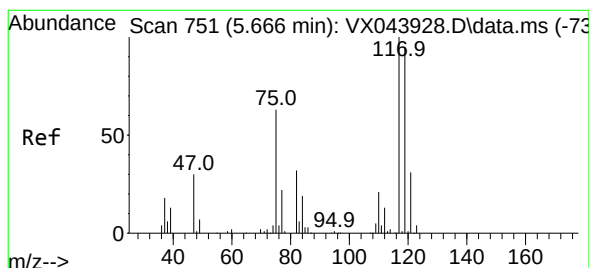
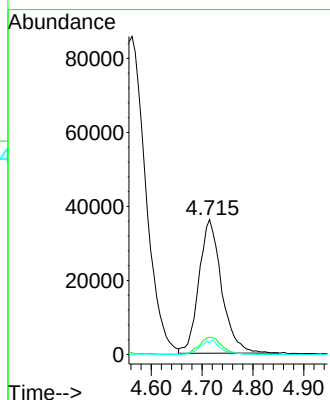
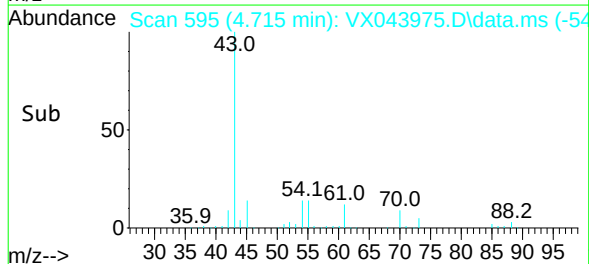
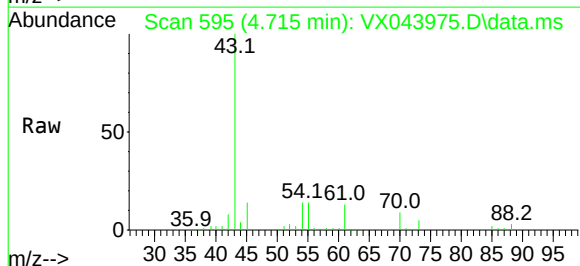
70 9.5 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 48.766 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

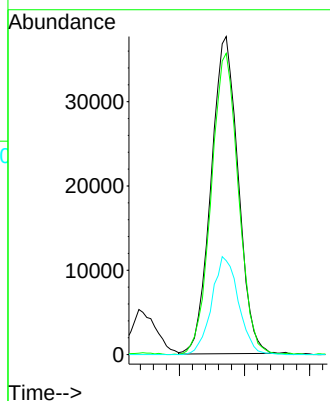
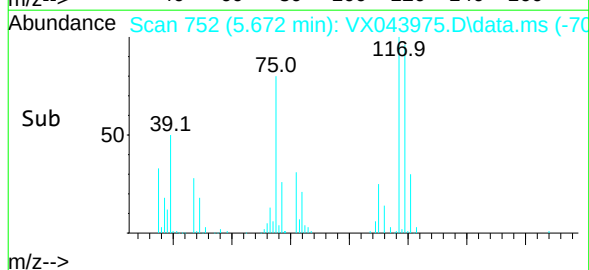
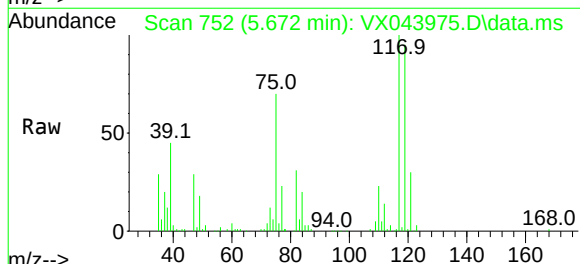
Tgt Ion:117 Resp: 109113

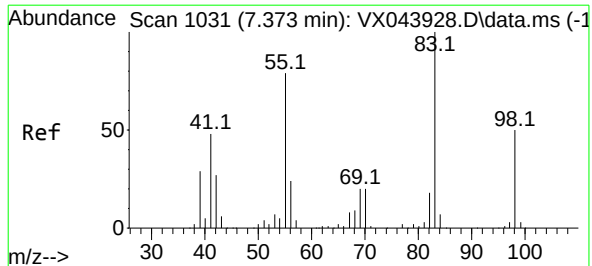
Ion Ratio Lower Upper

117 100

119 95.1 75.2 112.8

121 29.7 24.5 36.7





#39

Methylcyclohexane

Concen: 44.283 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 114556

Ion Ratio Lower Upper

83 100

55 74.9 63.1 94.7

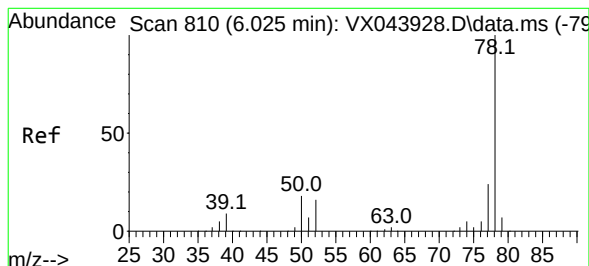
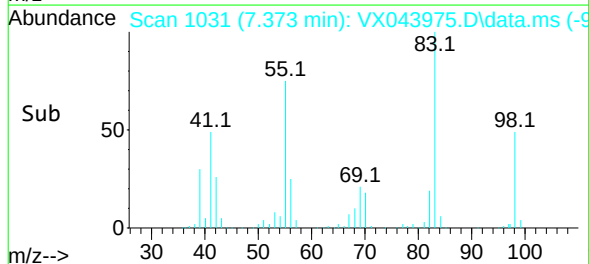
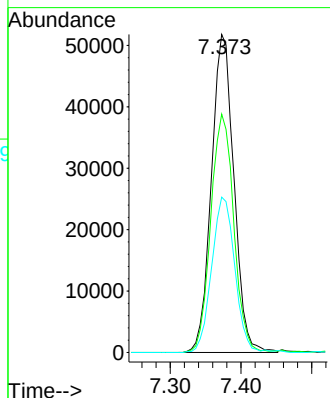
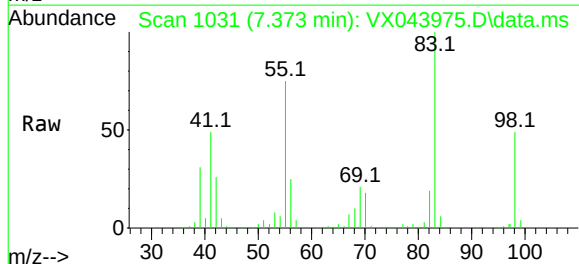
98 48.8 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 47.732 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043975.D

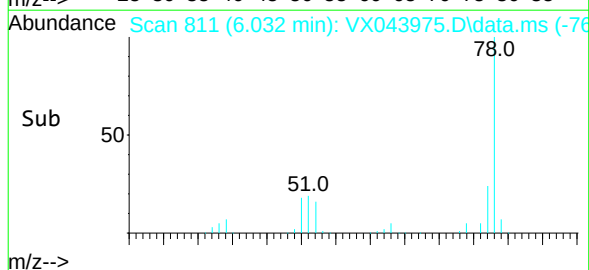
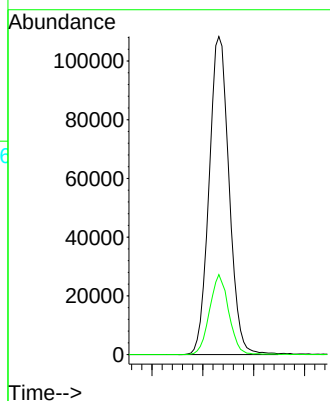
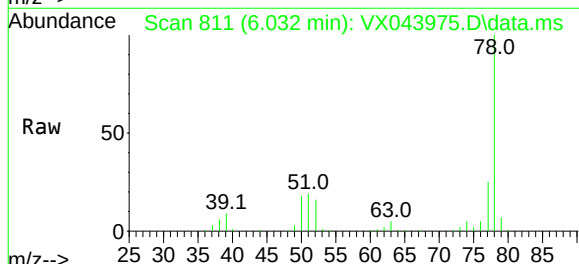
Acq: 22 Nov 2024 21:05

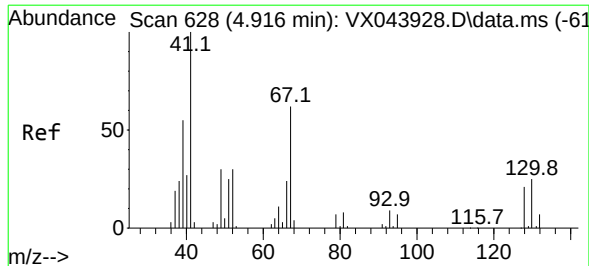
Tgt Ion: 78 Resp: 296066

Ion Ratio Lower Upper

78 100

77 25.1 19.2 28.8





#41

Methacrylonitrile

Concen: 46.538 ug/l

RT: 4.928 min Scan# 631

Delta R.T. 0.012 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 58876

Ion Ratio Lower Upper

41 100

39 57.9 41.7 62.5

67 72.3 55.8 83.8

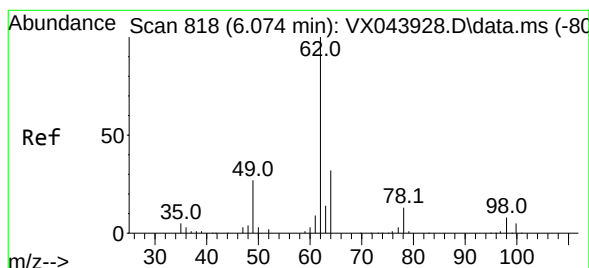
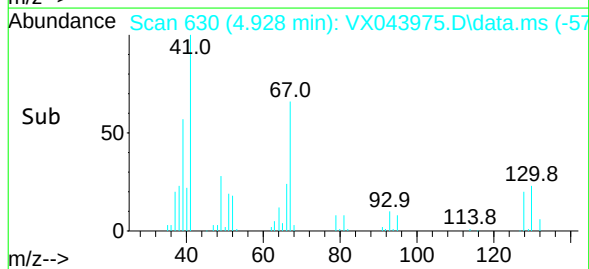
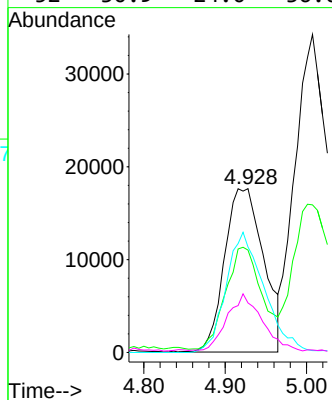
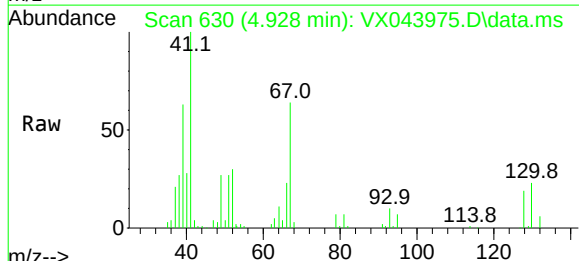
52 30.9 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 48.527 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX043975.D

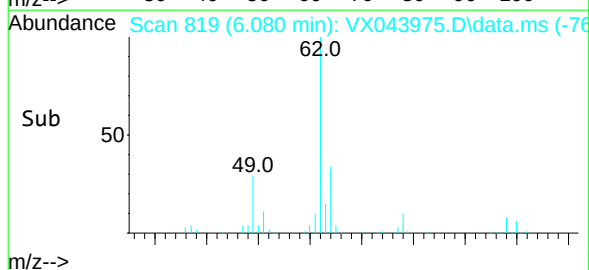
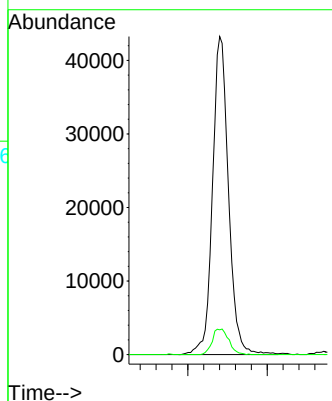
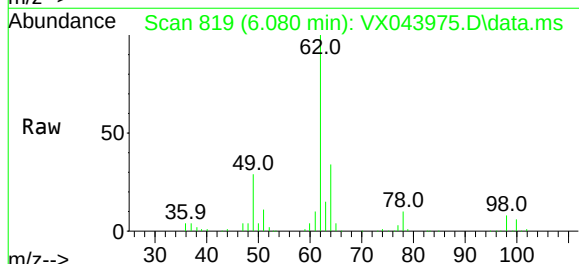
Acq: 22 Nov 2024 21:05

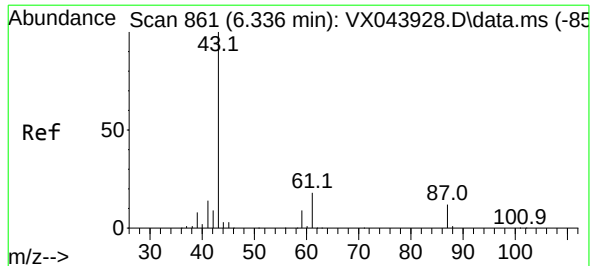
Tgt Ion: 62 Resp: 120886

Ion Ratio Lower Upper

62 100

98 8.3 0.0 16.4





#43

Isopropyl Acetate

Concen: 48.002 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 188827

Ion Ratio Lower Upper

43 100

61 18.1 14.5 21.7

87 12.7 10.2 15.2

Instrument :

MSVOA\_X

ClientSampleId :

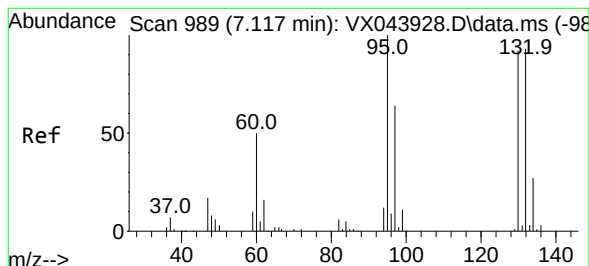
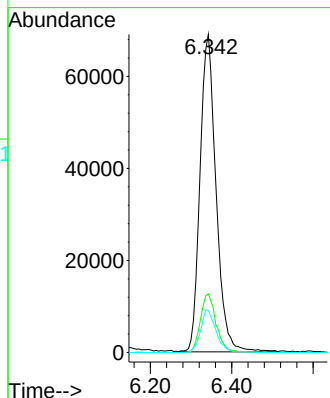
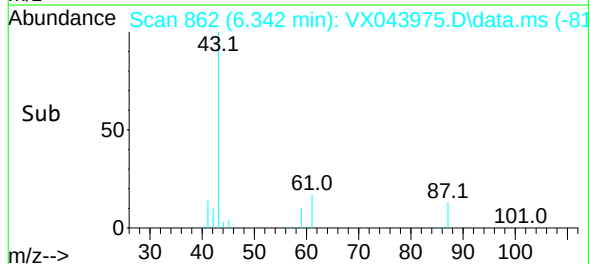
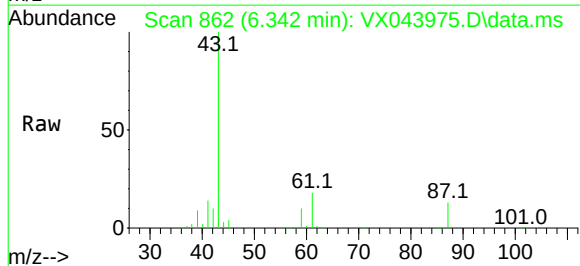
VSTDCCC050EC

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 40.354 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043975.D

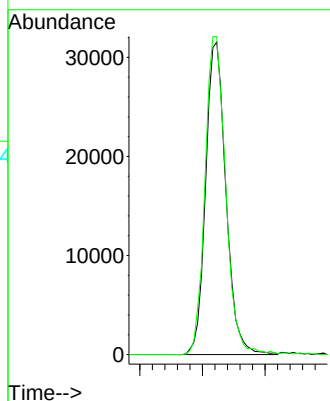
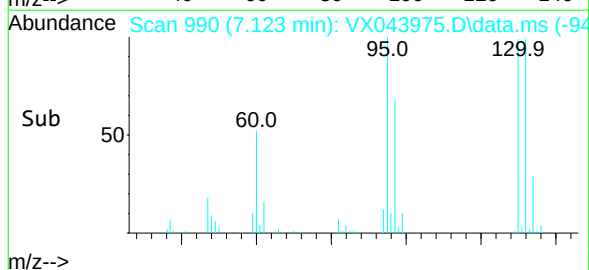
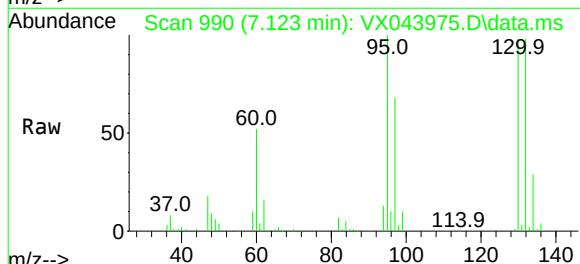
Acq: 22 Nov 2024 21:05

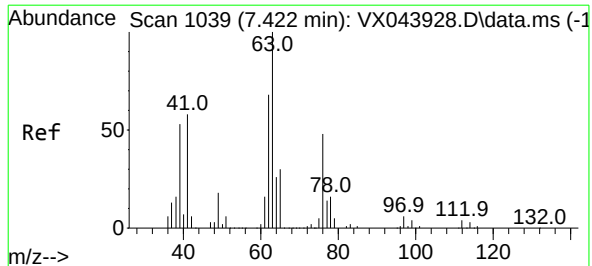
Tgt Ion:130 Resp: 70858

Ion Ratio Lower Upper

130 100

95 101.8 0.0 217.8





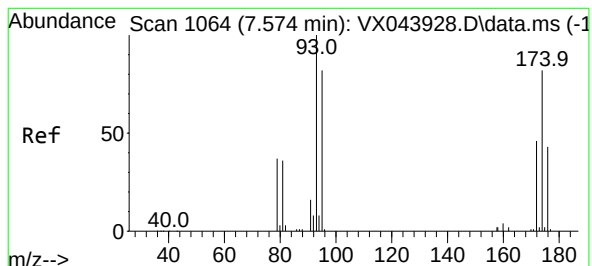
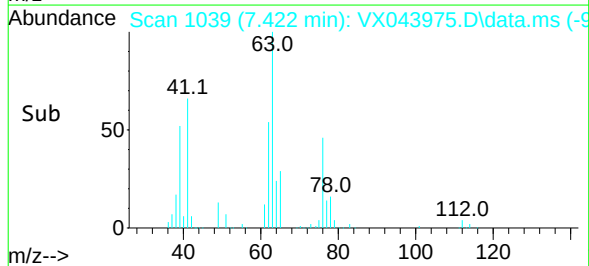
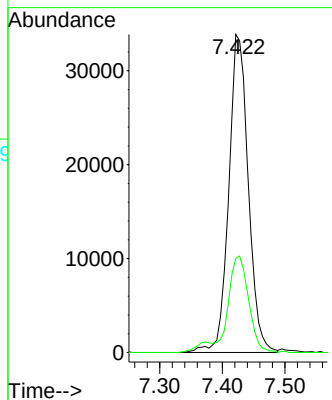
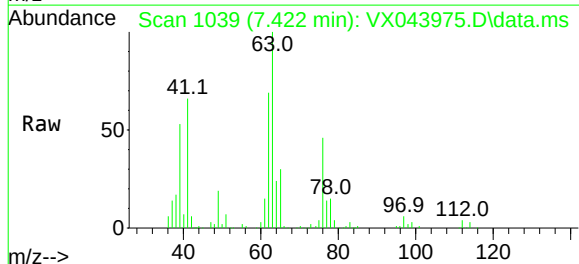
#45  
1,2-Dichloropropane  
Concen: 48.373 ug/l  
RT: 7.422 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 63 Resp: 73488  
Ion Ratio Lower Upper  
63 100  
65 29.6 23.8 35.6

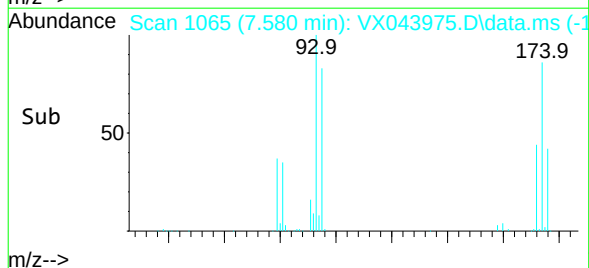
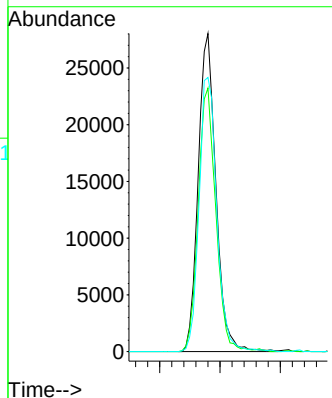
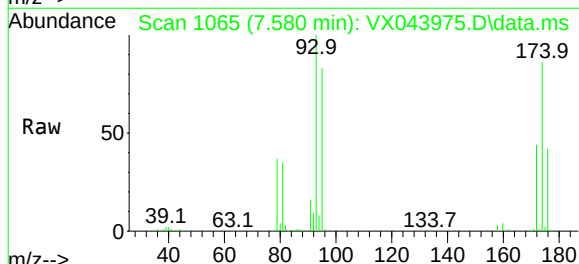
Manual Integrations  
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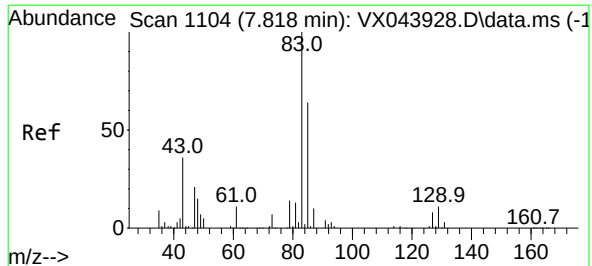
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#46  
Dibromomethane  
Concen: 47.608 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 93 Resp: 57212  
Ion Ratio Lower Upper  
93 100  
95 82.3 66.2 99.4  
174 86.7 69.6 104.4





#47

Bromodichloromethane

Concen: 49.233 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 106111

Ion Ratio Lower Upper

83 100

85 64.6 51.4 77.0

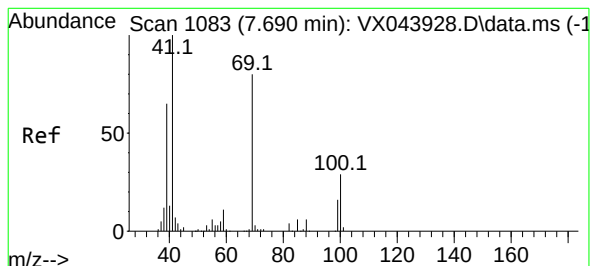
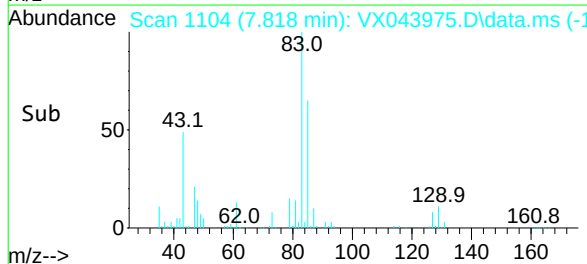
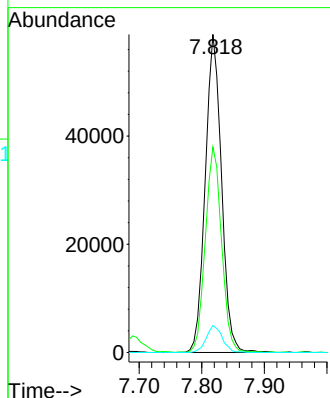
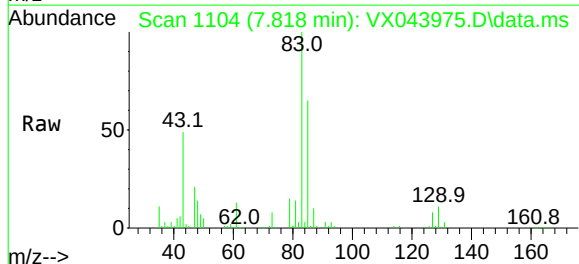
127 8.5 6.6 10.0

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 45.987 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

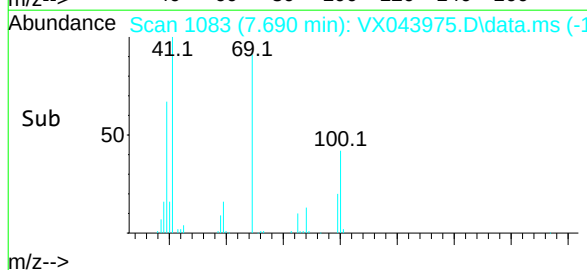
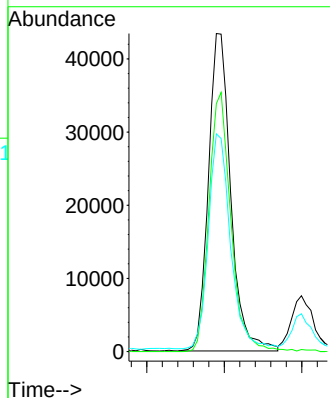
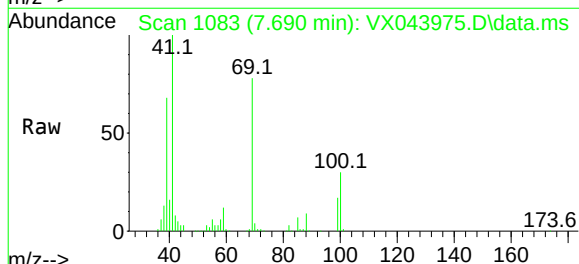
Tgt Ion: 41 Resp: 86803

Ion Ratio Lower Upper

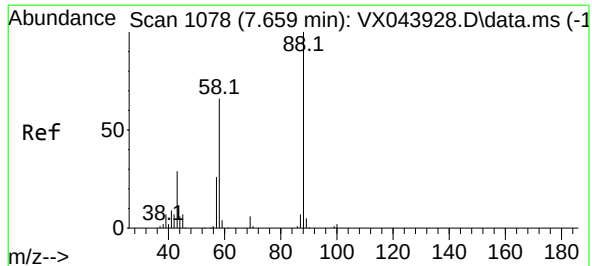
41 100

69 80.4 64.6 97.0

39 67.2 53.3 79.9







#49

1,4-Dioxane

Concen: 708.970 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX043975.D

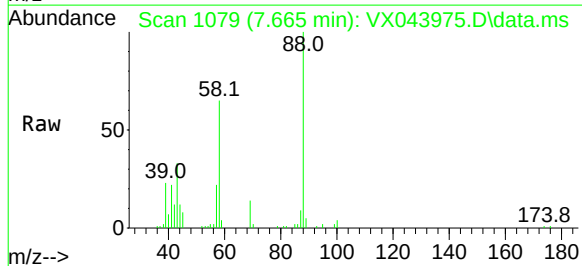
Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 88 Resp: 23838

Ion Ratio Lower Upper

88 100

43 43.2 26.8 40.2#

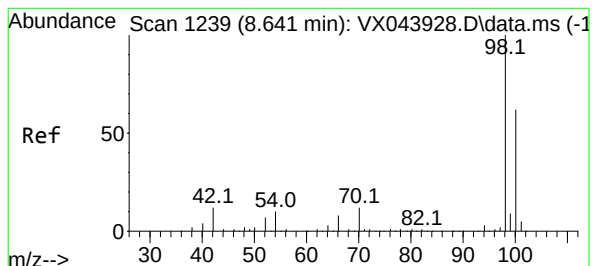
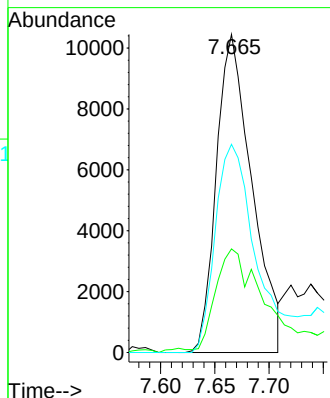
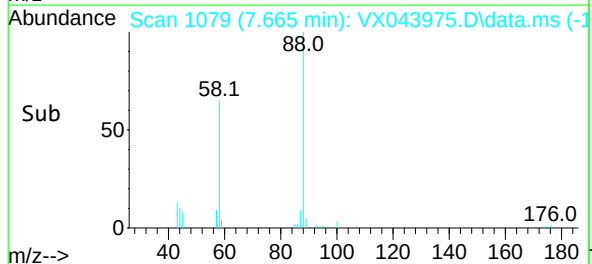
58 76.3 45.4 68.2#

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

Concen: 49.385 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043975.D

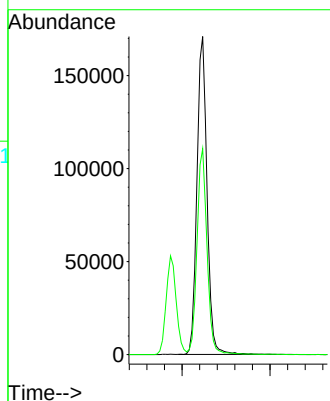
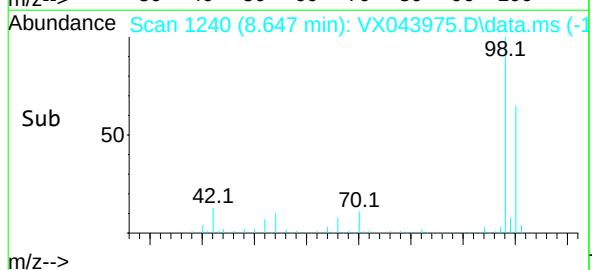
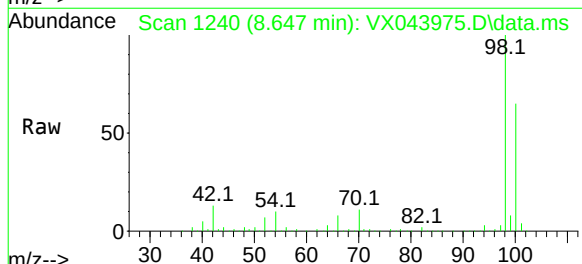
Acq: 22 Nov 2024 21:05

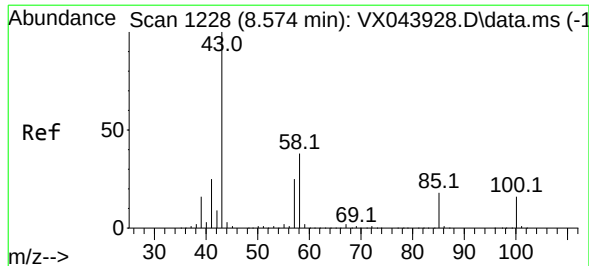
Tgt Ion: 98 Resp: 272032

Ion Ratio Lower Upper

98 100

100 64.4 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 237.028 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 569005

Ion Ratio Lower Upper

43 100

58 36.7 30.0 45.0

Instrument :

MSVOA\_X

ClientSampleId :

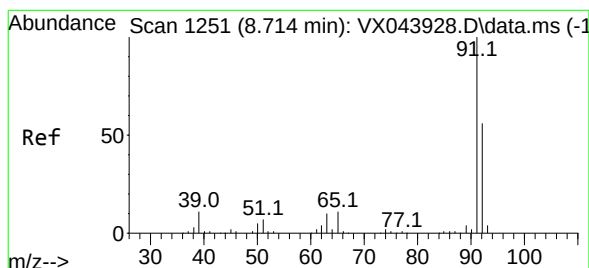
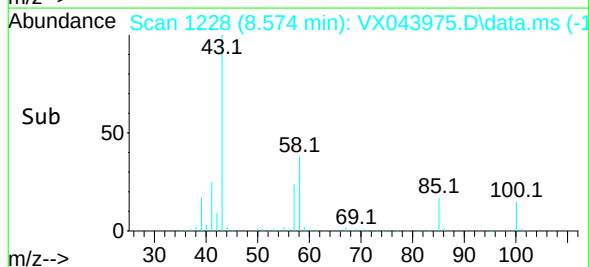
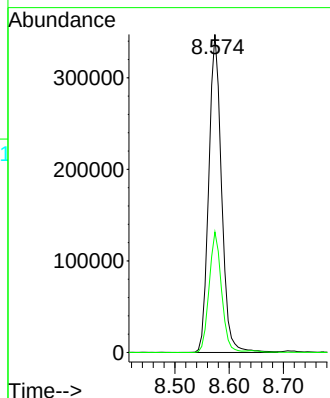
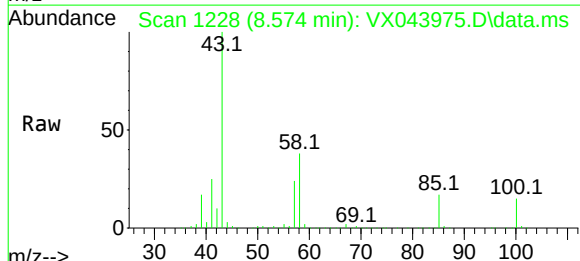
VSTDCCC050EC

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#52

Toluene

Concen: 48.314 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043975.D

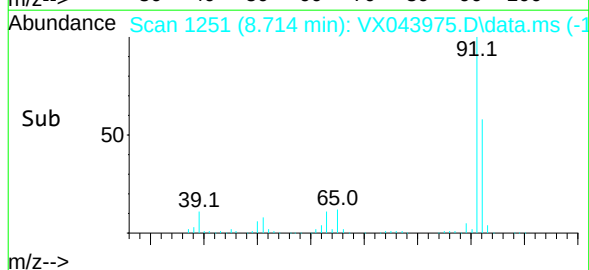
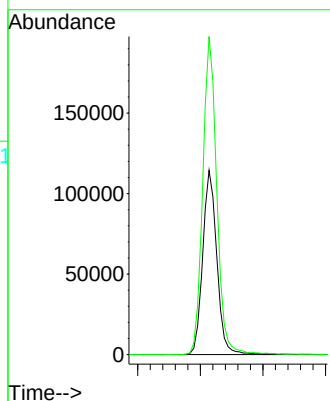
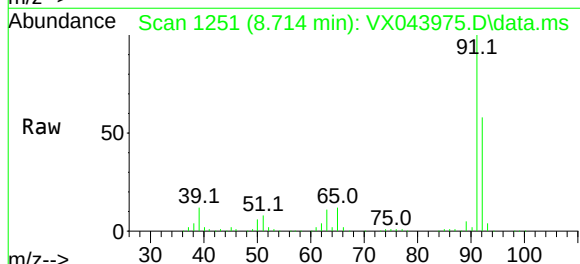
Acq: 22 Nov 2024 21:05

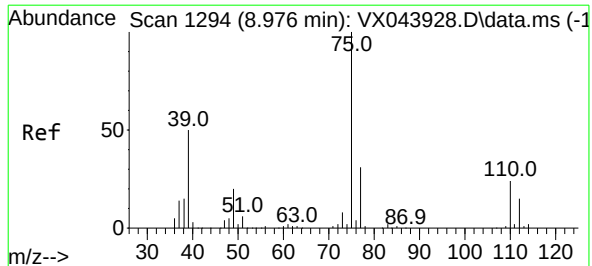
Tgt Ion: 92 Resp: 179366

Ion Ratio Lower Upper

92 100

91 171.8 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 48.867 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 107403

Ion Ratio Lower Upper

75 100

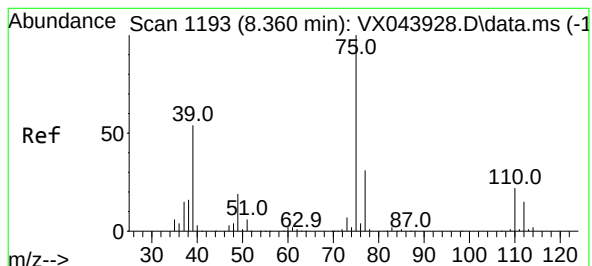
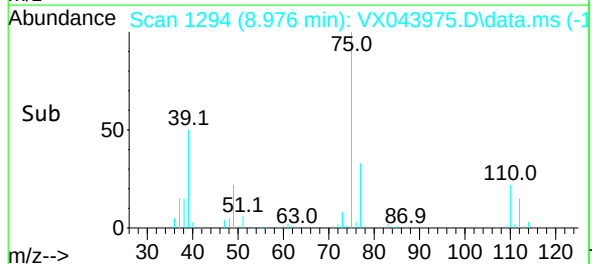
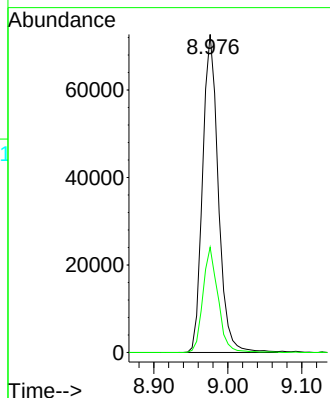
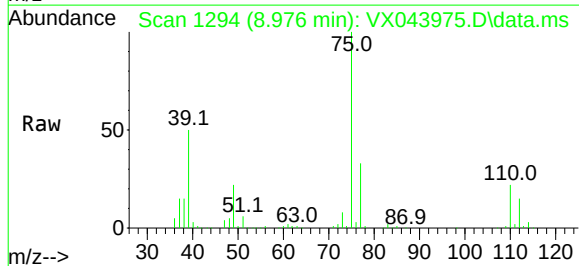
77 33.1 25.1 37.7

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 48.756 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

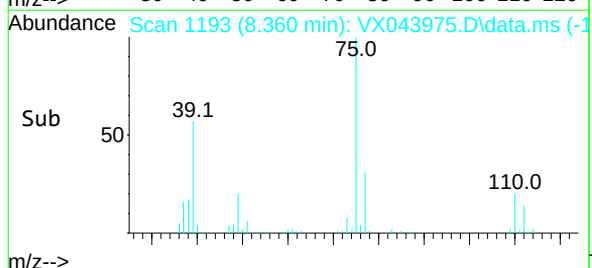
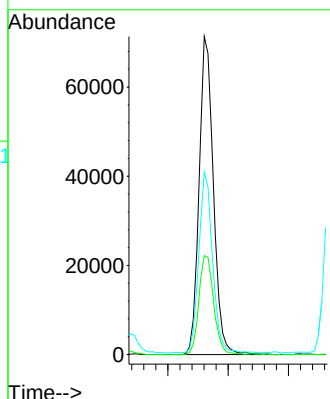
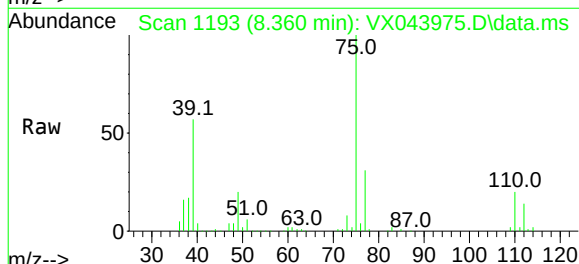
Tgt Ion: 75 Resp: 117473

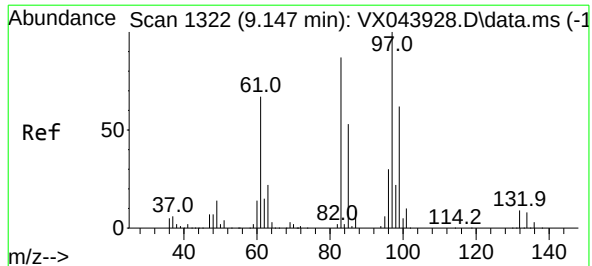
Ion Ratio Lower Upper

75 100

77 31.1 25.2 37.8

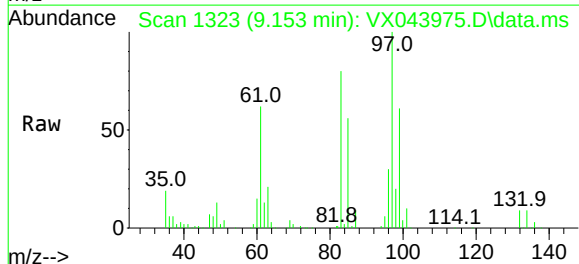
39 56.8 43.1 64.7





#55  
1,1,2-Trichloroethane  
Concen: 47.244 ug/l  
RT: 9.153 min Scan# 1322  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

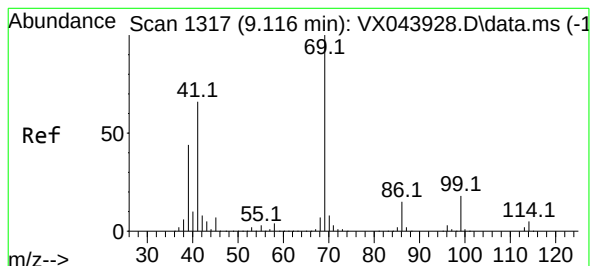
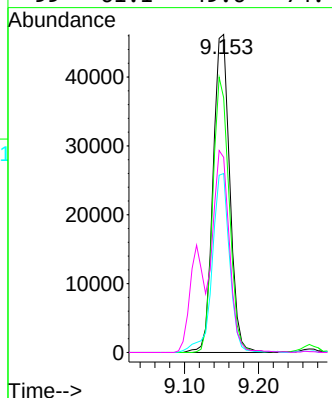
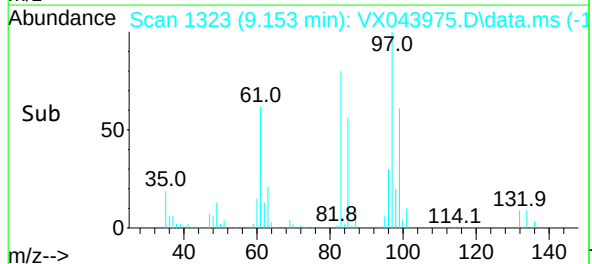
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 97 Resp: 72401  
Ion Ratio Lower Upper  
97 100  
83 80.1 69.4 104.0  
85 56.1 42.3 63.5  
99 61.1 49.6 74.4

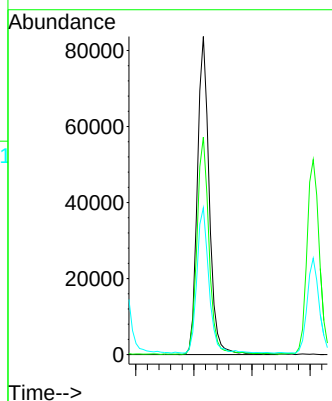
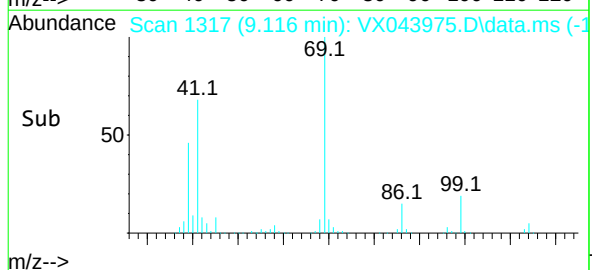
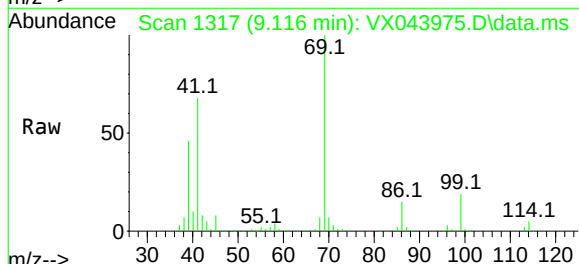
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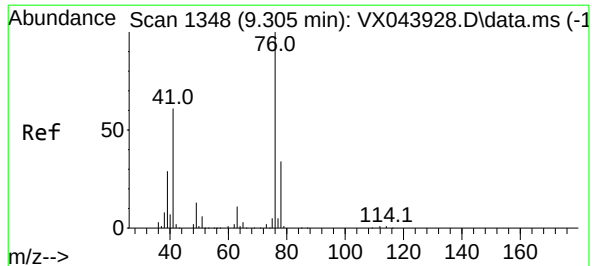
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#56  
Ethyl methacrylate  
Concen: 49.720 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

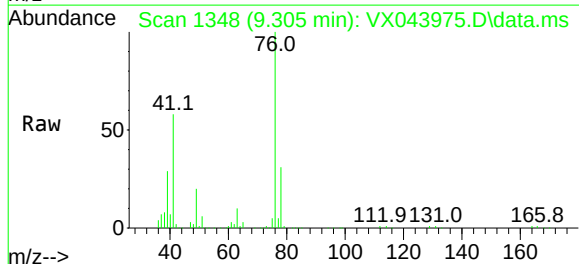
Tgt Ion: 69 Resp: 118682  
Ion Ratio Lower Upper  
69 100  
41 68.8 55.8 83.8  
39 45.4 36.7 55.1





#57  
1,3-Dichloropropane  
Concen: 48.020 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

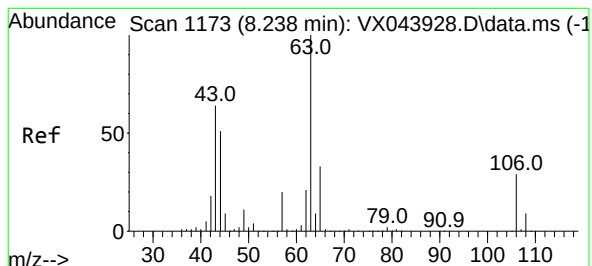
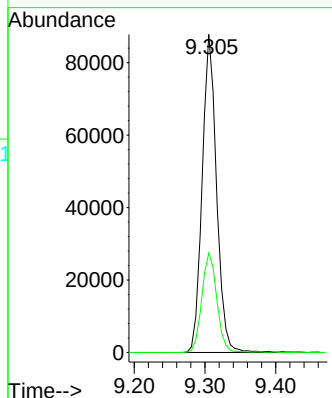
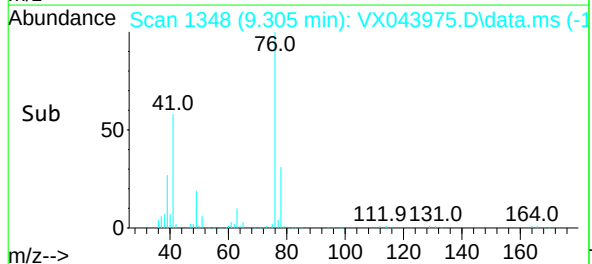
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 76 Resp: 123967  
Ion Ratio Lower Upper  
76 100  
78 32.7 26.0 39.0

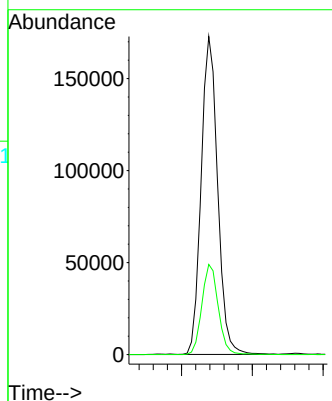
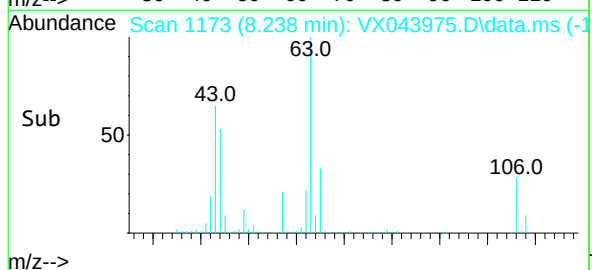
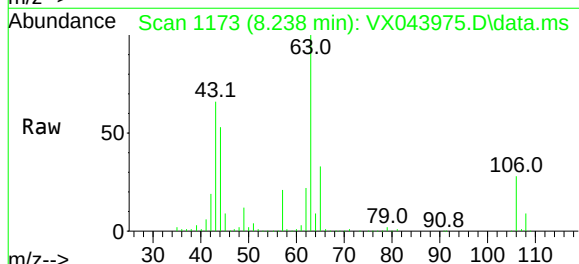
Manual Integrations  
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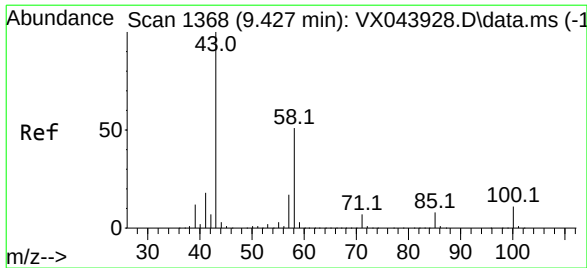
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#58  
2-Chloroethyl Vinyl ether  
Concen: 213.469 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 279741  
Ion Ratio Lower Upper  
63 100  
106 28.2 23.0 34.6





#59

2-Hexanone

Concen: 233.298 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 420948

Ion Ratio Lower Upper

43 100

58 51.7 25.9 77.6

Instrument :

MSVOA\_X

ClientSampleId :

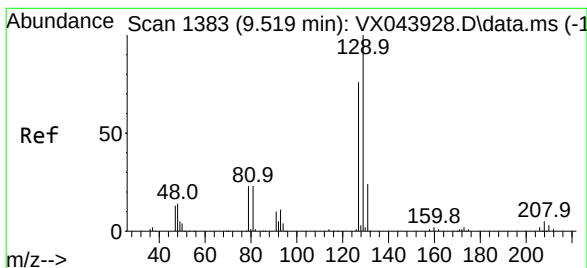
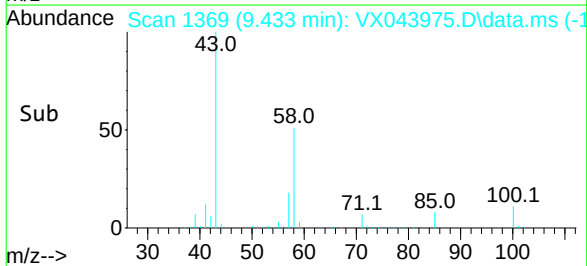
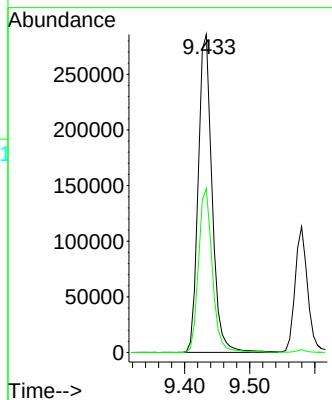
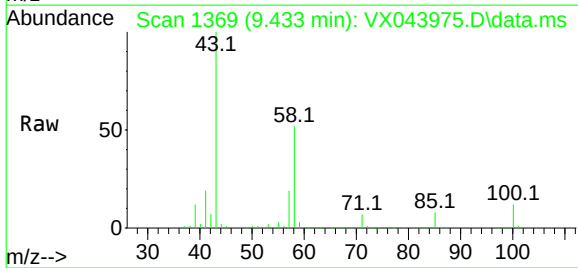
VSTDCCC050EC

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 47.547 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043975.D

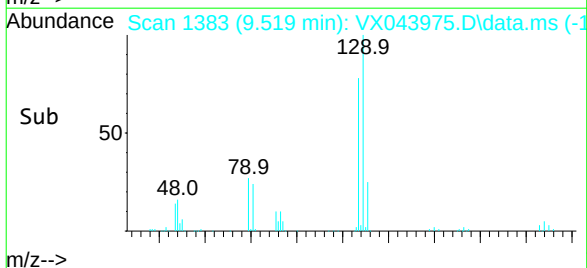
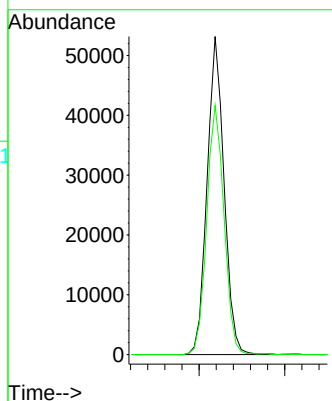
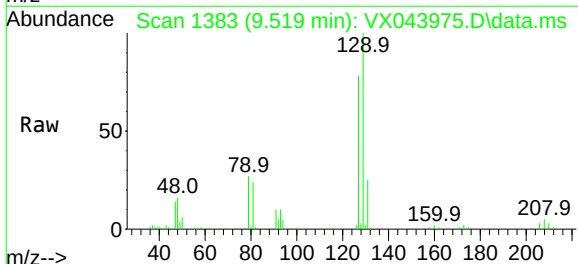
Acq: 22 Nov 2024 21:05

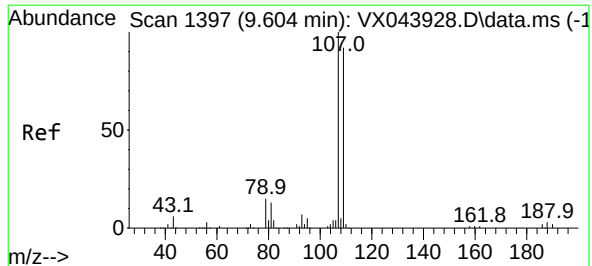
Tgt Ion:129 Resp: 73109

Ion Ratio Lower Upper

129 100

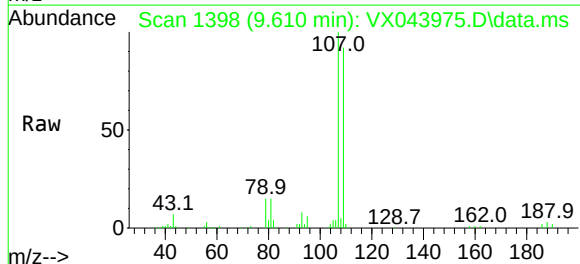
127 79.9 38.2 114.6





#61  
1,2-Dibromoethane  
Concen: 49.118 ug/l  
RT: 9.610 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

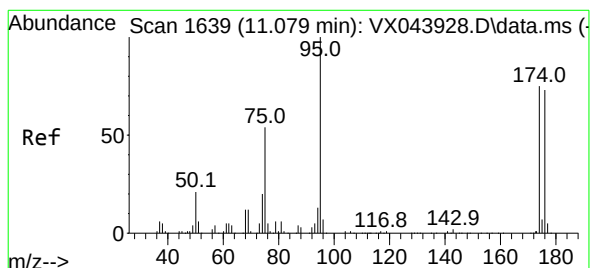
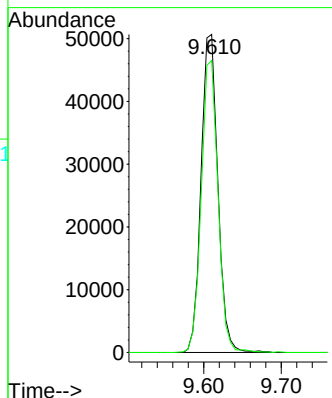
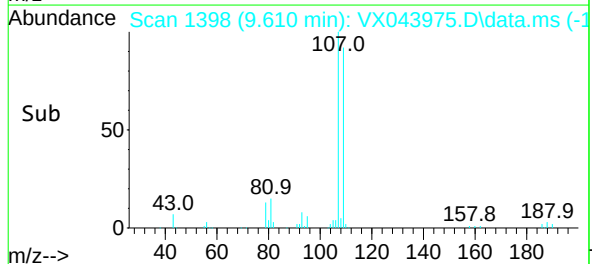
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 107 Resp: 76113  
Ion Ratio Lower Upper  
107 100  
109 91.6 75.2 112.8

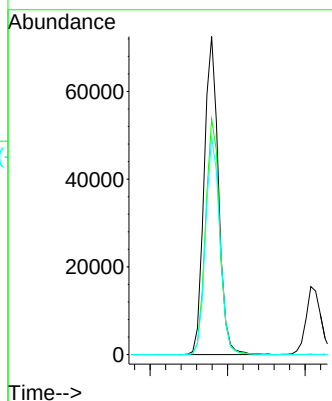
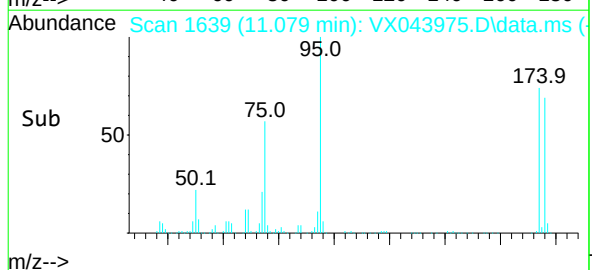
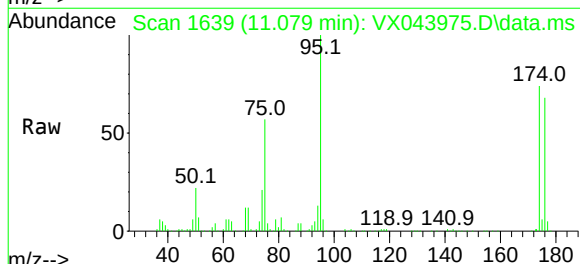
Manual Integrations  
APPROVED

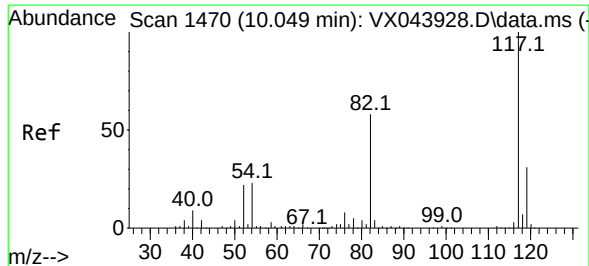
Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024



#62  
4-Bromofluorobenzene  
Concen: 49.694 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 95 Resp: 93160  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 150.4  
176 68.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

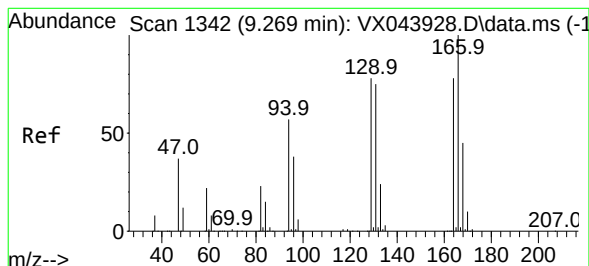
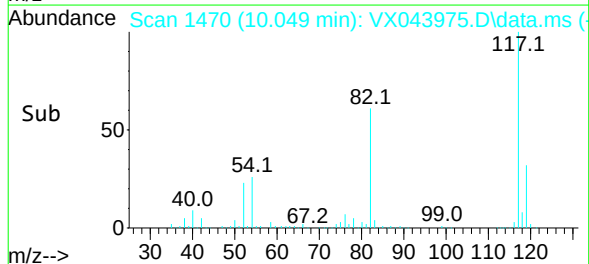
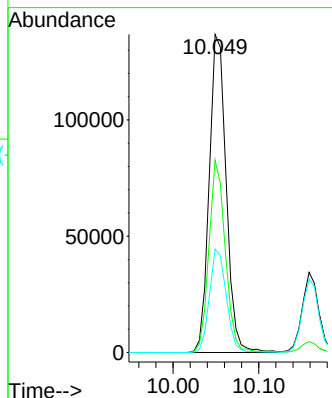
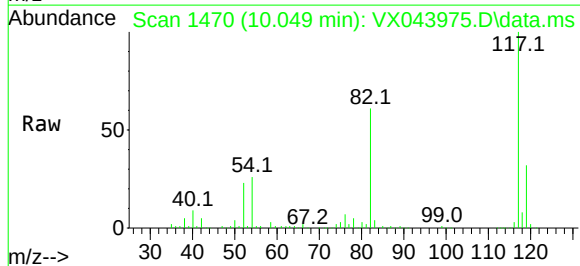
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 188299 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 60.5  | 46.4  | 69.6   |
| 119      | 32.5  | 24.6  | 37.0   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 46.307 ug/l

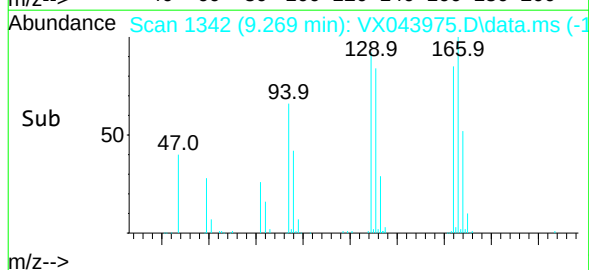
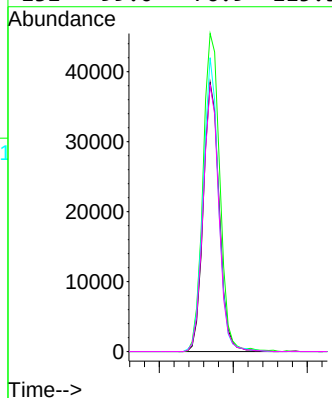
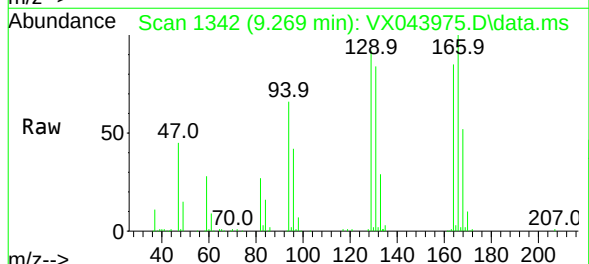
RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

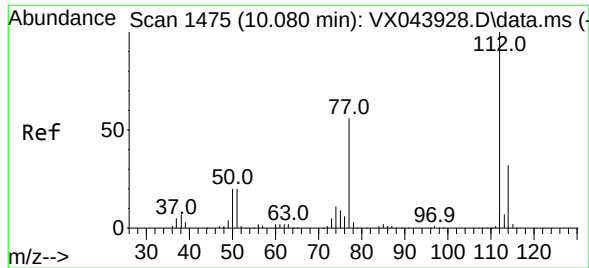
Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 57495 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 118.2 | 102.1 | 153.1 |
| 129      | 109.2 | 79.6  | 119.4 |
| 131      | 99.0  | 76.9  | 115.3 |







#65

Chlorobenzene

Concen: 47.680 ug/l

RT: 10.080 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 197185

Ion Ratio Lower Upper

112 100

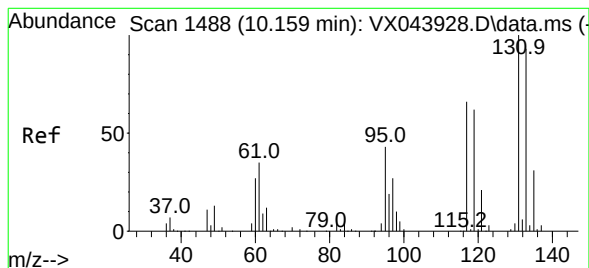
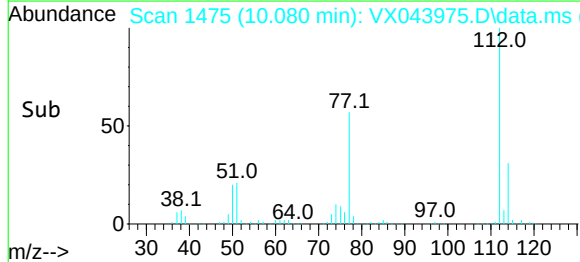
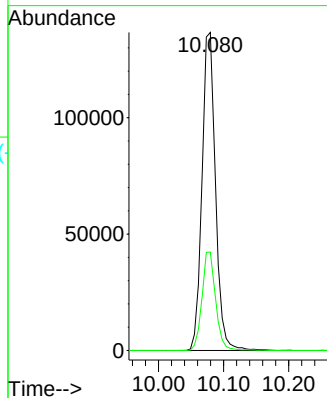
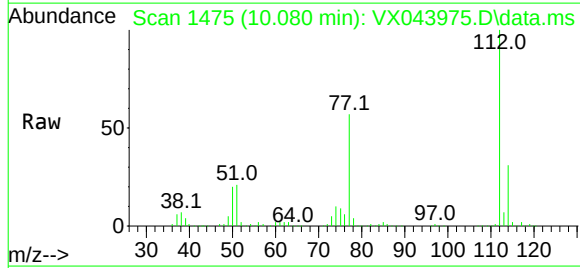
114 31.0 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 49.398 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

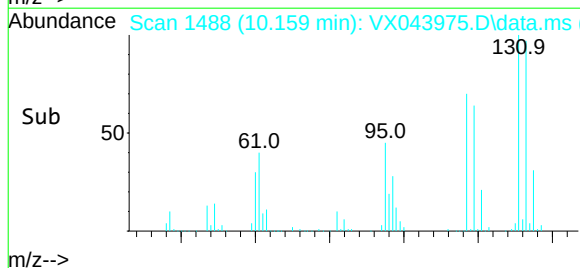
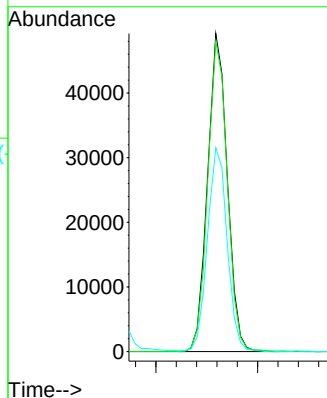
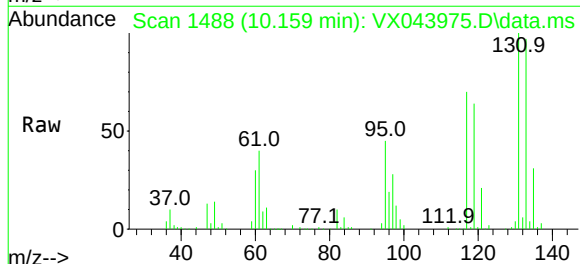
Tgt Ion:131 Resp: 66254

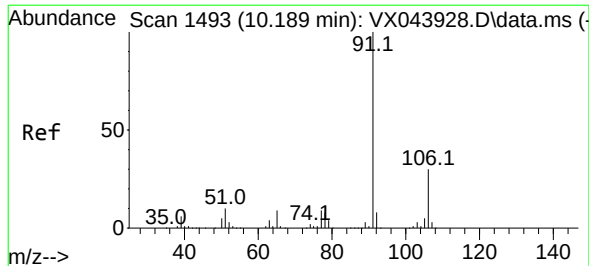
Ion Ratio Lower Upper

131 100

133 96.9 48.2 144.6

119 64.2 31.5 94.5





#67

Ethyl Benzene

Concen: 48.699 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 341272

Ion Ratio Lower Upper

91 100

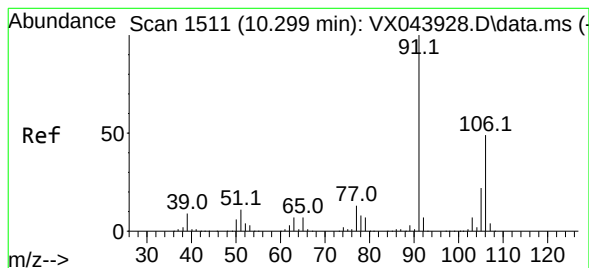
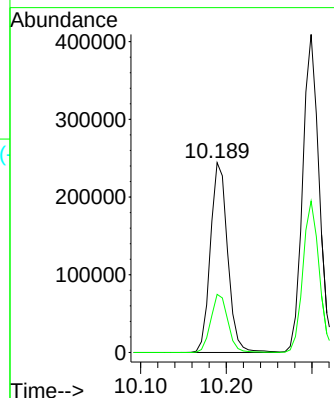
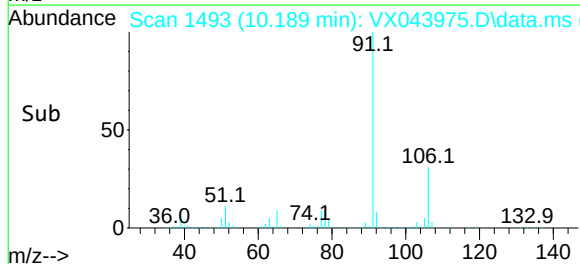
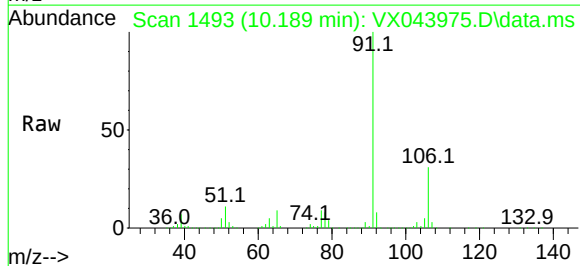
106 30.6 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 99.287 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043975.D

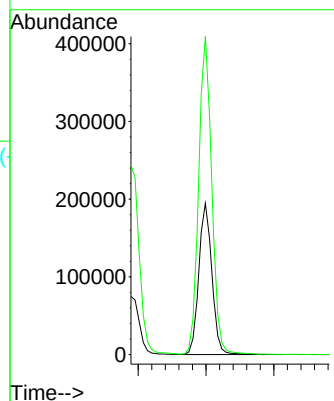
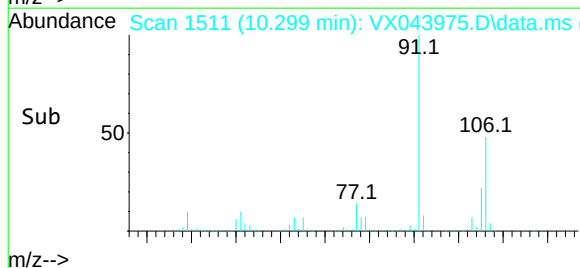
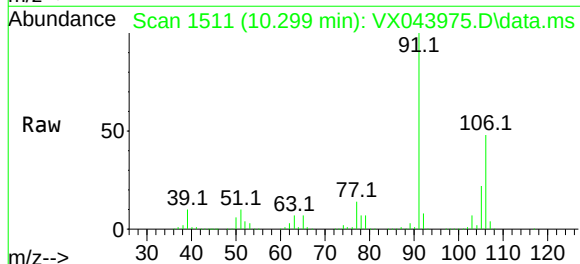
Acq: 22 Nov 2024 21:05

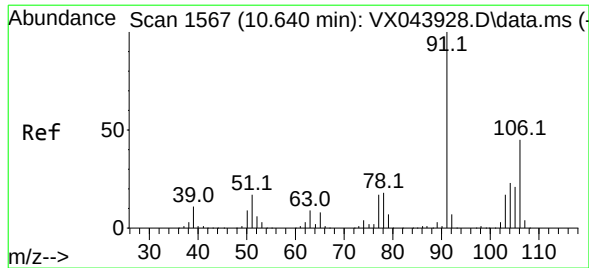
Tgt Ion:106 Resp: 259471

Ion Ratio Lower Upper

106 100

91 211.5 168.1 252.1





#69

o-Xylene

Concen: 49.924 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 127383

Ion Ratio Lower Upper

106 100

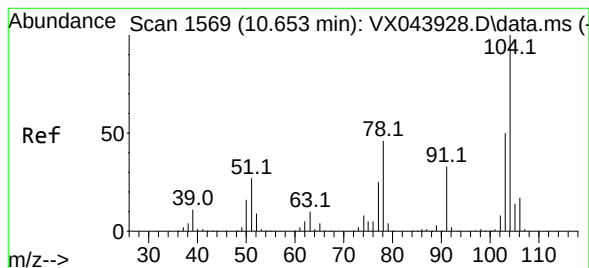
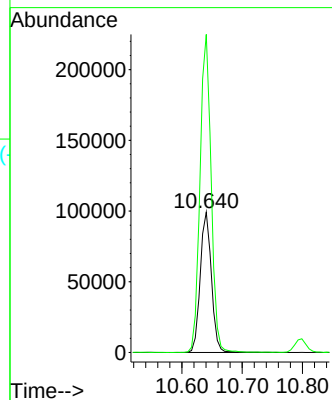
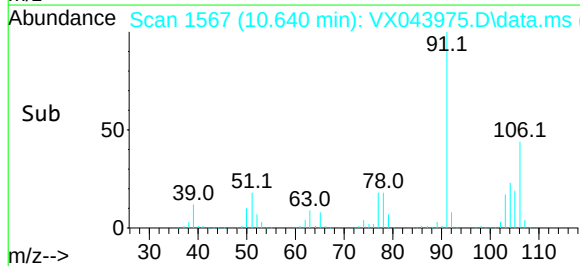
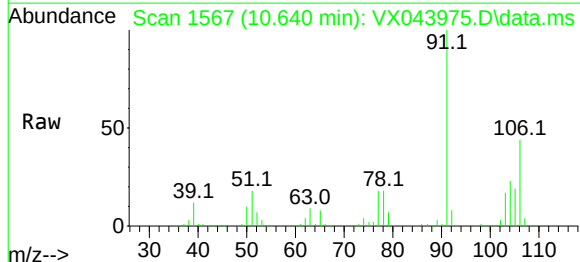
91 226.5 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 51.134 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

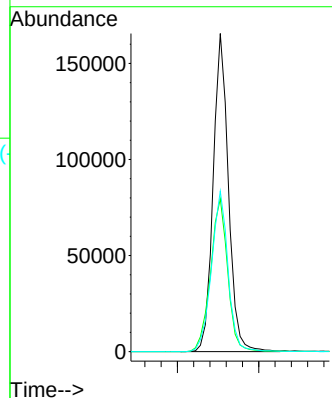
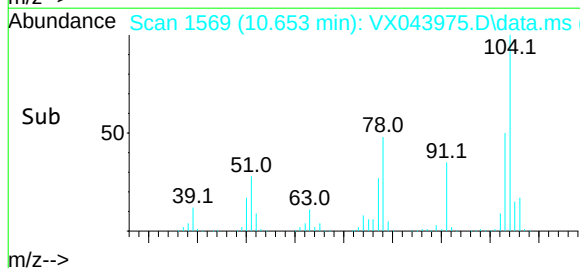
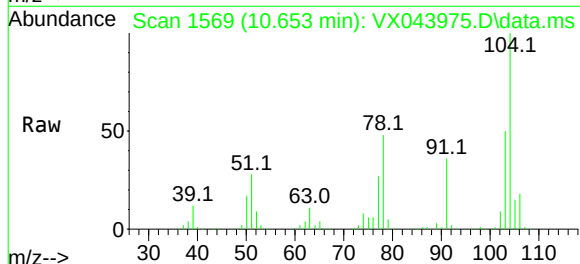
Tgt Ion:104 Resp: 215795

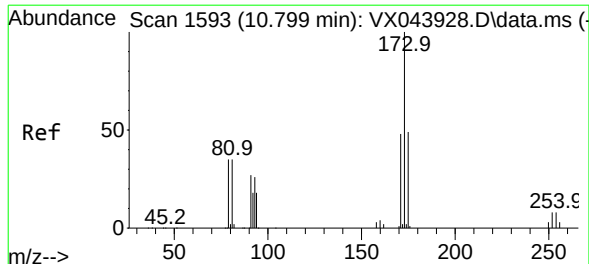
Ion Ratio Lower Upper

104 100

78 54.0 42.2 63.2

103 54.8 44.7 67.1





#71

Bromoform

Concen: 44.579 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

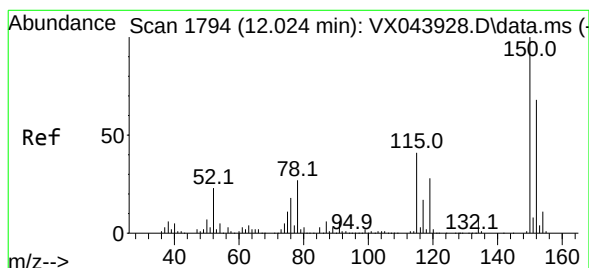
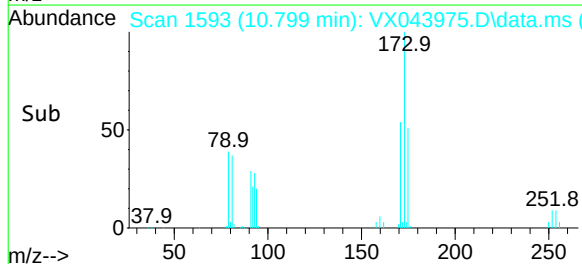
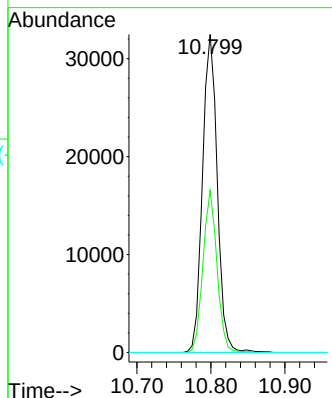
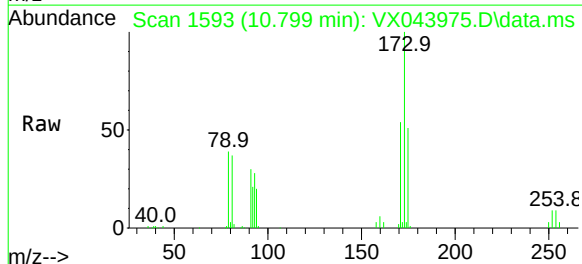
VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 45026 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 48.5  | 24.1  | 72.2  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

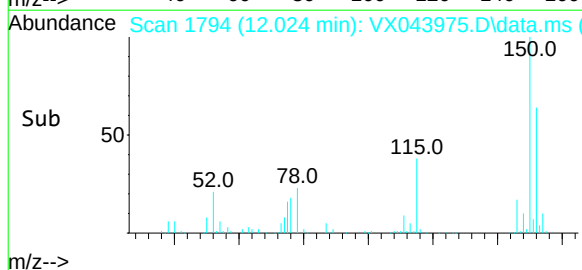
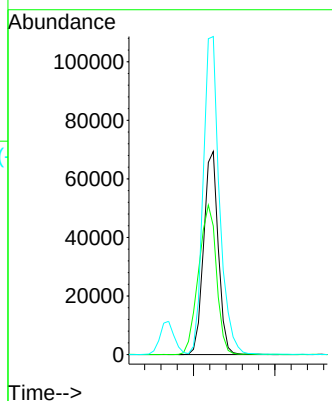
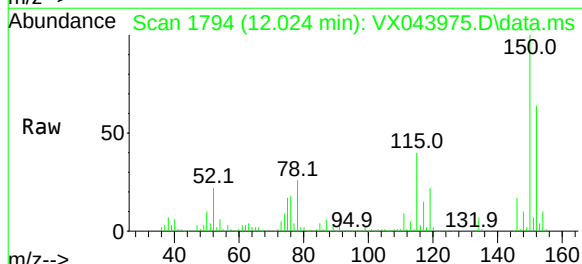
RT: 12.024 min Scan# 1794

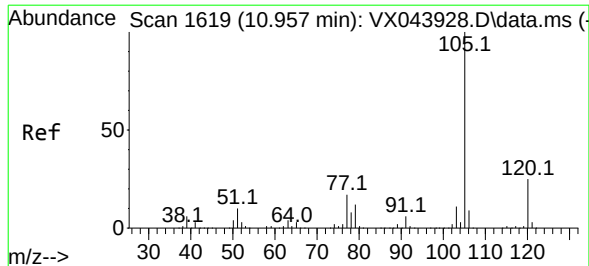
Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 86425 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 90.5  | 45.4  | 136.2 |
| 150       | 174.4 | 0.0   | 353.0 |





#73

Isopropylbenzene

Concen: 49.244 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 327150

Ion Ratio Lower Upper

105 100

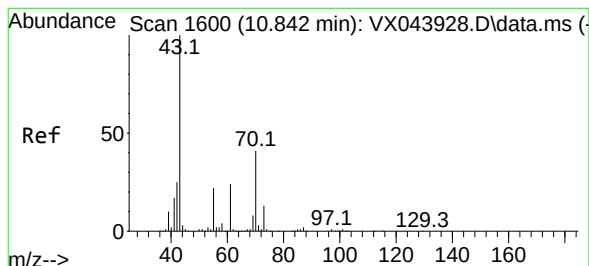
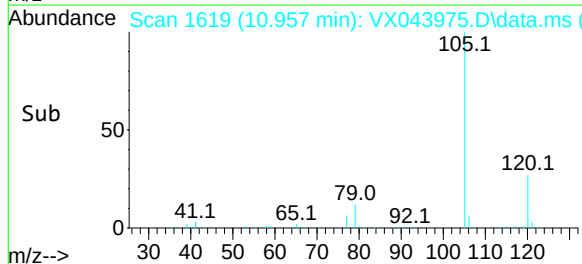
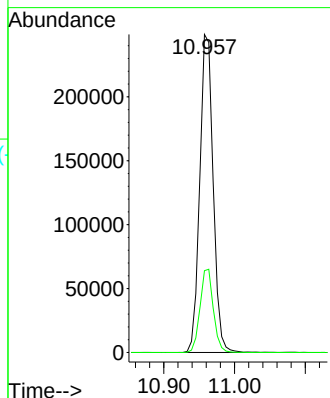
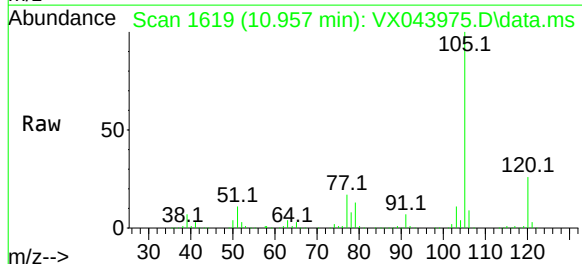
120 26.0 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 51.633 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 158903

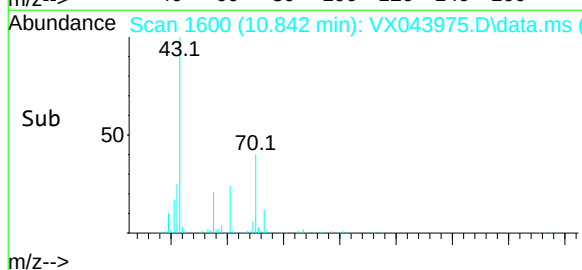
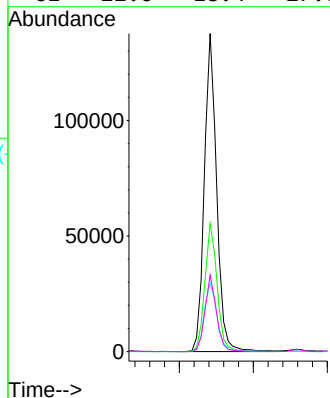
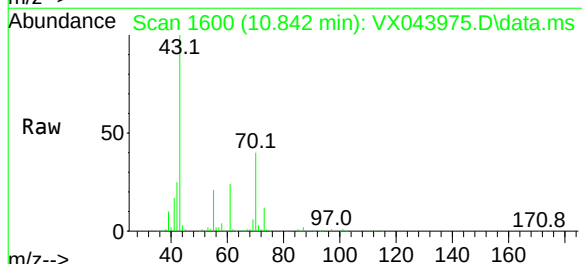
Ion Ratio Lower Upper

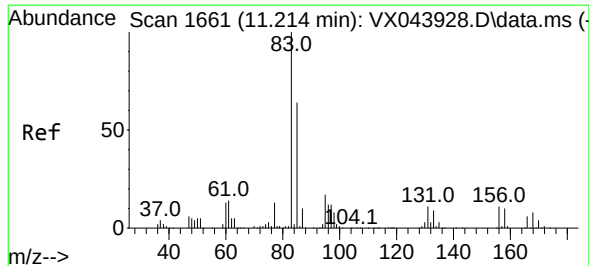
43 100

70 40.4 32.2 48.2

55 22.5 18.1 27.1

61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.312 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

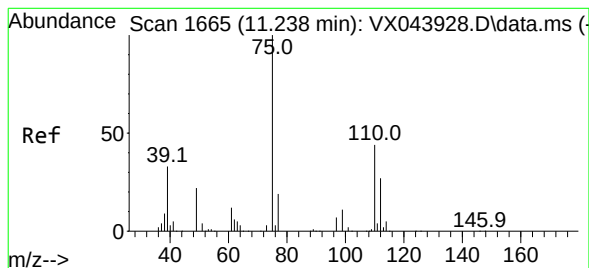
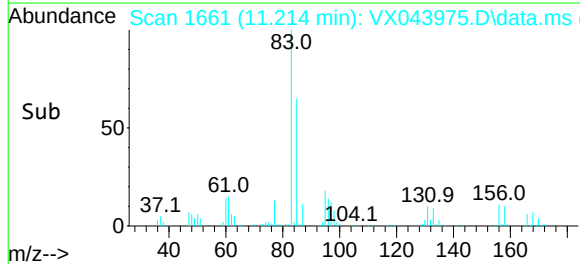
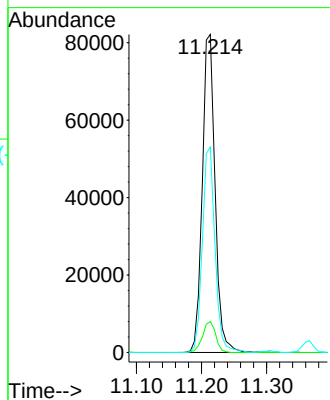
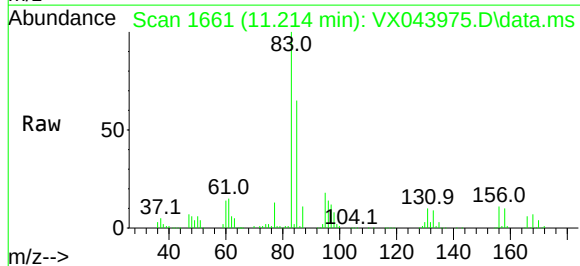
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 112173 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 131      | 10.0  | 5.1   | 15.2   |
| 85       | 63.9  | 32.2  | 96.6   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 49.896 ug/l m

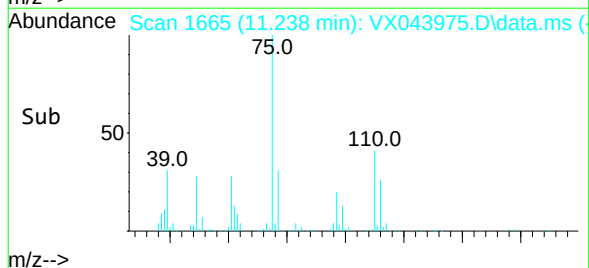
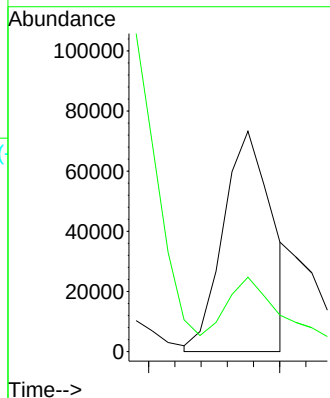
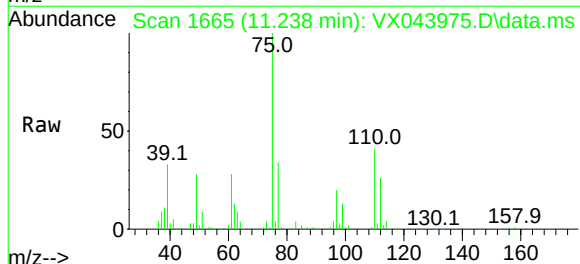
RT: 11.238 min Scan# 1665

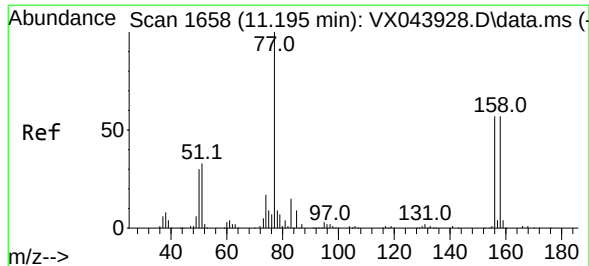
Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 94567 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 41.9  | 21.8  | 65.3  |





#77

Bromobenzene

Concen: 47.990 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043975.D

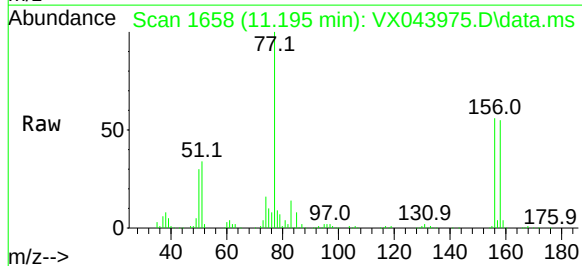
Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion:156 Resp: 76053

Ion Ratio Lower Upper

156 100

77 170.8 83.4 250.1

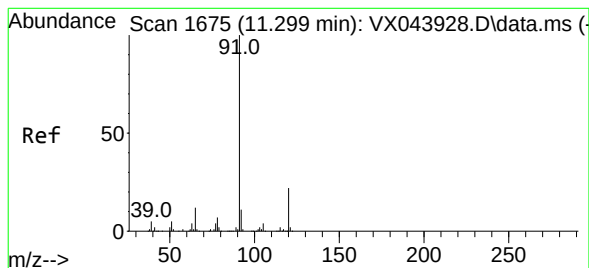
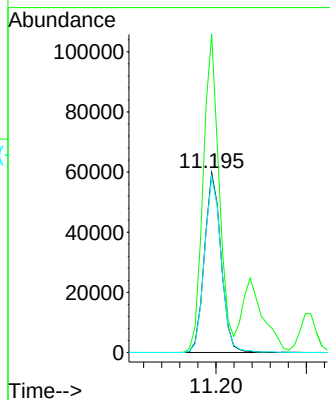
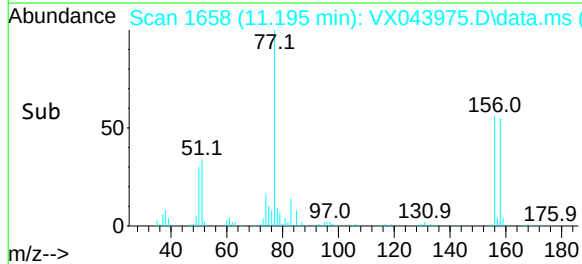
158 99.1 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

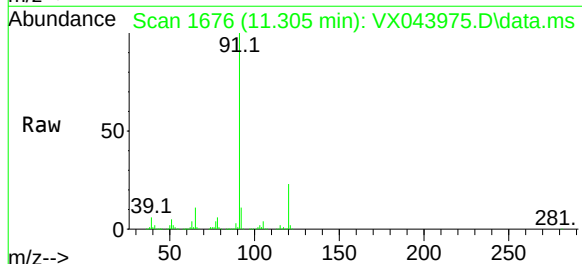
Concen: 51.172 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

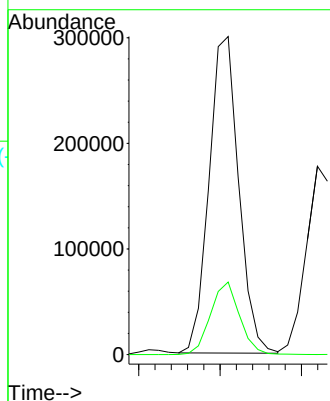
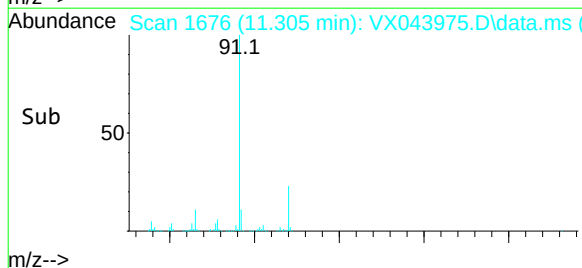


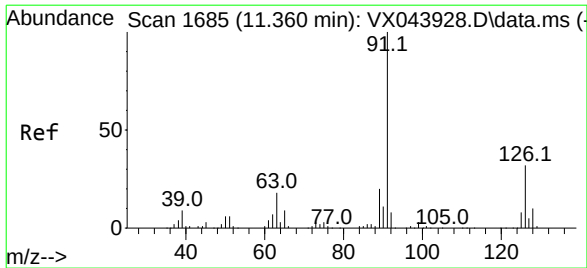
Tgt Ion: 91 Resp: 379686

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 49.328 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 231439

Ion Ratio Lower Upper

91 100

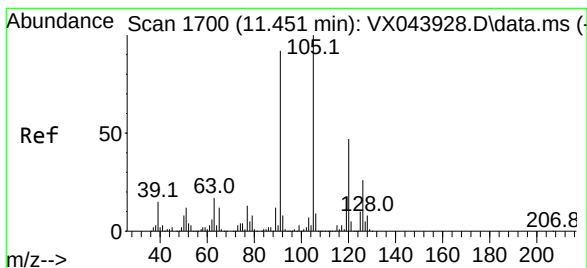
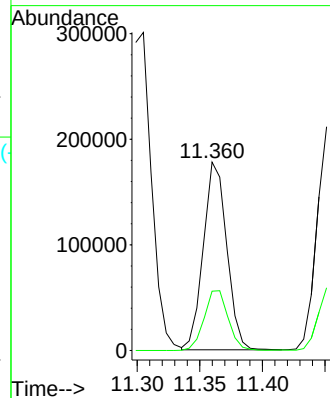
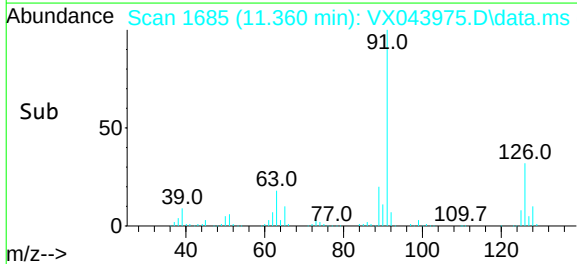
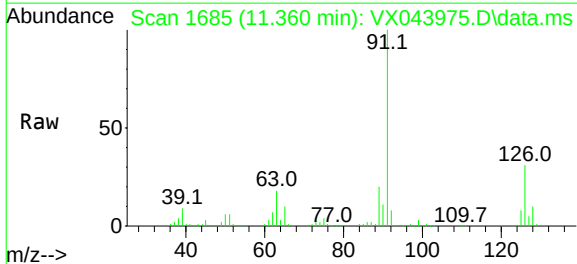
126 32.8 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 50.803 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043975.D

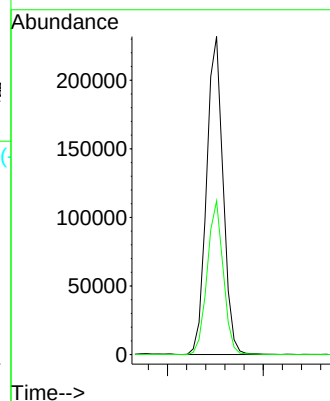
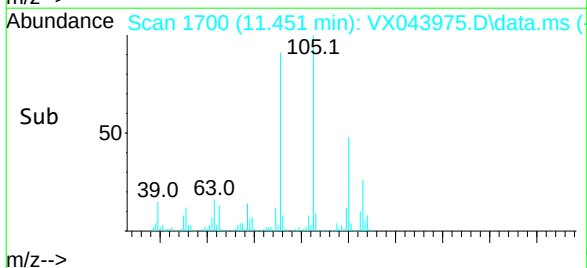
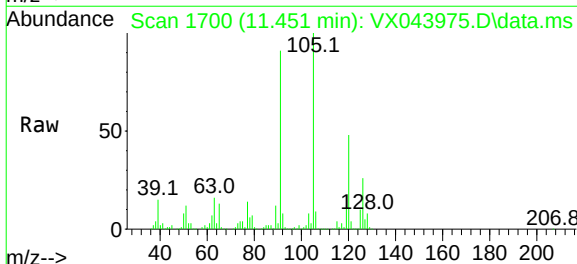
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 277669

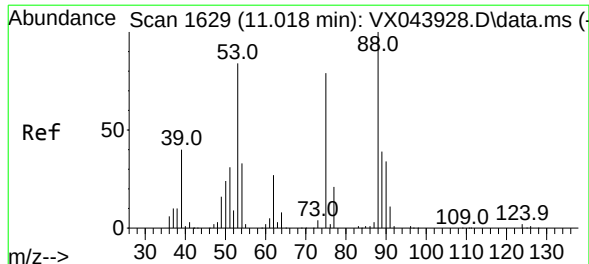
Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8







#81

trans-1,4-Dichloro-2-butene

Concen: 44.087 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 30621

Ion Ratio Lower Upper

75 100

53 116.2 86.7 130.1

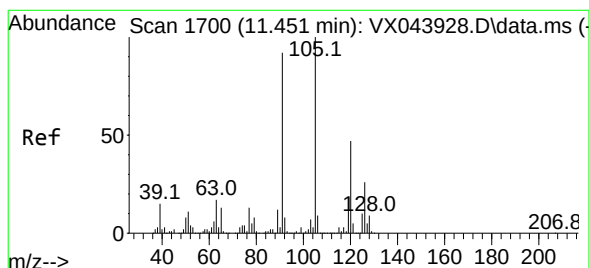
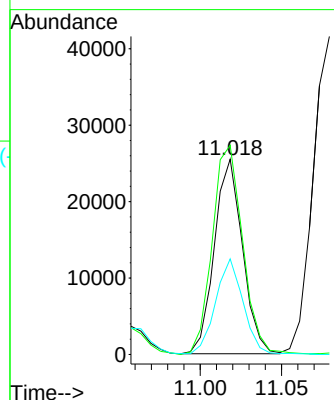
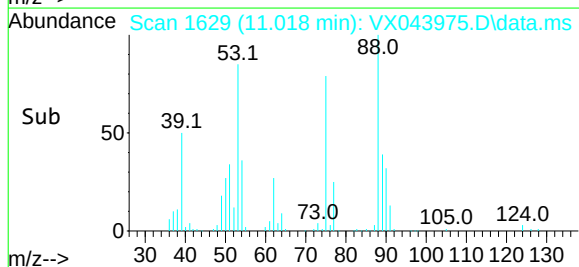
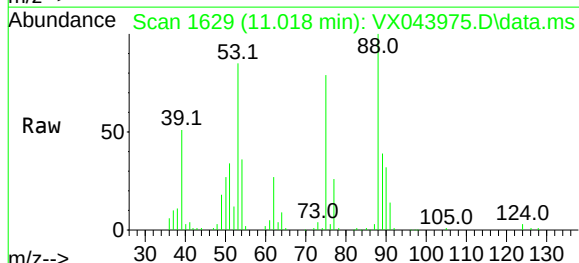
89 48.4 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 50.170 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043975.D

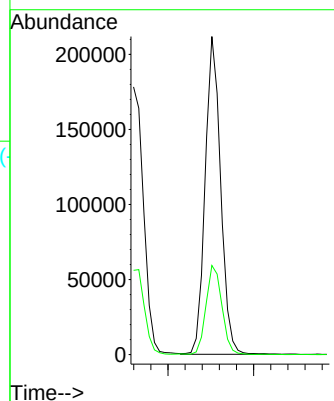
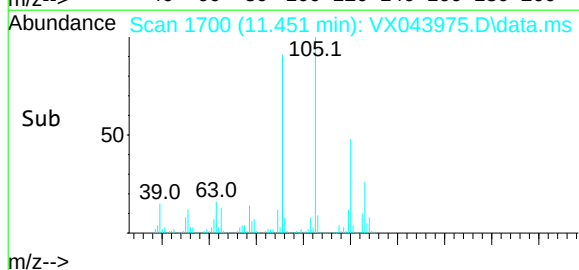
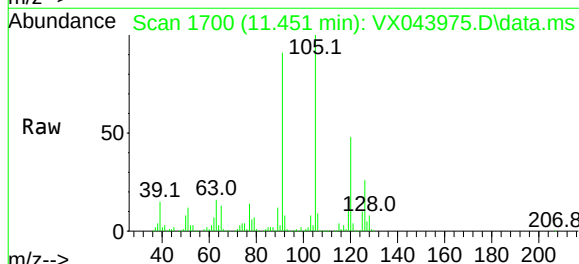
Acq: 22 Nov 2024 21:05

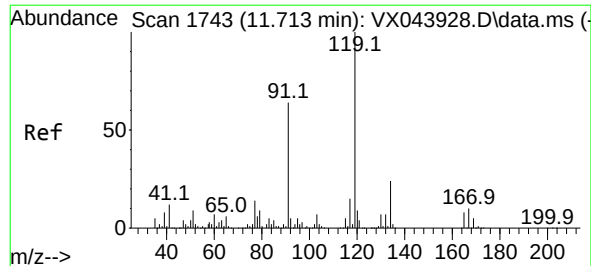
Tgt Ion: 91 Resp: 265745

Ion Ratio Lower Upper

91 100

126 28.7 14.3 42.9





#83

tert-Butylbenzene

Concen: 50.777 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 275078

Ion Ratio Lower Upper

119 100

91 62.3 31.0 93.0

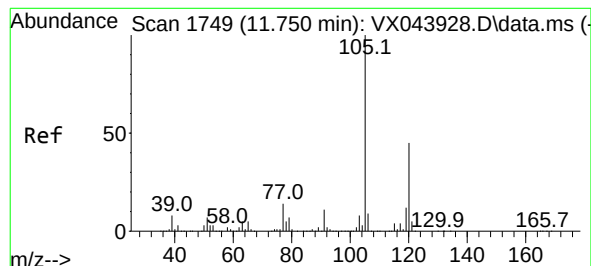
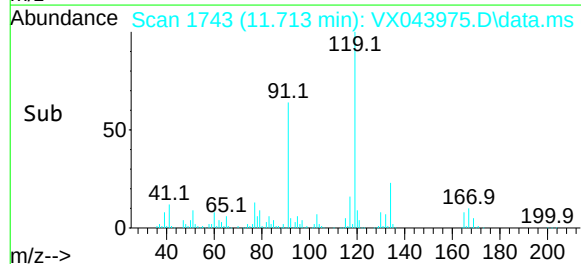
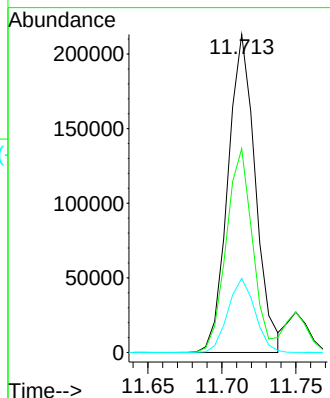
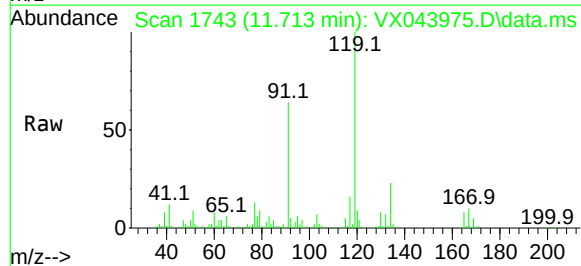
134 22.9 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 50.446 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043975.D

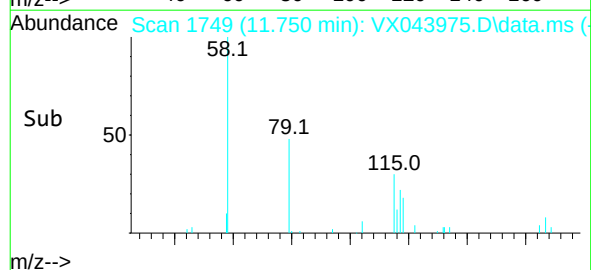
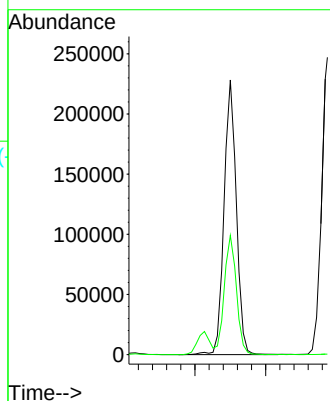
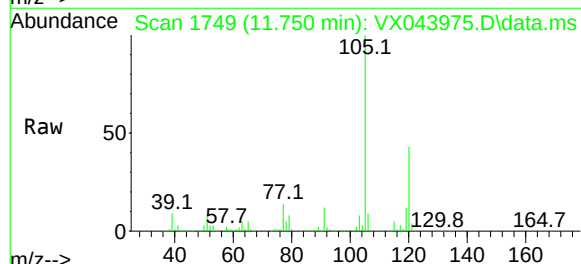
Acq: 22 Nov 2024 21:05

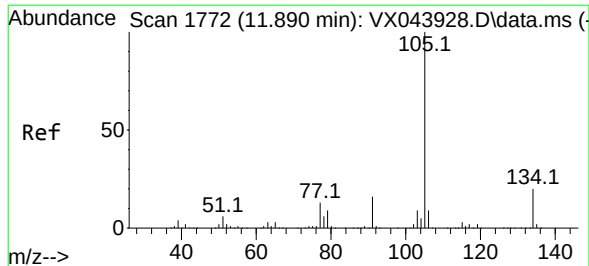
Tgt Ion:105 Resp: 274500

Ion Ratio Lower Upper

105 100

120 43.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 49.060 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 325633

Ion Ratio Lower Upper

105 100

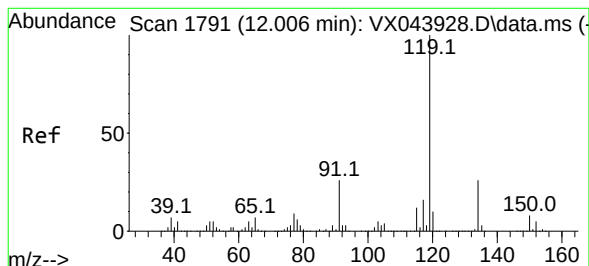
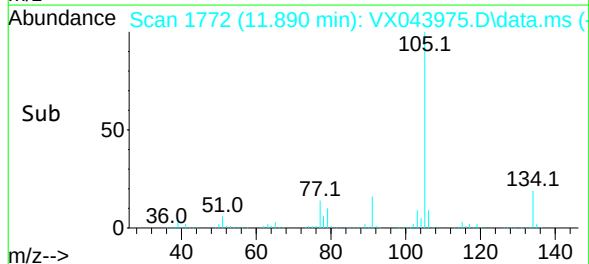
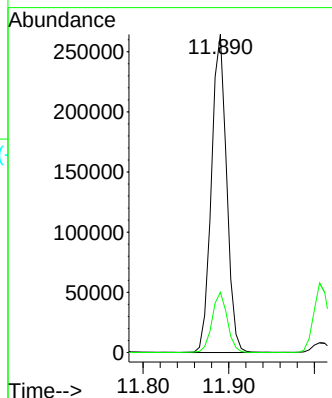
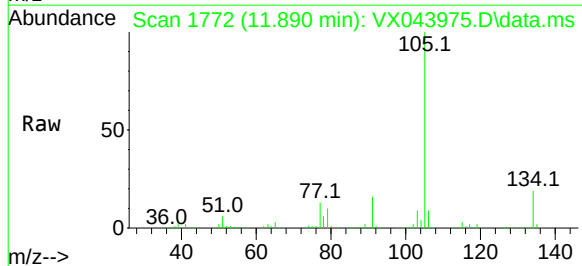
134 18.9 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 50.312 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

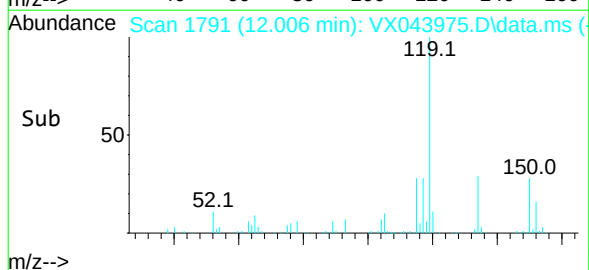
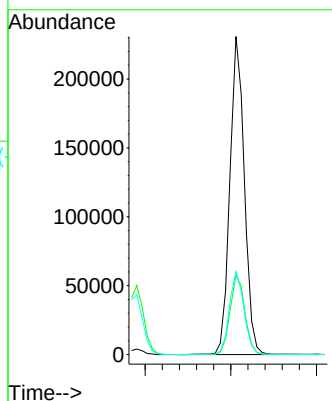
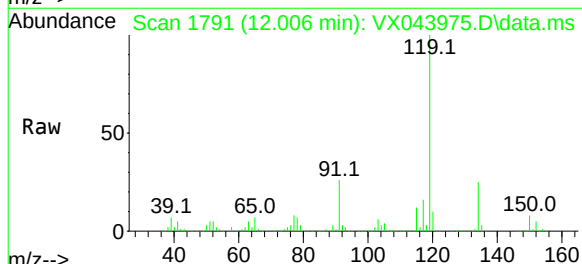
Tgt Ion:119 Resp: 271259

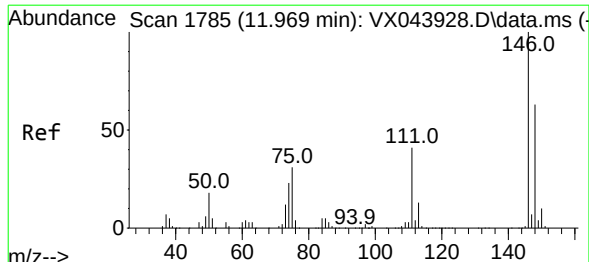
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 26.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.044 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 135787

Ion Ratio Lower Upper

146 100

111 43.3 21.1 63.3

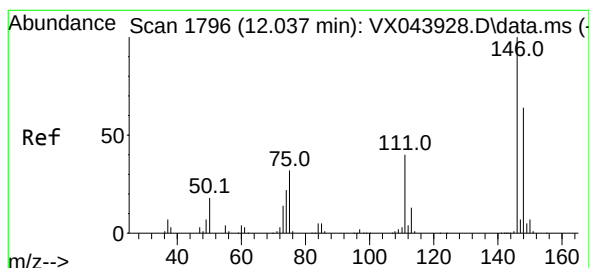
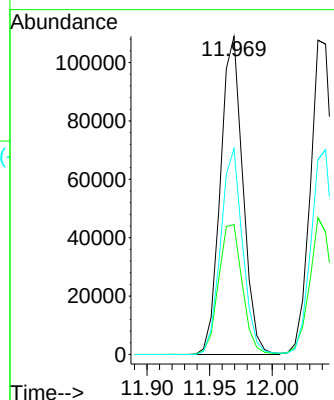
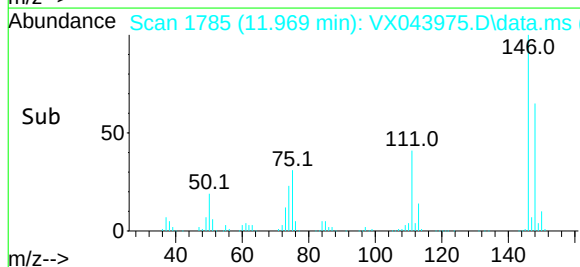
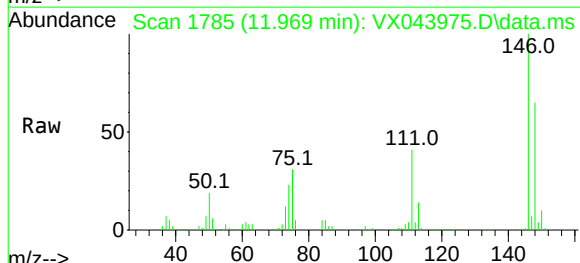
148 63.5 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 46.839 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

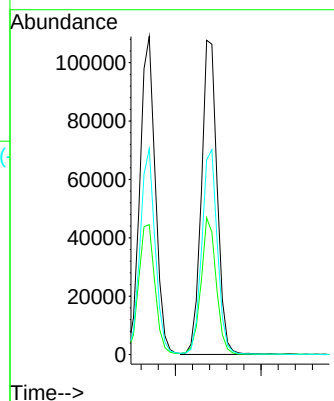
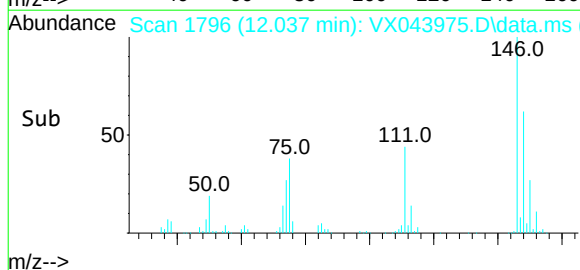
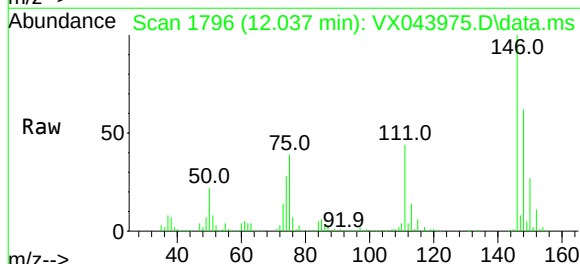
Tgt Ion:146 Resp: 137836

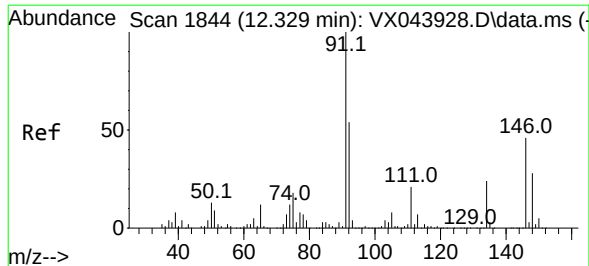
Ion Ratio Lower Upper

146 100

111 41.8 20.1 60.3

148 64.8 30.9 92.8





#89

n-Butylbenzene

Concen: 50.543 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 240255

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

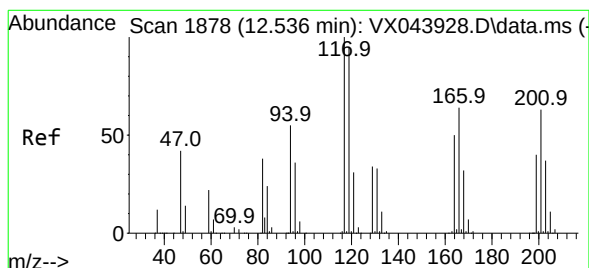
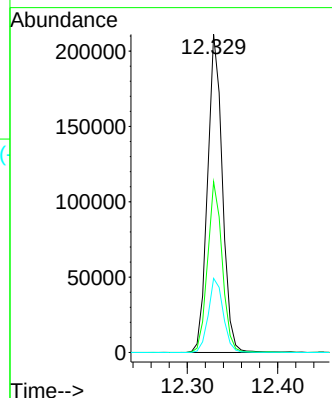
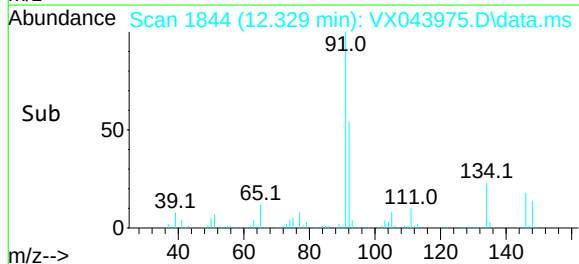
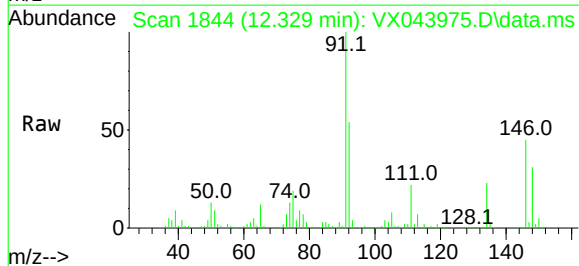
134 23.6 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 48.179 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043975.D

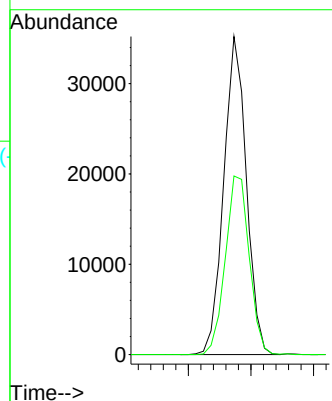
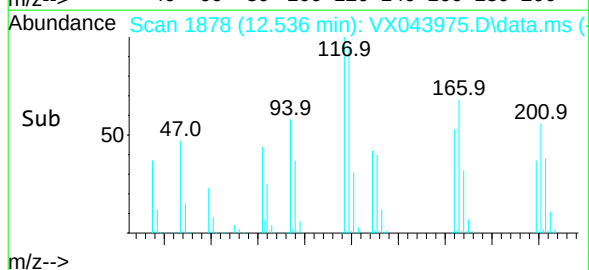
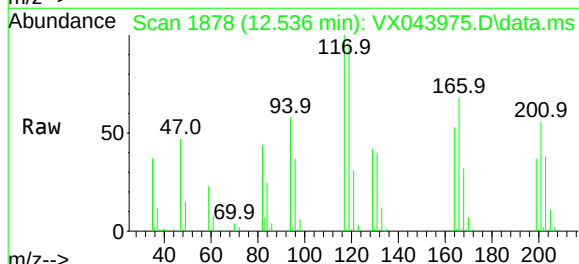
Acq: 22 Nov 2024 21:05

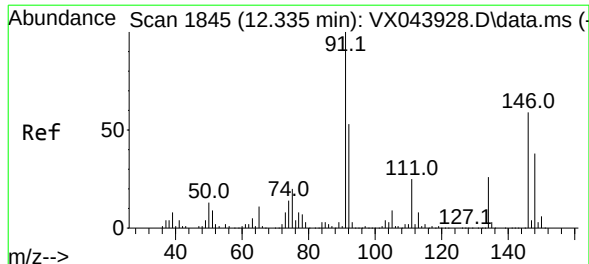
Tgt Ion:117 Resp: 44170

Ion Ratio Lower Upper

117 100

201 59.5 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 47.819 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043975.D

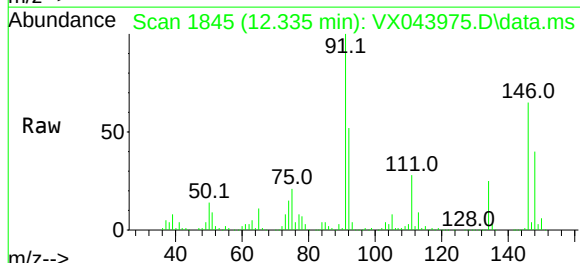
Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 146 Resp: 139296

Ion Ratio Lower Upper

146 100

111 44.4 21.5 64.5

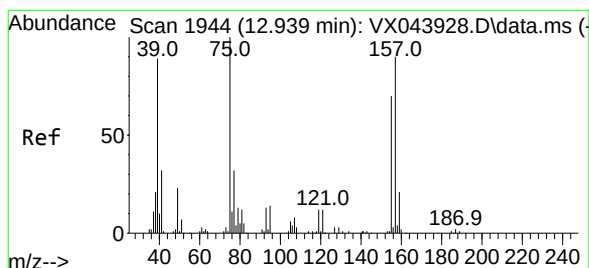
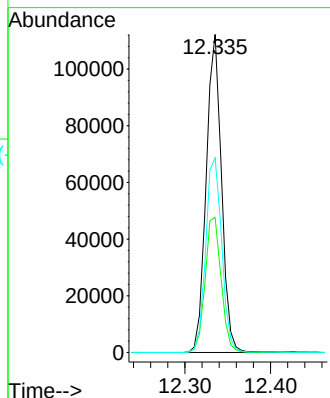
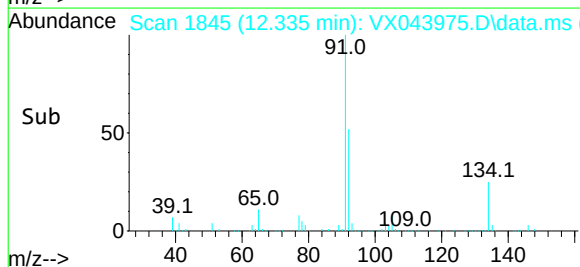
148 64.0 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.196 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

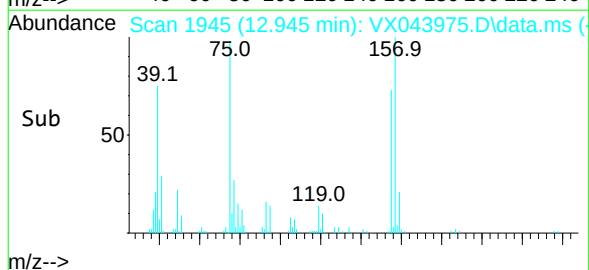
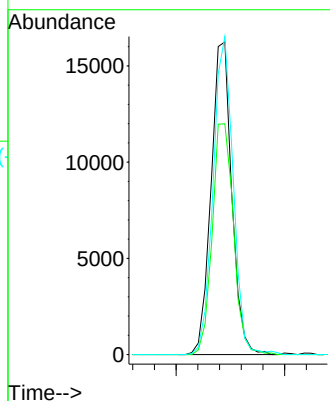
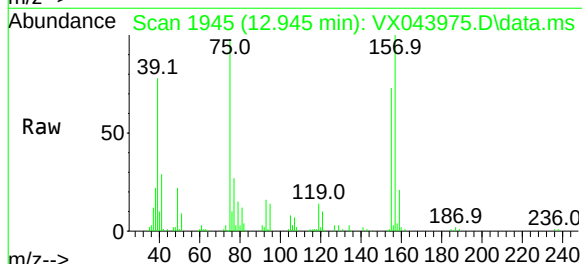
Tgt Ion: 75 Resp: 21512

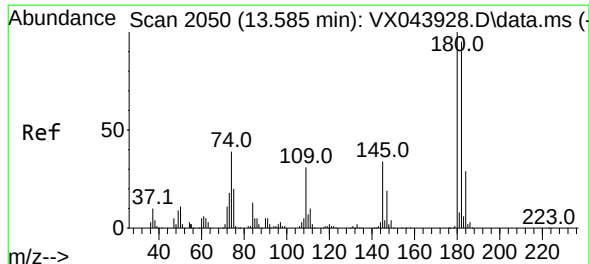
Ion Ratio Lower Upper

75 100

155 75.7 40.1 120.2

157 98.5 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 47.087 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 80863

Ion Ratio Lower Upper

180 100

182 95.8 48.0 144.2

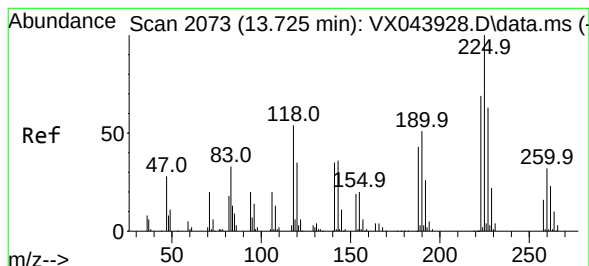
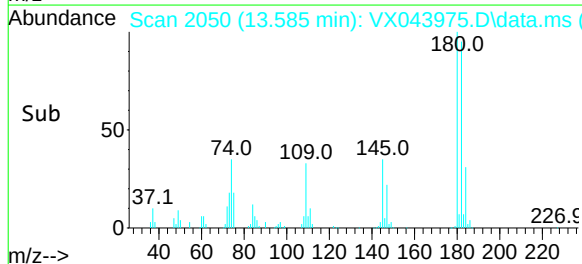
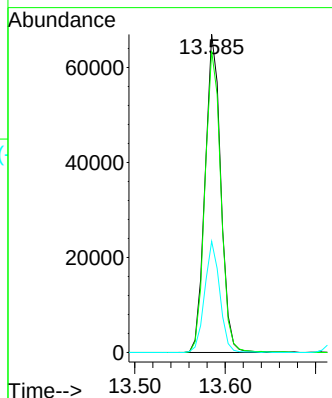
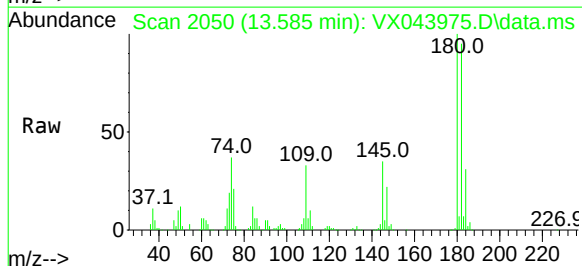
145 33.5 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 43.962 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

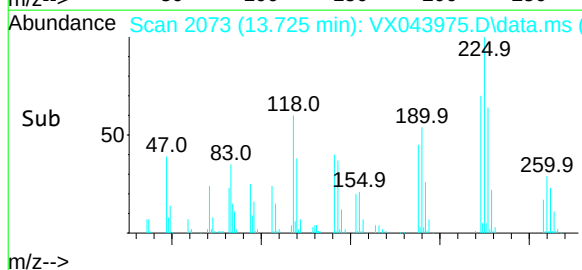
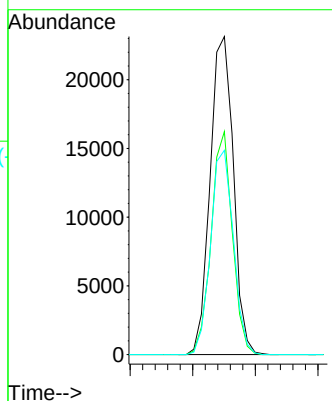
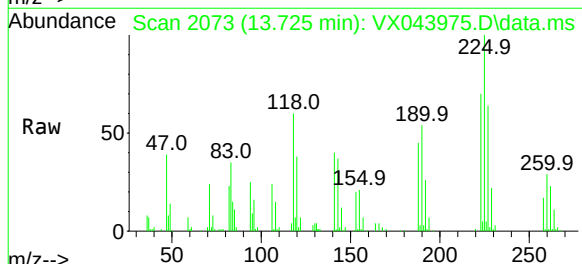
Tgt Ion:225 Resp: 29838

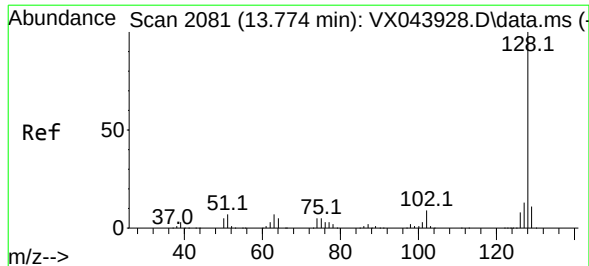
Ion Ratio Lower Upper

225 100

223 63.9 32.9 98.6

227 63.0 31.6 94.8





#95

Naphthalene

Concen: 50.444 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043975.D

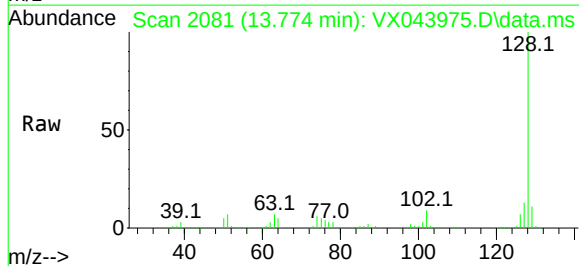
Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



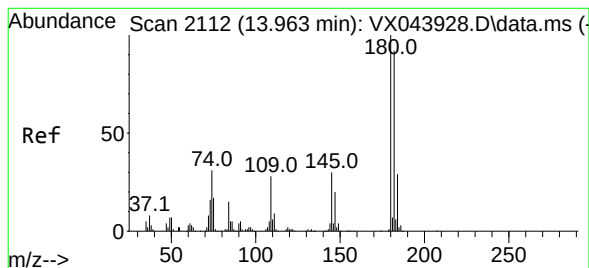
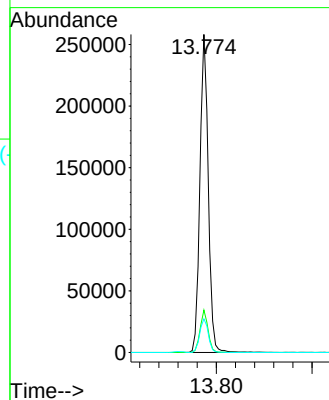
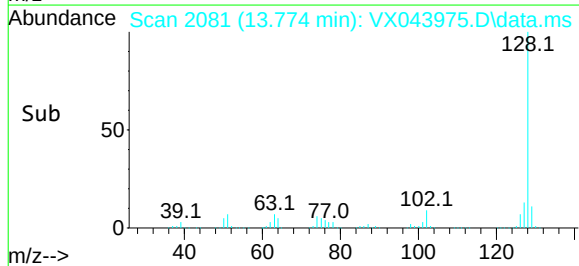
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 311837 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.8  | 10.2  | 15.2   |
| 129      | 10.8  | 8.6   | 12.8   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

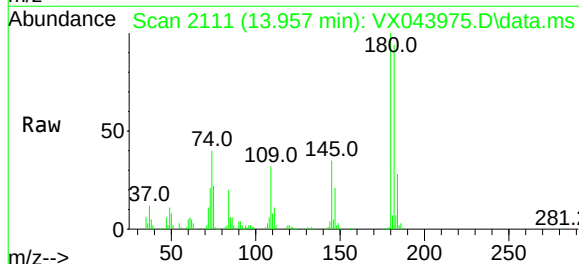
Concen: 50.266 ug/l

RT: 13.957 min Scan# 2111

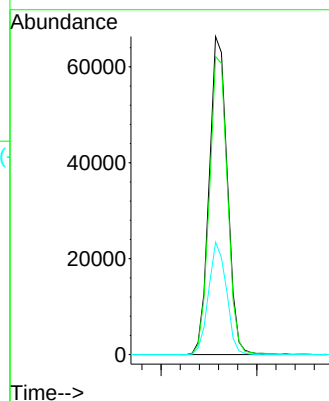
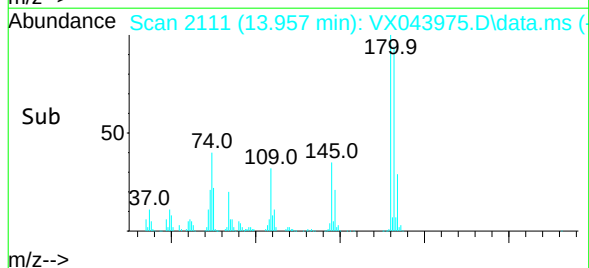
Delta R.T. -0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 87371 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 93.8  | 45.6  | 136.8 |
| 145      | 34.8  | 16.4  | 49.4  |





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.553 | 12.6  | 72    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.604 | 9.4   | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.633 | 10.7# | 74    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.468 | -7.3  | 93    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.412 | 4.6   | 80    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.357 | -7.0  | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.429 | 7.1   | 80    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.544 | 10.1  | 73    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.714 | 5.4   | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.118 | 14.5  | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.528 | 8.3#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.126 | 13.1  | 77    | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 0.921 | 2.1   | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.316 | 5.7   | 76    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.292 | 25.9# | 61    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 1.034 | 13.0  | 71    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.846 | 7.7   | 76    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 2.090 | 0.1   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.624 | 6.6   | 83    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.569 | 4.4   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 2.022 | -0.4  | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.762 | -2.3  | 81    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.155 | 0.5   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.453 | 10.8  | 71    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 0.956 | 8.9   | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.728 | 1.0   | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.513 | -0.4  | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.286 | 8.3   | 75    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.246 | 0.2#  | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 0.956 | 0.884 | 7.5   | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 1.102 | -2.3  | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.889 | -3.6  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.358 | -0.3  | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.431 | 3.1   | 81    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.500 | 9.6   | 76    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.488 | 2.4   | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.512 | 11.4  | 72    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.324 | 4.5   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.263 | 7.1   | 74    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.541 | 2.9   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.844 | 4.1   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.317 | 19.3  | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.329 | 3.2#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.256 | 4.8   | 81    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.474 | 1.7   | 81    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.388 | 8.1   | 77    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.005 | 37.5# | 61    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.216 | 1.3   | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.509 | 5.2   | 78    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.802 | 3.4#  | 81    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.480 | 2.2   | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.525 | 2.6   | 80    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.324 | 5.5   | 81    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.531 | 0.6   | 80    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.554 | 4.0   | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.250 | 8.4   | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.376 | 6.7   | 74    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.327 | 4.9   | 76    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.340 | 1.7   | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.417 | 0.5   | 100   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.305 | 7.6   | 78    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.047 | 4.6   | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.352 | 1.1   | 79    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 1.812 | 2.6#  | 79    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.689 | 0.7   | 80    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.676 | 0.3   | 79    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.146 | -2.2  | 81    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.239 | 0.4   | 75    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 3.785 | 1.5   | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 1.839 | -3.3  | 79    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.298 | 1.4   | 80    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.094 | 0.2   | 80    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.880 | 4.0   | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 4.393 | -2.3  | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.678 | 1.3   | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 3.213 | -1.6  | 80    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.354 | 11.9  | 69    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 3.075 | -0.4  | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 3.183 | -1.6  | 80    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.176 | -0.9  | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 3.768 | 1.9   | 76    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 3.139 | -0.6  | 77    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.571 | 5.9   | 77    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.595 | 6.3   | 77    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 2.780 | -1.1  | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.511 | 3.6   | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.612 | 4.3   | 79    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.249 | 5.7   | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 0.936 | 5.8   | 74    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.345 | 12.2  | 72    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 3.608 | -0.9  | 78    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043975.D  
Acq On : 22 Nov 2024 21:05  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.011 | -0.5 | 78    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 89    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.686  | 12.6  | 72    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 45.274  | 9.5   | 77    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.612  | 10.8# | 74    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 53.679  | -7.4  | 93    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 47.709  | 4.6   | 80    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 53.528  | -7.1  | 89    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.443  | 7.1   | 80    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.966  | 10.1  | 73    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.250  | 5.5   | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 215.043 | 14.0  | 73    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.800  | 8.4#  | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 217.457 | 13.0  | 77    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.923  | 2.2   | 78    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 235.443 | 5.8   | 76    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 185.644 | 25.7# | 61    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 43.508  | 13.0  | 71    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.099  | 7.8   | 76    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.964  | 0.1   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.692  | 6.6   | 83    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.861  | 4.3   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.212  | -0.4  | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 255.744 | -2.3  | 81    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.748  | 0.5   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 222.822 | 10.9  | 71    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 45.557  | 8.9   | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.483  | 1.0   | 82    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.141  | -0.3  | 101   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 229.176 | 8.3   | 75    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.881  | 0.2#  | 84    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.218  | 7.6   | 75    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 51.132  | -2.3  | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.858  | -3.7  | 105   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 93    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.113  | -0.2  | 101   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.403  | 3.2   | 81    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 45.245  | 9.5   | 76    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 48.766  | 2.5   | 81    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 44.283  | 11.4  | 72    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.732  | 4.5   | 82    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 46.538  | 6.9   | 74    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 48.527  | 2.9   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.002  | 4.0   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 40.354  | 19.3  | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.373  | 3.3#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 47.608  | 4.8   | 81    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 49.233  | 1.5   | 81    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 45.987  | 8.0   | 77    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 708.970 | 29.1# | 61    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.385  | 1.2   | 102   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 237.028 | 5.2   | 78    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.314  | 3.4#  | 81    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 48.867  | 2.3   | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 48.756  | 2.5   | 80    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.244  | 5.5   | 81    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.720  | 0.6   | 80    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 48.020  | 4.0   | 82    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 213.469 | 14.6  | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 233.298 | 6.7   | 74    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.547  | 4.9   | 76    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.118  | 1.8   | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 49.694  | 0.6   | 100   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 89    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 46.307  | 7.4   | 78    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 47.680  | 4.6   | 81    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.398  | 1.2   | 79    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.699  | 2.6#  | 79    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.287  | 0.7   | 80    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.924  | 0.2   | 79    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.134  | -2.3  | 81    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 44.579  | 10.8  | 75    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 86    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.244  | 1.5   | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 51.633  | -3.3  | 79    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.312  | 1.4   | 80    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.896  | 0.2   | 80    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.990  | 4.0   | 78    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.172  | -2.3  | 80    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.328  | 1.3   | 81    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.803  | -1.6  | 80    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 44.087  | 11.8  | 69    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.170  | -0.3  | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.777  | -1.6  | 80    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 50.446  | -0.9  | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.060  | 1.9   | 76    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 50.312  | -0.6  | 77    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.044  | 5.9   | 77    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.839  | 6.3   | 77    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.543  | -1.1  | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.179  | 3.6   | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.819  | 4.4   | 79    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.196  | 5.6   | 76    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.087  | 5.8   | 74    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.962  | 12.1  | 72    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 50.444  | -0.9  | 78    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043975.D  
Acq On : 22 Nov 2024 21:05  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 22 22:32:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.266 | -0.5 | 78    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.633 | 0.589  |            | -6.95  | 20    |
| Chloromethane                  | 0.667 | 0.624  | 0.1        | -6.45  | 20    |
| Vinyl Chloride                 | 0.709 | 0.656  |            | -7.47  | 20    |
| Bromomethane                   | 0.436 | 0.450  |            | 3.21   | 20    |
| Chloroethane                   | 0.432 | 0.419  |            | -3.01  | 20    |
| Trichlorofluoromethane         | 1.268 | 1.137  |            | -10.33 | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.576  |            | -4.79  | 20    |
| 1,1-Dichloroethene             | 0.576 | 0.531  |            | -7.81  | 20    |
| Acetone                        | 0.394 | 0.361  |            | -8.38  | 20    |
| Carbon Disulfide               | 1.188 | 1.050  |            | -11.62 | 20    |
| Methyl tert-butyl Ether        | 2.092 | 2.024  |            | -3.25  | 20    |
| Methyl Acetate                 | 0.917 | 0.854  |            | -6.87  | 20    |
| Methylene Chloride             | 0.668 | 0.625  |            | -6.44  | 20    |
| trans-1,2-Dichloroethene       | 0.595 | 0.560  |            | -5.88  | 20    |
| 1,1-Dichloroethane             | 1.161 | 1.131  | 0.1        | -2.58  | 20    |
| Cyclohexane                    | 0.956 | 0.884  |            | -7.53  | 20    |
| 2-Butanone                     | 0.508 | 0.480  |            | -5.51  | 20    |
| Carbon Tetrachloride           | 0.500 | 0.507  |            | 1.4    | 20    |
| cis-1,2-Dichloroethene         | 0.735 | 0.712  |            | -3.13  | 20    |
| Bromochloromethane             | 0.511 | 0.489  |            | -4.3   | 20    |
| Chloroform                     | 1.249 | 1.232  |            | -1.36  | 20    |
| 1,1,1-Trichloroethane          | 1.077 | 1.056  |            | -1.95  | 20    |
| Methylcyclohexane              | 0.578 | 0.553  |            | -4.32  | 20    |
| Benzene                        | 1.387 | 1.357  |            | -2.16  | 20    |
| 1,2-Dichloroethane             | 0.557 | 0.546  |            | -1.98  | 20    |
| Trichloroethene                | 0.393 | 0.334  |            | -15.01 | 20    |
| 1,2-Dichloropropane            | 0.340 | 0.339  |            | -0.29  | 20    |
| Bromodichloromethane           | 0.482 | 0.500  |            | 3.73   | 20    |
| 4-Methyl-2-Pentanone           | 0.537 | 0.513  |            | -4.47  | 20    |
| Toluene                        | 0.830 | 0.830  |            | 0      | 20    |
| t-1,3-Dichloropropene          | 0.491 | 0.507  |            | 3.26   | 20    |
| cis-1,3-Dichloropropene        | 0.539 | 0.543  |            | 0.74   | 20    |
| 1,1,2-Trichloroethane          | 0.343 | 0.336  |            | -2.04  | 20    |
| 2-Hexanone                     | 0.403 | 0.390  |            | -3.23  | 20    |
| Dibromochloromethane           | 0.344 | 0.356  |            | 3.49   | 20    |
| 1,2-Dibromoethane              | 0.346 | 0.344  |            | -0.58  | 20    |
| Tetrachloroethene              | 0.330 | 0.331  |            | 0.3    | 20    |
| Chlorobenzene                  | 1.098 | 1.081  | 0.3        | -1.55  | 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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/25/2024 11:27

Lab File ID: VX043977.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.861 | 1.882  |            | 1.13  | 20    |
| m/p-Xylenes                 | 0.694 | 0.706  |            | 1.73  | 20    |
| o-Xylene                    | 0.678 | 0.678  |            | 0     | 20    |
| Styrene                     | 1.121 | 1.173  |            | 4.64  | 20    |
| Bromoform                   | 0.240 | 0.248  | 0.1        | 3.33  | 20    |
| Isopropylbenzene            | 3.843 | 3.702  |            | -3.67 | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.316 | 1.246  | 0.3        | -5.32 | 20    |
| 1,3-Dichlorobenzene         | 1.670 | 1.624  |            | -2.75 | 20    |
| 1,4-Dichlorobenzene         | 1.702 | 1.617  |            | -4.99 | 20    |
| 1,2-Dichlorobenzene         | 1.685 | 1.638  |            | -2.79 | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.264 | 0.243  |            | -7.95 | 20    |
| 1,2,4-Trichlorobenzene      | 0.994 | 0.954  |            | -4.02 | 20    |
| 1,2,3-Trichlorobenzene      | 1.006 | 0.977  |            | -2.88 | 20    |
| 1,2-Dichloroethane-d4       | 0.858 | 0.840  |            | -2.1  | 20    |
| Dibromofluoromethane        | 0.357 | 0.360  |            | 0.84  | 20    |
| Toluene-d8                  | 1.232 | 1.227  |            | -0.41 | 20    |
| 4-Bromofluorobenzene        | 0.419 | 0.426  |            | 1.67  | 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\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:43:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.543  | 168  | 132560   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.750  | 114  | 232543   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 196596   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 94886    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.946  | 65    | 111407   | 49.000   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 98.000%  |
| 35) Dibromofluoromethane  | 5.373  | 113   | 83636    | 50.333   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 100.660% |
| 50) Toluene-d8            | 8.646  | 98    | 285275   | 49.805   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 99.620%  |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 98993    | 50.783   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 101.560% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 78031   | 46.466  | ug/l | 97     |
| 3) Chloromethane             | 1.294 | 50  | 82659   | 46.775  | ug/l | 100    |
| 4) Vinyl Chloride            | 1.373 | 62  | 86898   | 46.231  | ug/l | 97     |
| 5) Bromomethane              | 1.593 | 94  | 59627   | 51.566  | ug/l | 100    |
| 6) Chloroethane              | 1.666 | 64  | 55513   | 48.469  | ug/l | 98     |
| 7) Trichlorofluoromethane    | 1.867 | 101 | 150681  | 44.839  | ug/l | 98     |
| 8) Diethyl Ether             | 2.129 | 74  | 57910   | 47.280  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 76375   | 47.646  | ug/l | 99     |
| 10) Methyl Iodide            | 2.440 | 142 | 95686   | 47.795  | ug/l | 98     |
| 11) Tert butyl alcohol       | 2.995 | 59  | 80418   | 220.360 | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 70387   | 46.080  | ug/l | 97     |
| 13) Acrolein                 | 2.233 | 56  | 86322   | 224.411 | ug/l | 98     |
| 14) Allyl chloride           | 2.654 | 41  | 117463  | 47.063  | ug/l | 98     |
| 15) Acrylonitrile            | 3.062 | 53  | 212767  | 239.244 | ug/l | 98     |
| 16) Acetone                  | 2.379 | 43  | 239021  | 228.890 | ug/l | 99     |
| 17) Carbon Disulfide         | 2.501 | 76  | 139122  | 44.155  | ug/l | 97     |
| 18) Methyl Acetate           | 2.702 | 43  | 113156  | 46.531  | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 268289  | 48.373  | ug/l | 98     |
| 20) Methylene Chloride       | 2.782 | 84  | 82791   | 46.719  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene | 3.080 | 96  | 74174   | 47.034  | ug/l | 99     |
| 22) Diisopropyl ether        | 3.757 | 45  | 262616  | 49.207  | ug/l | 97     |
| 23) Vinyl Acetate            | 3.714 | 43  | 1133947 | 248.374 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 149933  | 48.697  | ug/l | 100    |
| 25) 2-Butanone               | 4.556 | 43  | 318432  | 236.327 | ug/l | 100    |
| 26) 2,2-Dichloropropane      | 4.464 | 77  | 131754  | 47.384  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.476 | 96  | 94434   | 48.444  | ug/l | 98     |
| 28) Bromochloromethane       | 4.891 | 49  | 64856   | 47.856  | ug/l | 99     |
| 29) Tetrahydrofuran          | 5.001 | 42  | 192450  | 232.975 | ug/l | 98     |
| 30) Chloroform               | 5.086 | 83  | 163376  | 49.337  | ug/l | 93     |
| 31) Cyclohexane              | 5.458 | 56  | 117118  | 46.218  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 139993  | 49.023  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 101514  | 49.026  | ug/l | 98     |
| 37) Ethyl Acetate            | 4.708 | 43  | 118947  | 46.278  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 5.671 | 117 | 117996  | 50.716  | ug/l | 99     |
| 39) Methylcyclohexane        | 7.372 | 83  | 128697  | 47.843  | ug/l | 96     |
| 40) Benzene                  | 6.031 | 78  | 315624  | 48.936  | ug/l | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 26 00:43:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.915  | 41   | 63274    | 48.098  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 126975   | 49.018  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 197344   | 48.245  | ug/l   | 99       |
| 44) Trichloroethene           | 7.116  | 130  | 77683    | 42.546  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 78811    | 49.890  | ug/l   | 96       |
| 46) Dibromomethane            | 7.573  | 93   | 62964    | 50.387  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.817  | 83   | 116299   | 51.893  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.689  | 41   | 94692    | 48.244  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 30394    | 869.321 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 596153   | 238.823 | ug/l   | 100      |
| 52) Toluene                   | 8.713  | 92   | 193103   | 50.022  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 117928   | 51.600  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 126204   | 50.373  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.146  | 97   | 78203    | 49.075  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 122941   | 49.531  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 133878   | 49.872  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 308826   | 226.771 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 453330   | 241.619 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 82843    | 51.814  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 79994    | 49.645  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.268  | 164  | 64988    | 50.133  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 212422   | 49.197  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 73082    | 52.189  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 369929   | 50.561  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 277477   | 101.696 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 133377   | 50.067  | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 230674   | 52.353  | ug/l   | 99       |
| 71) Bromoform                 | 10.798 | 173  | 48701    | 46.066  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.957 | 105  | 351294   | 48.163  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 163405   | 48.361  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 118187   | 47.323  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 98609m   | 47.389  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 84168    | 48.374  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.304 | 91   | 406428   | 49.892  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.359 | 91   | 246237   | 47.802  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 298167   | 49.689  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 35040    | 45.951  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 282543   | 48.585  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 292877   | 49.242  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 298636   | 49.987  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 362725   | 49.775  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 306406   | 51.764  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 154082   | 48.622  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 153444   | 47.493  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 266108   | 50.989  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 48961    | 48.643  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 155387   | 48.588  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 23083    | 46.127  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 90486    | 47.992  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36196    | 48.575  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 334769   | 49.325  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.956 | 180  | 92716    | 48.584  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043977.D  
Acq On : 25 Nov 2024 11:27  
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 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:43:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

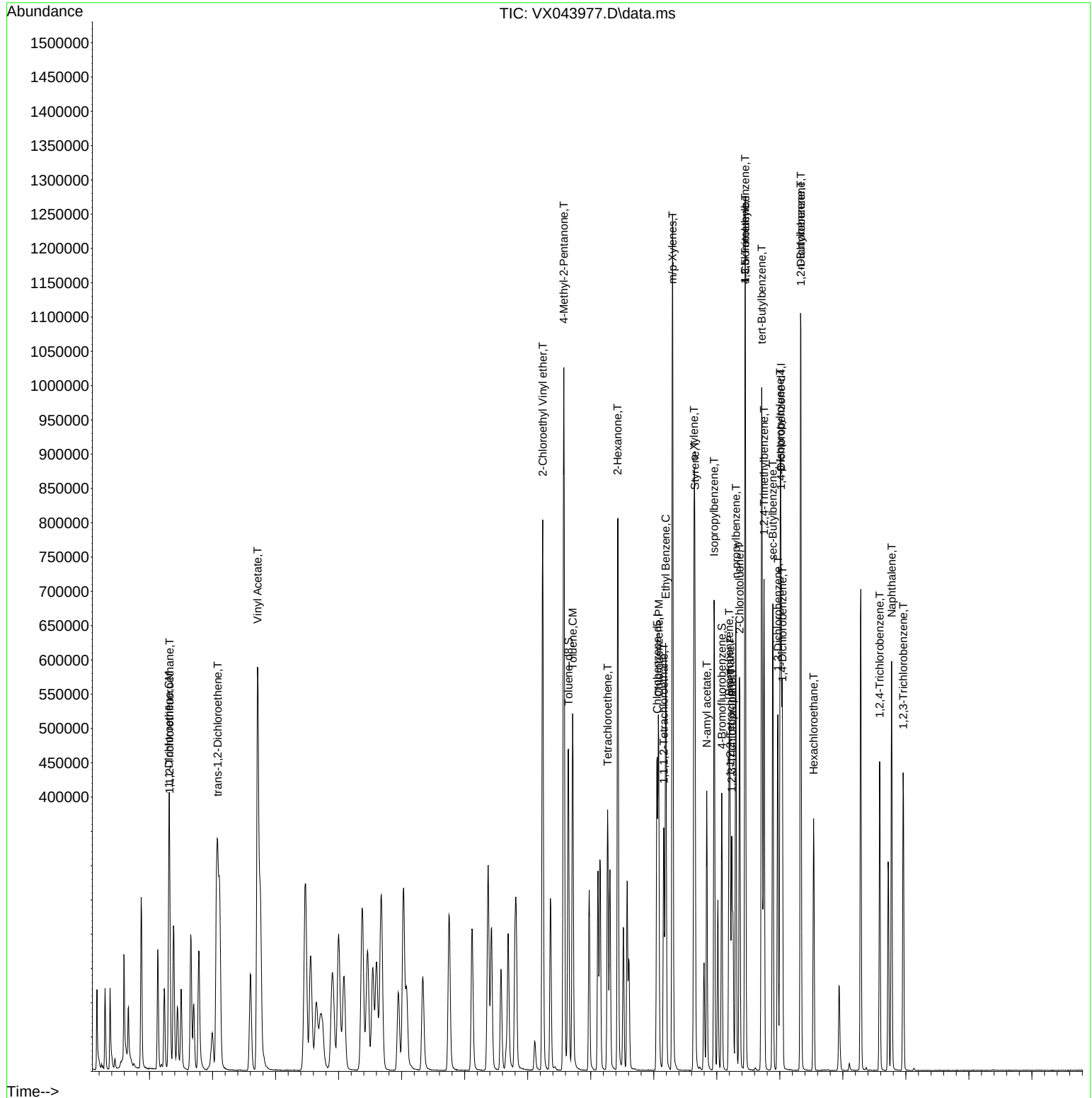
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Data File : VX043977.D  
Acq On : 25 Nov 2024 11:27  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

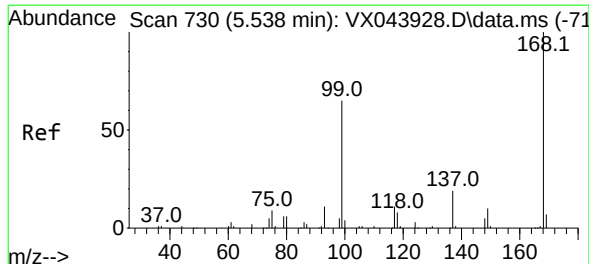
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:43:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.543 min Scan# 73

Delta R.T. 0.005 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:168 Resp: 132560

Ion Ratio Lower Upper

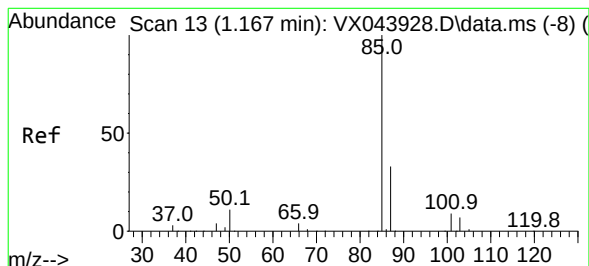
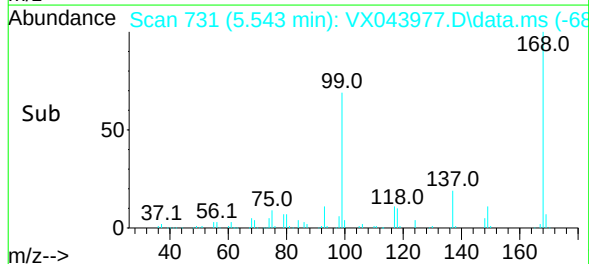
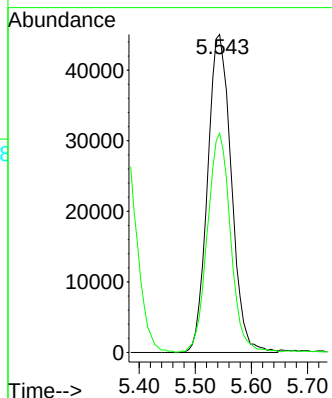
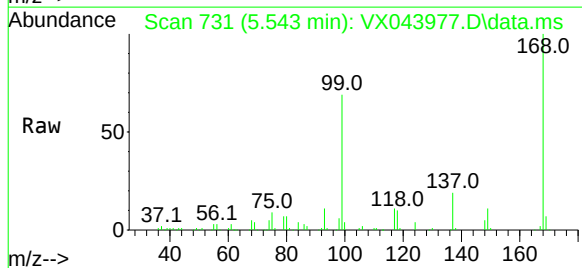
168 100

99 68.7 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#2

Dichlorodifluoromethane

Concen: 46.466 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043977.D

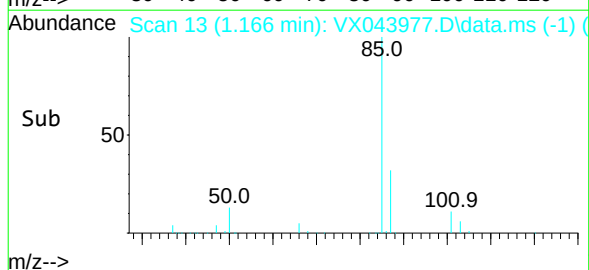
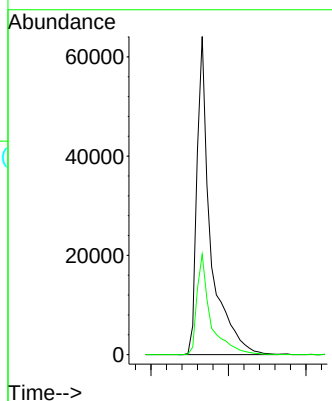
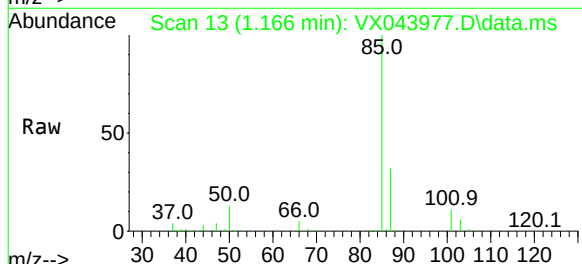
Acq: 25 Nov 2024 11:27

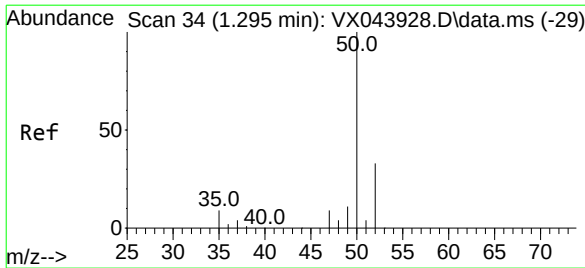
Tgt Ion: 85 Resp: 78031

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.8





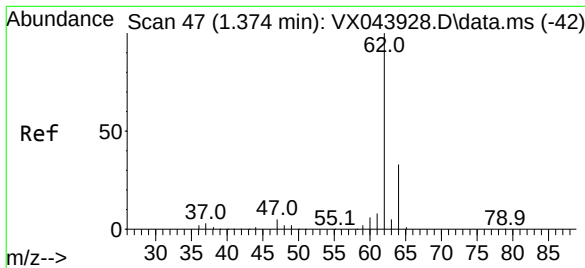
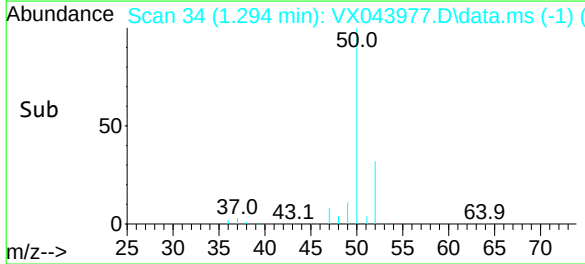
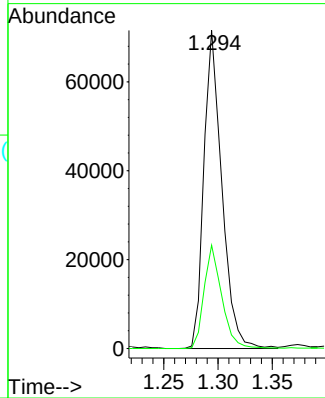
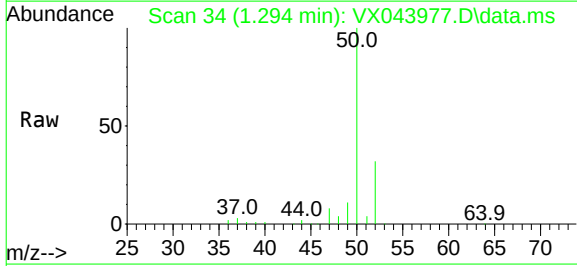
#3  
Chloromethane  
Concen: 46.775 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 50 Resp: 82659  
Ion Ratio Lower Upper  
50 100  
52 32.5 26.1 39.1

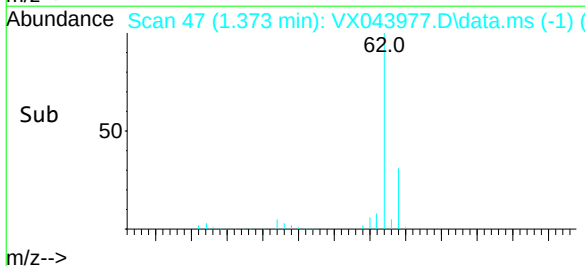
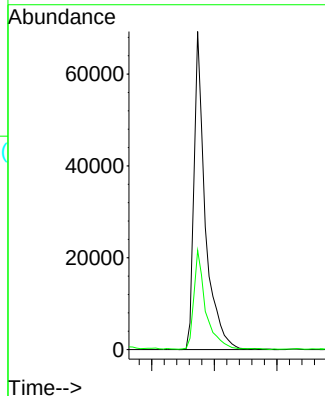
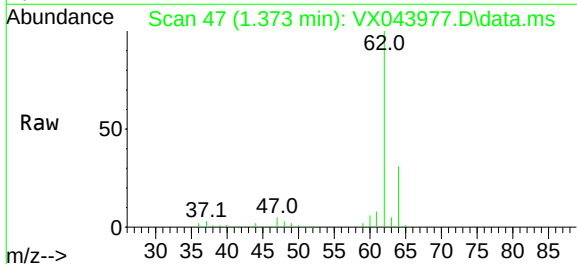
Manual Integrations  
APPROVED

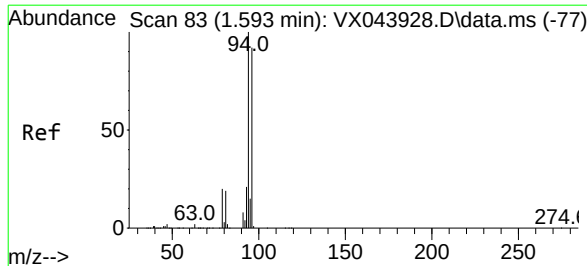
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#4  
Vinyl Chloride  
Concen: 46.231 ug/l  
RT: 1.373 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 62 Resp: 86898  
Ion Ratio Lower Upper  
62 100  
64 31.1 26.2 39.4





#5

Bromomethane

Concen: 51.566 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 59627

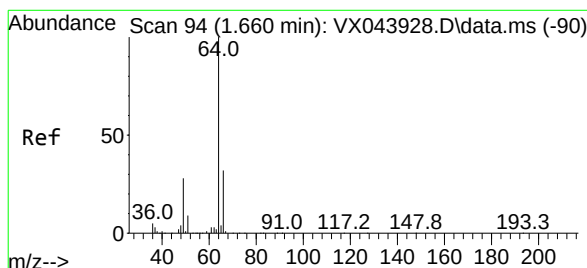
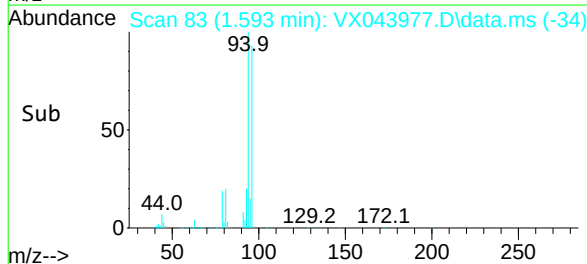
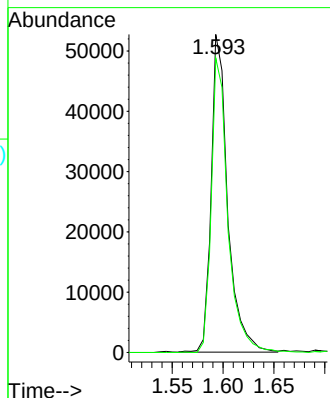
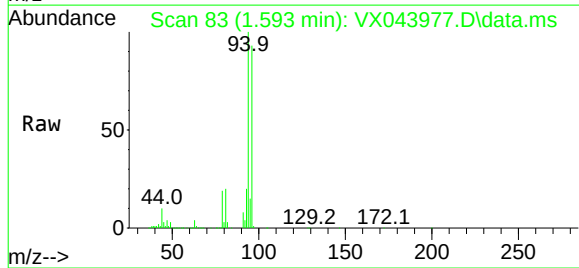
Ion Ratio Lower Upper

94 100

96 92.6 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#6

Chloroethane

Concen: 48.469 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043977.D

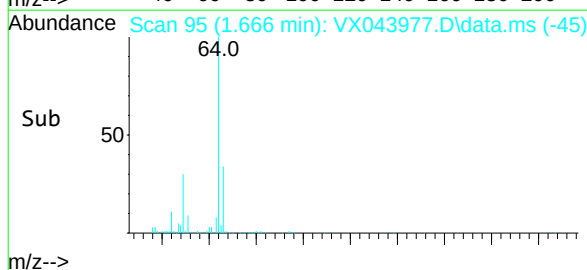
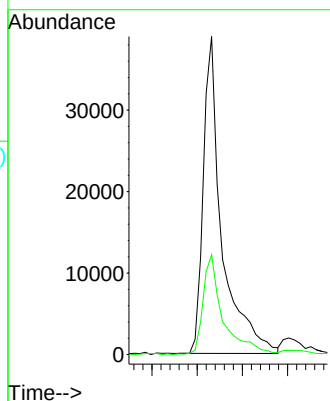
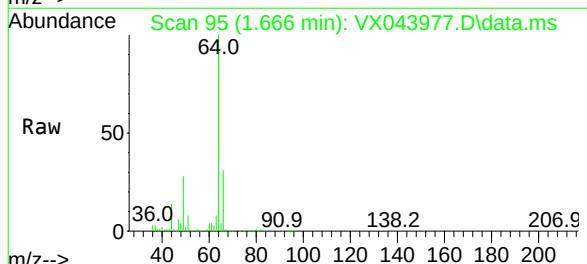
Acq: 25 Nov 2024 11:27

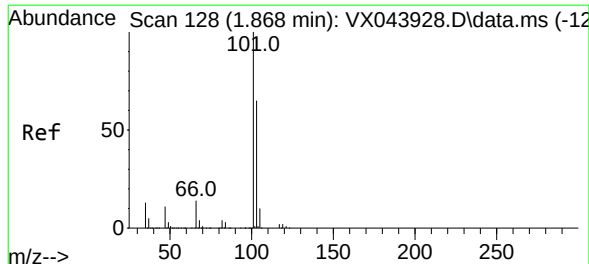
Tgt Ion: 64 Resp: 55513

Ion Ratio Lower Upper

64 100

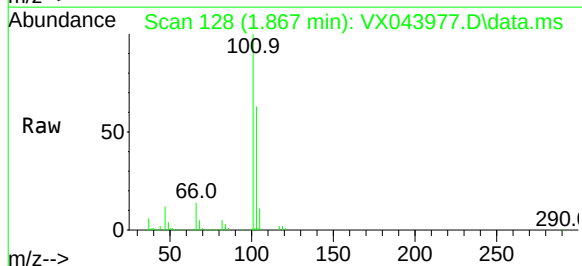
66 31.3 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 44.839 ug/l  
RT: 1.867 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

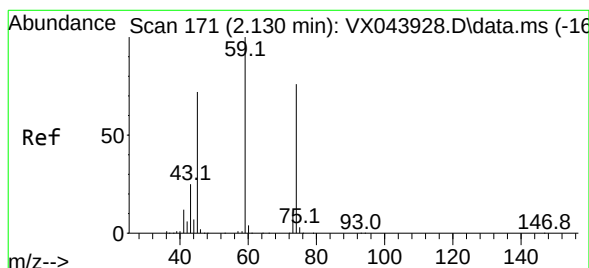
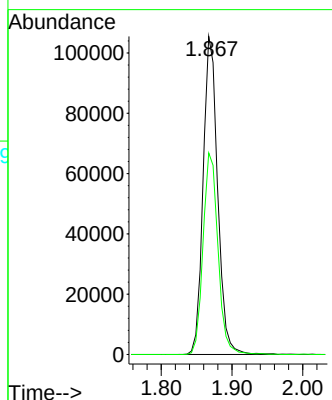
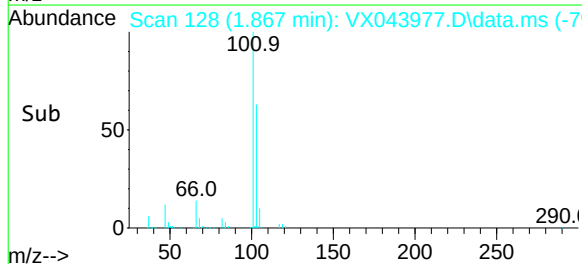
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 101 Resp: 150681  
Ion Ratio Lower Upper  
101 100  
103 63.4 52.2 78.2

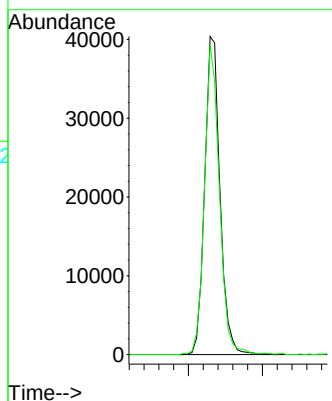
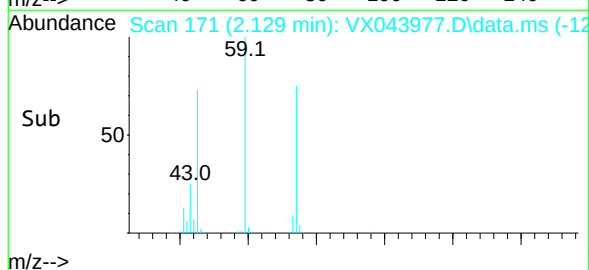
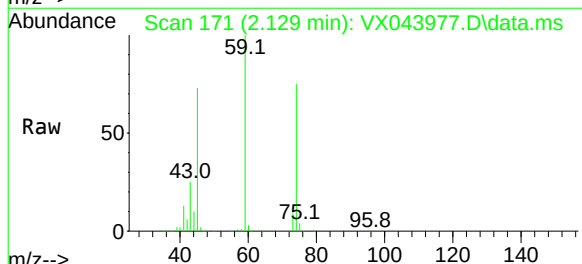
Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

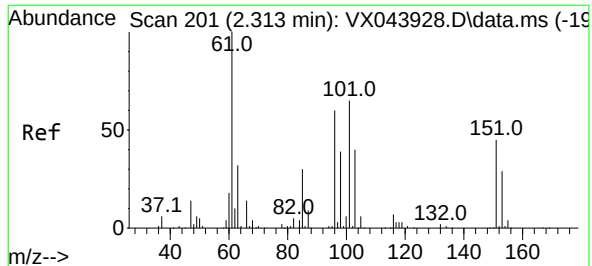


#8  
Diethyl Ether  
Concen: 47.280 ug/l  
RT: 2.129 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 74 Resp: 57910  
Ion Ratio Lower Upper  
74 100  
45 95.0 47.9 143.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.646 ug/l

RT: 2.318 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

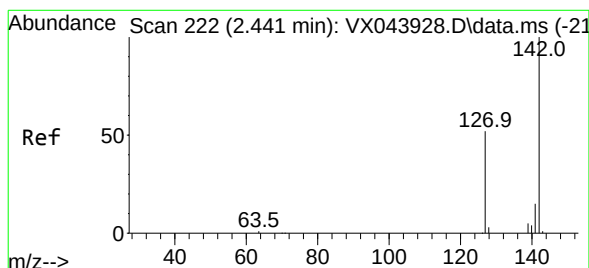
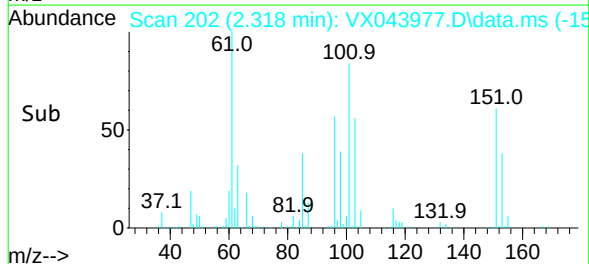
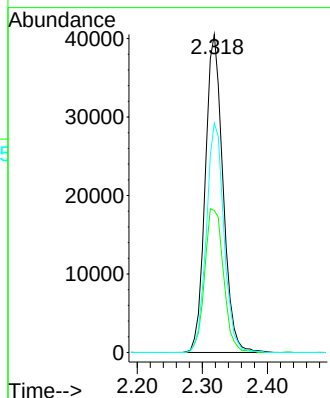
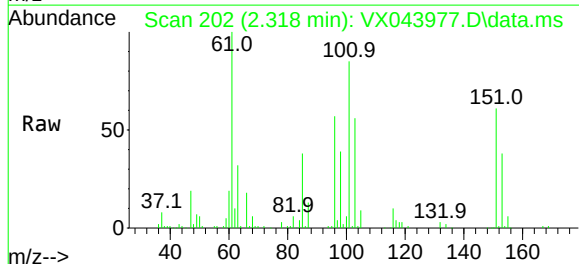
VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 76375 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 48.2  | 37.9  | 56.9  |
| 151       | 71.7  | 57.5  | 86.3  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#10

Methyl Iodide

Concen: 47.795 ug/l

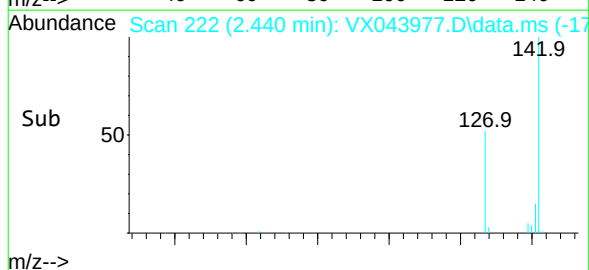
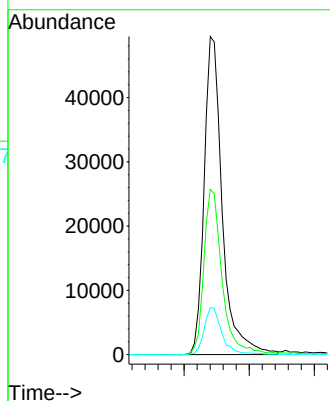
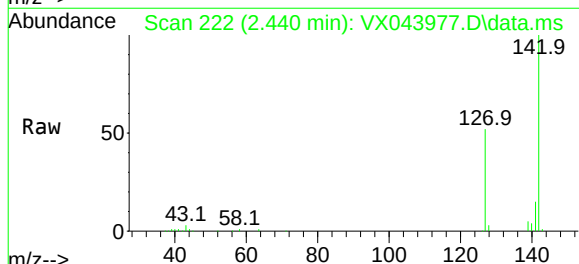
RT: 2.440 min Scan# 222

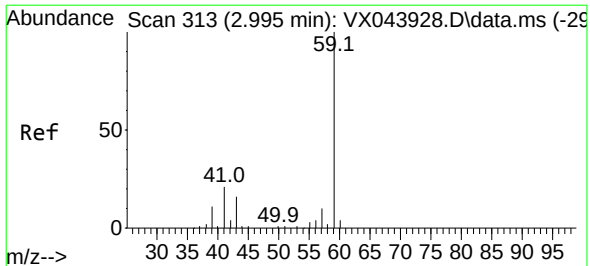
Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 95686 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 52.7  | 40.7  | 61.1  |
| 141       | 14.5  | 12.0  | 18.0  |





#11

Tert butyl alcohol

Concen: 220.360 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 80418

Ion Ratio Lower Upper

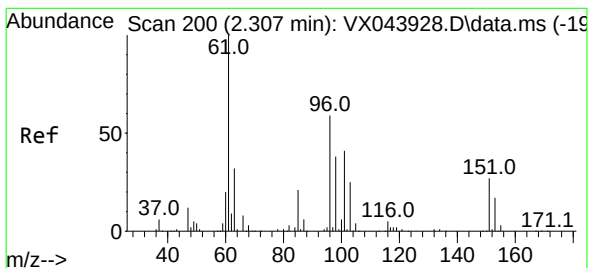
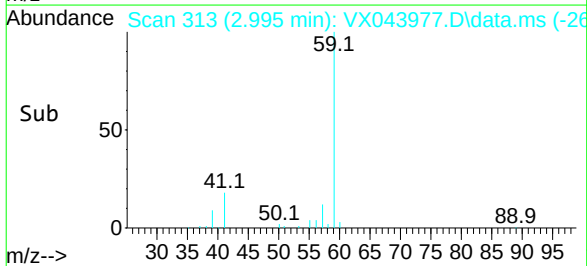
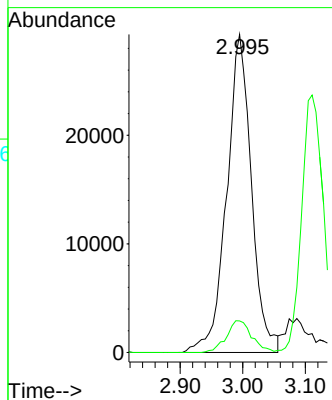
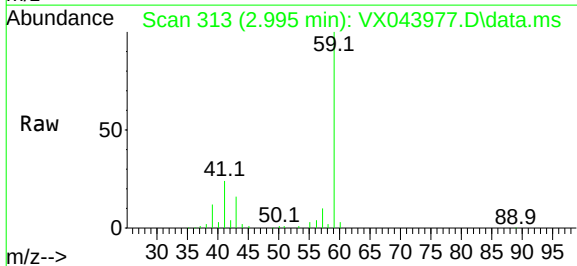
59 100

57 10.3 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#12

1,1-Dichloroethene

Concen: 46.080 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

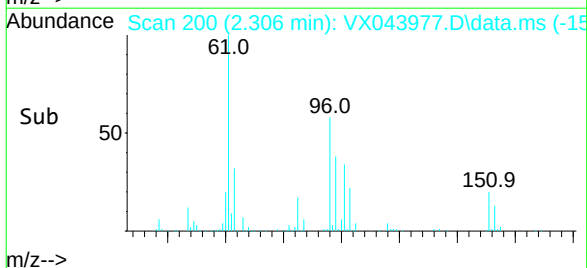
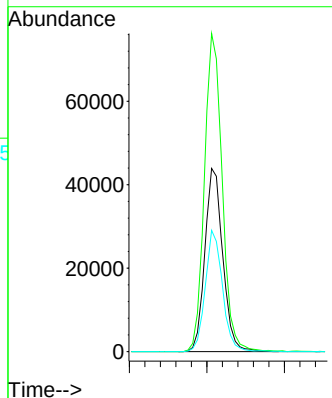
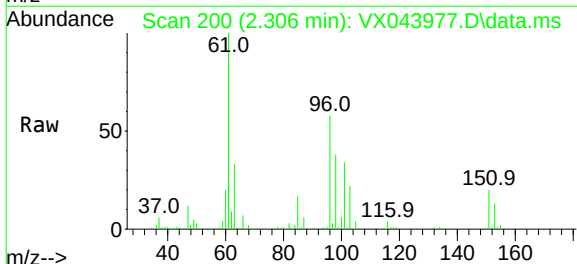
Tgt Ion: 96 Resp: 70387

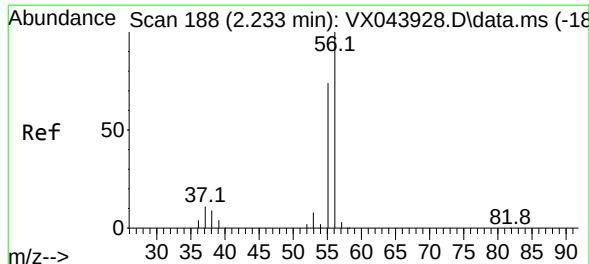
Ion Ratio Lower Upper

96 100

61 173.6 135.5 203.3

98 66.2 50.8 76.2





#13

Acrolein

Concen: 224.411 ug/l

RT: 2.233 min Scan# 18

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 86322

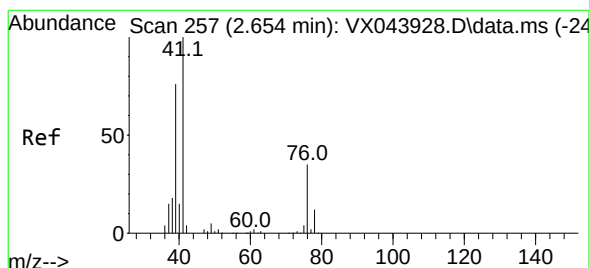
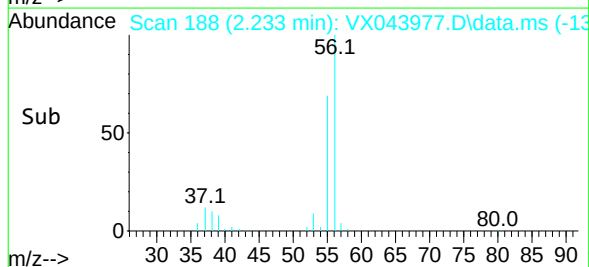
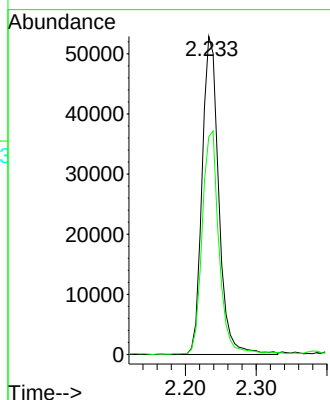
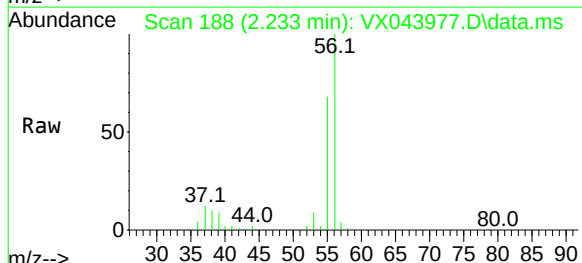
Ion Ratio Lower Upper

56 100

55 71.2 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#14

Allyl chloride

Concen: 47.063 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

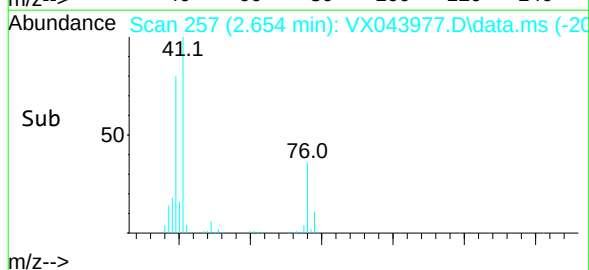
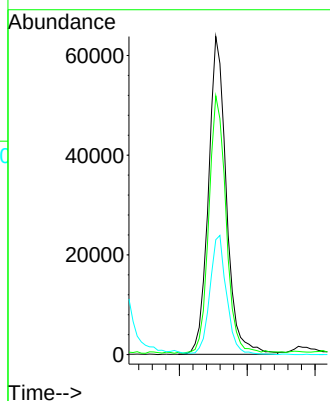
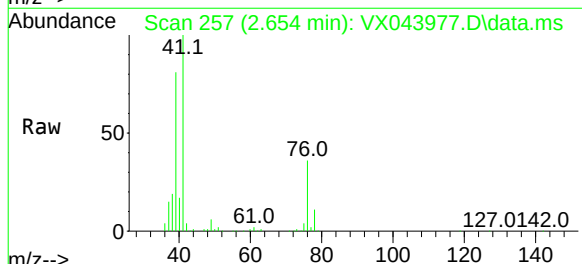
Tgt Ion: 41 Resp: 117463

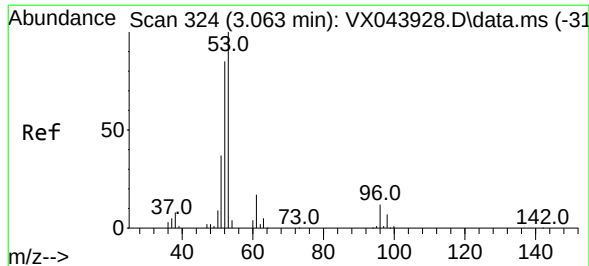
Ion Ratio Lower Upper

41 100

39 76.9 59.5 89.3

76 34.8 27.4 41.2





#15

Acrylonitrile

Concen: 239.244 ug/l

RT: 3.062 min Scan# 324

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

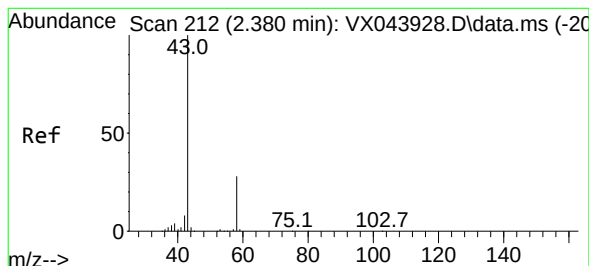
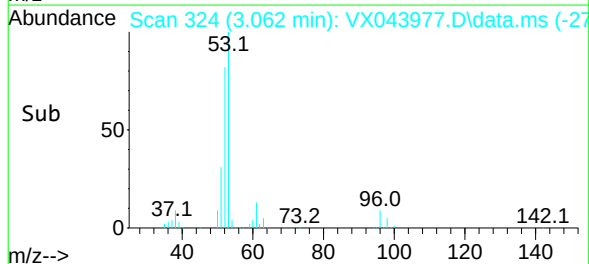
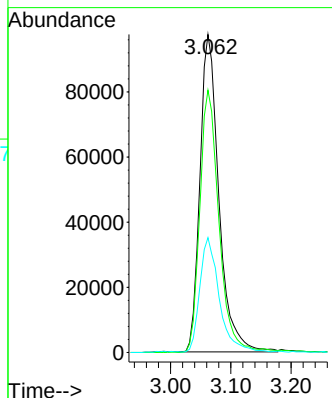
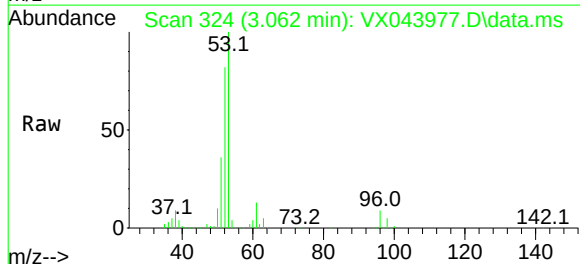
Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 53    | Resp: | 212767 |
| Ion      | Ratio | Lower | Upper  |
| 53       | 100   |       |        |
| 52       | 84.6  | 66.5  | 99.7   |
| 51       | 36.8  | 30.2  | 45.4   |

**Manual Integrations**  
**APPROVED**Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#16

Acetone

Concen: 228.890 ug/l

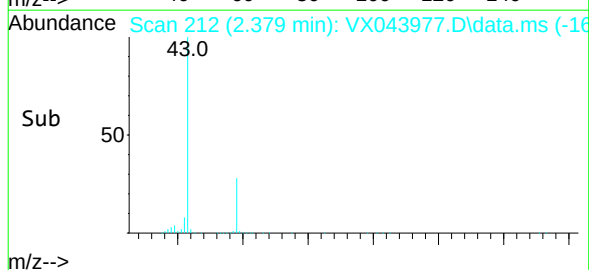
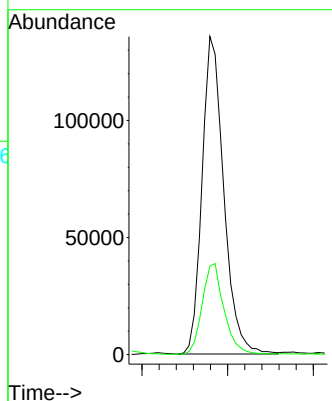
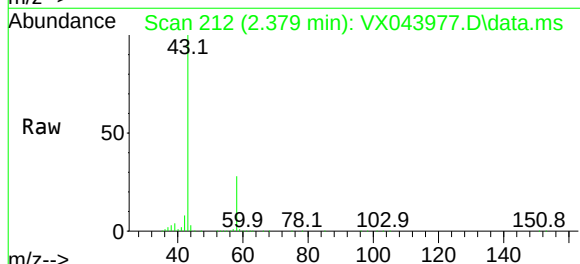
RT: 2.379 min Scan# 212

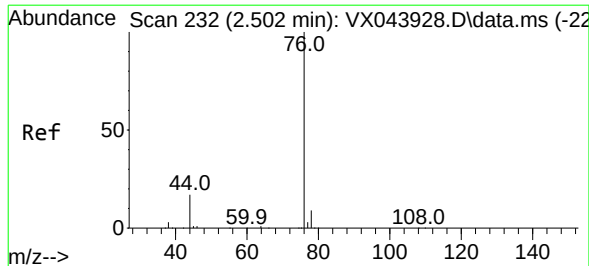
Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 43    | Resp: | 239021 |
| Ion      | Ratio | Lower | Upper  |
| 43       | 100   |       |        |
| 58       | 27.7  | 22.7  | 34.1   |





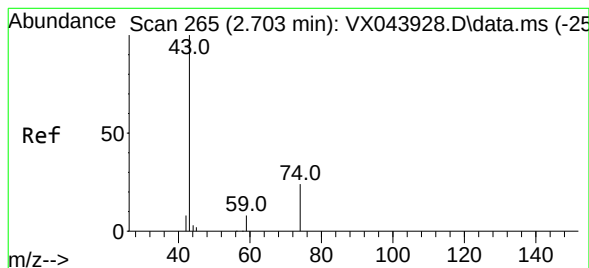
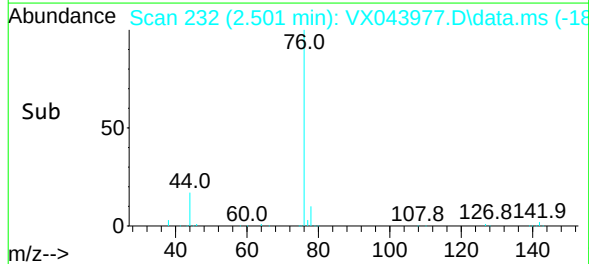
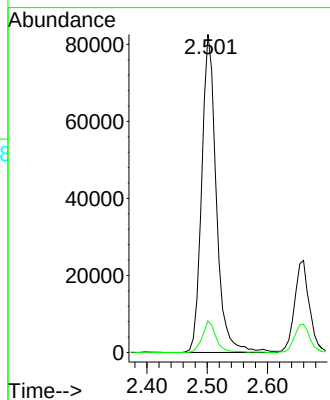
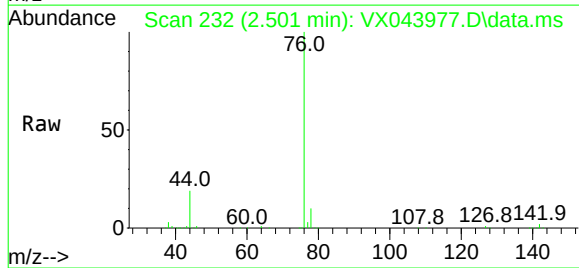
#17  
Carbon Disulfide  
Concen: 44.155 ug/l  
RT: 2.501 min Scan# 231  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 76 Resp: 139122  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.0 10.6

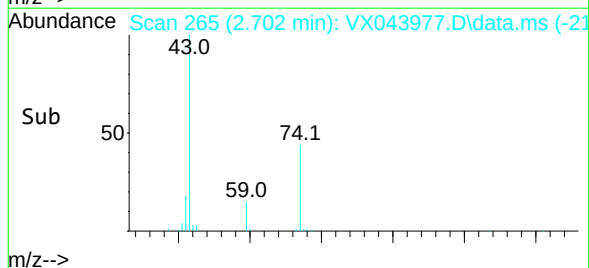
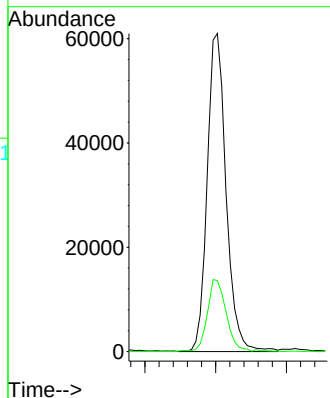
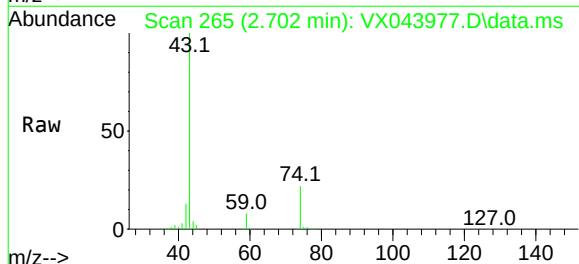
Manual Integrations  
APPROVED

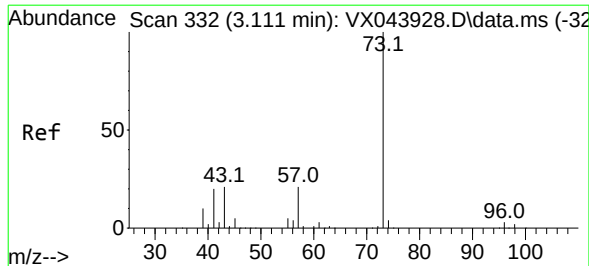
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#18  
Methyl Acetate  
Concen: 46.531 ug/l  
RT: 2.702 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 113156  
Ion Ratio Lower Upper  
43 100  
74 22.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.373 ug/l

RT: 3.111 min Scan# 33

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 268289

Ion Ratio Lower Upper

73 100

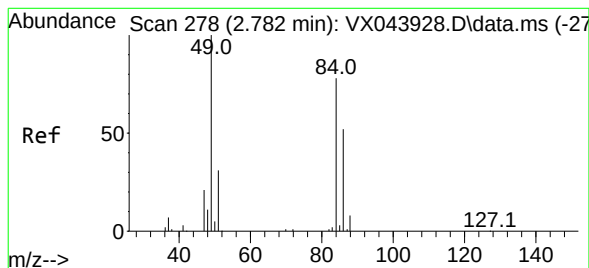
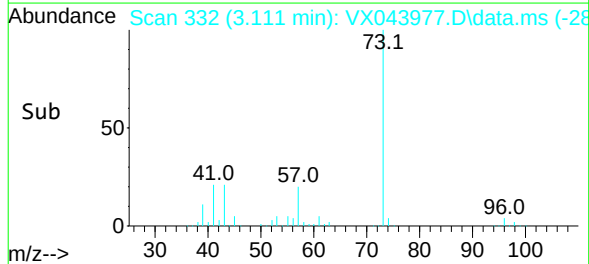
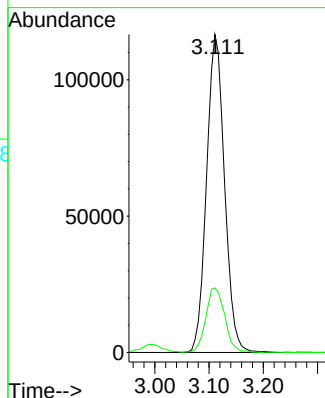
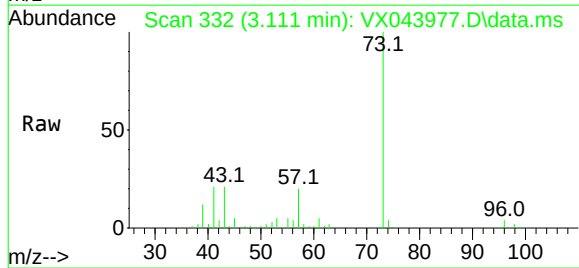
57 20.2 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#20

Methylene Chloride

Concen: 46.719 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Tgt Ion: 84 Resp: 82791

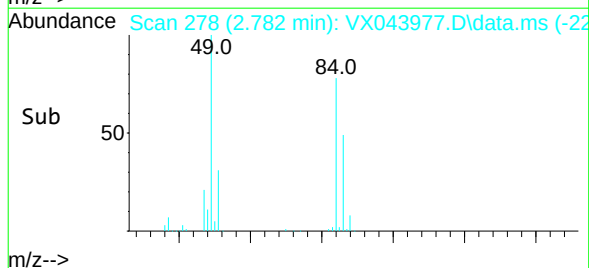
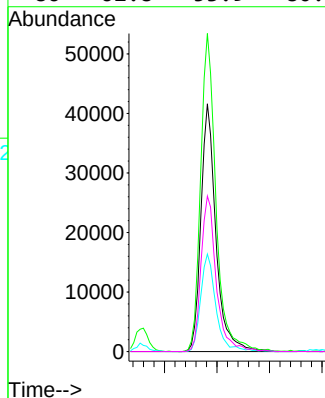
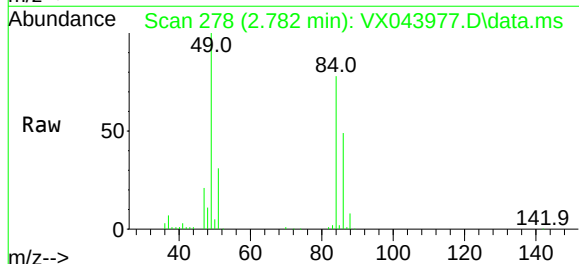
Ion Ratio Lower Upper

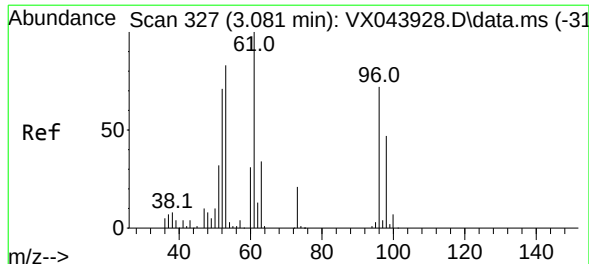
84 100

49 128.3 102.7 154.1

51 39.3 31.7 47.5

86 62.8 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 47.034 ug/l

RT: 3.080 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043977.D

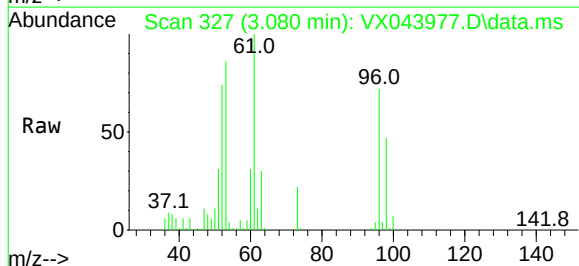
Acq: 25 Nov 2024 11:27

Instrument :

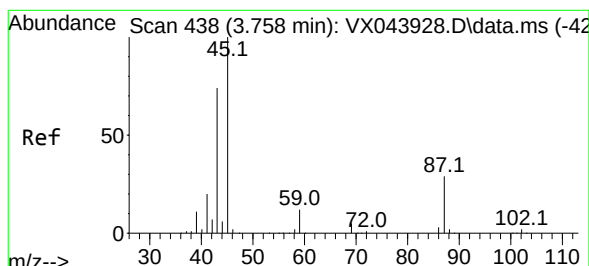
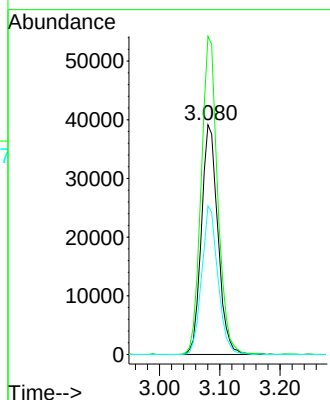
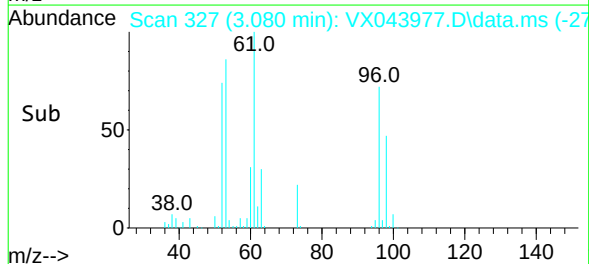
MSVOA\_X

ClientSampleId :

VSTDCCC050



| Tgt Ion: | 96    | Resp: | 74174 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 138.5 | 111.8 | 167.6 |
| 98       | 64.6  | 52.7  | 79.1  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#22

Diisopropyl ether

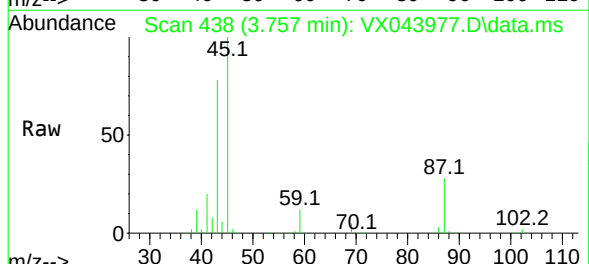
Concen: 49.207 ug/l

RT: 3.757 min Scan# 438

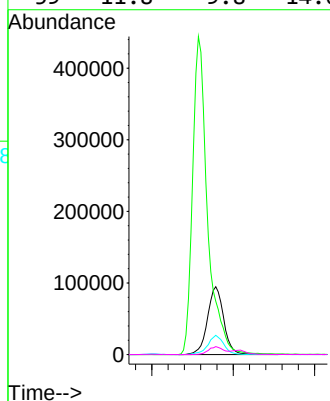
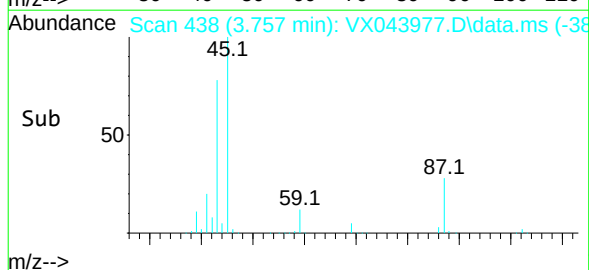
Delta R.T. -0.000 min

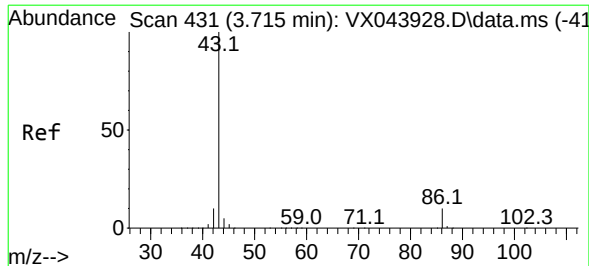
Lab File: VX043977.D

Acq: 25 Nov 2024 11:27



| Tgt Ion: | 45    | Resp: | 262616 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 45       | 100   |       |        |
| 43       | 78.3  | 59.6  | 89.4   |
| 87       | 28.3  | 22.9  | 34.3   |
| 59       | 11.8  | 9.8   | 14.6   |





#23

Vinyl Acetate

Concen: 248.374 ug/l

RT: 3.714 min Scan# 43

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 1133947

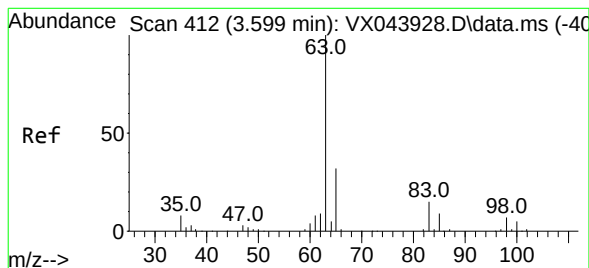
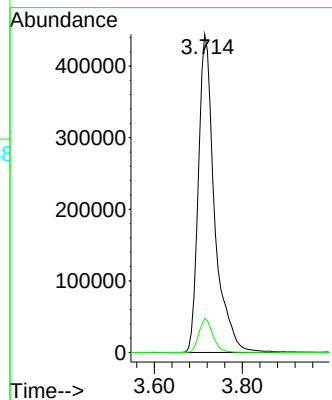
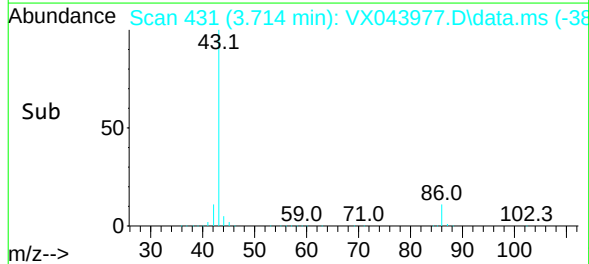
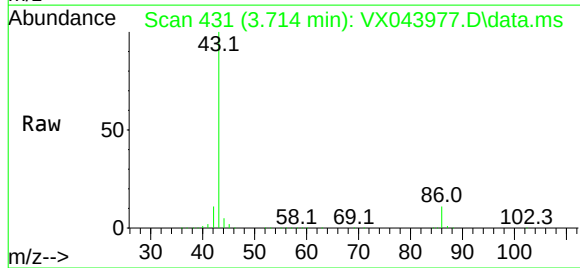
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 10.7  | 8.3   | 12.5  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#24

1,1-Dichloroethane

Concen: 48.697 ug/l

RT: 3.605 min Scan# 413

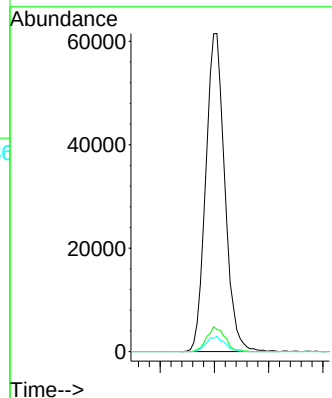
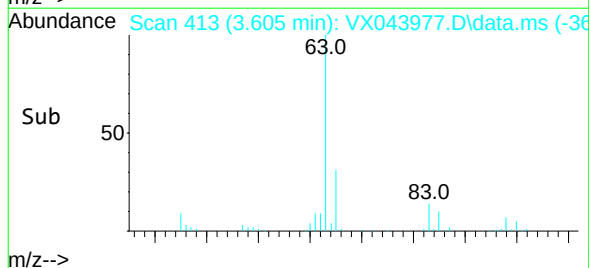
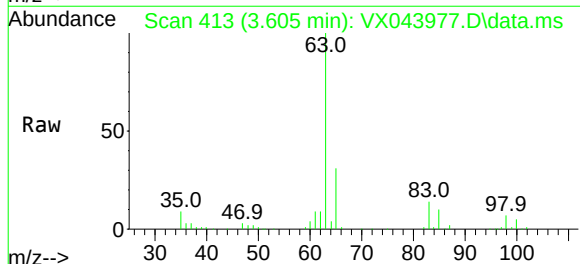
Delta R.T. 0.006 min

Lab File: VX043977.D

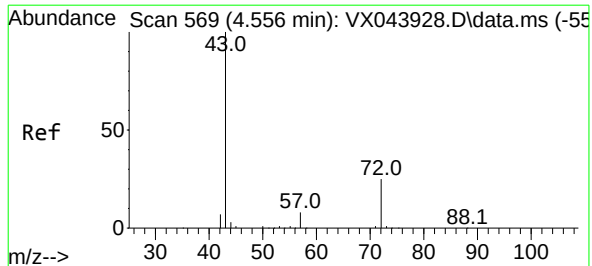
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 149933

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 6.9   | 3.5   | 10.6  |
| 100 | 4.8   | 2.4   | 7.1   |







#25

2-Butanone

Concen: 236.327 ug/l

RT: 4.556 min Scan# 569

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 318432

Ion Ratio Lower Upper

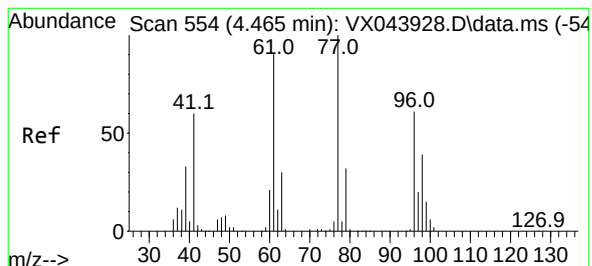
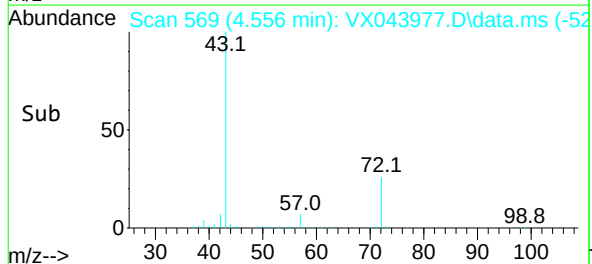
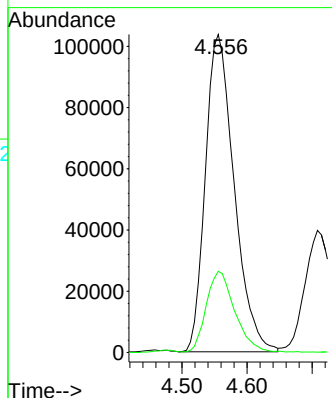
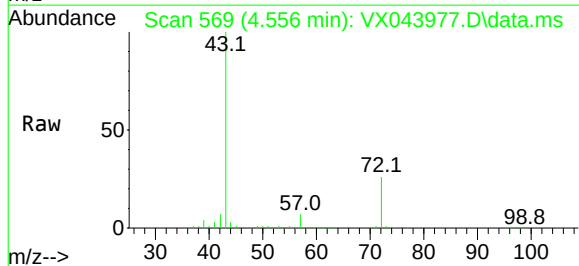
43 100

72 25.3 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#26

2,2-Dichloropropane

Concen: 47.384 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043977.D

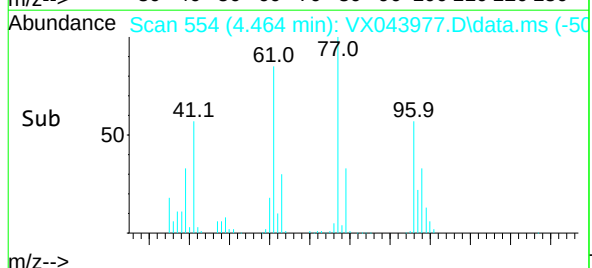
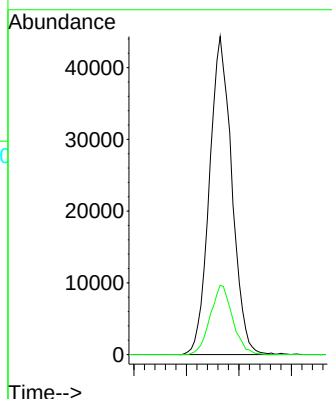
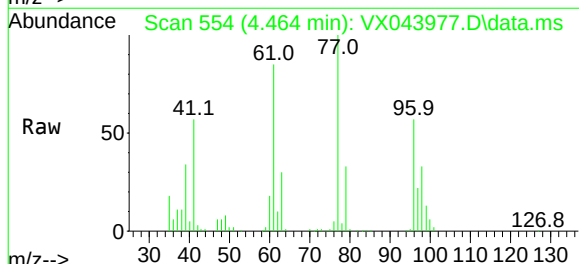
Acq: 25 Nov 2024 11:27

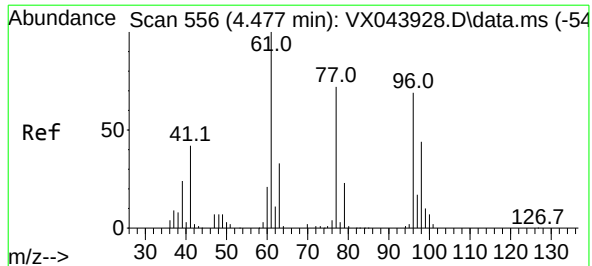
Tgt Ion: 77 Resp: 131754

Ion Ratio Lower Upper

77 100

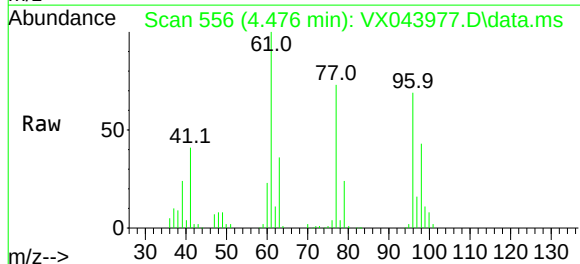
97 21.7 10.8 32.3





#27  
cis-1,2-Dichloroethene  
Concen: 48.444 ug/l  
RT: 4.476 min Scan# 556  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

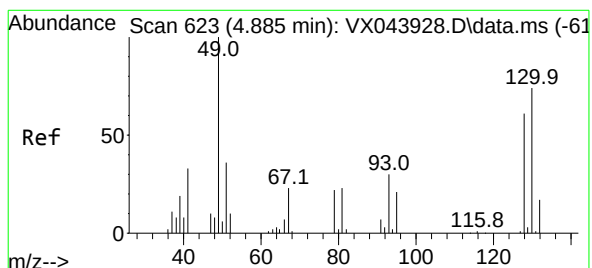
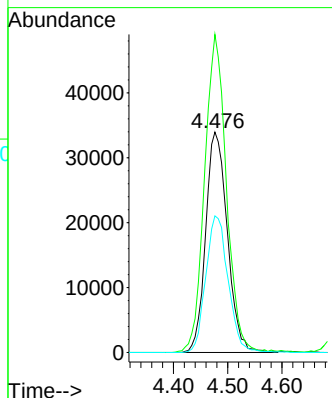
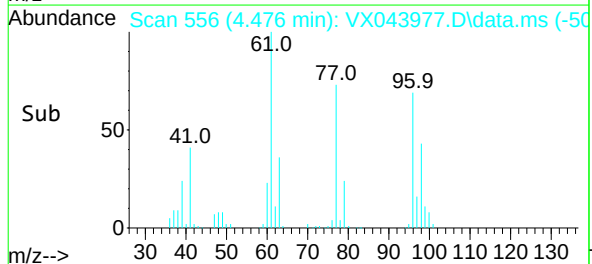
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 96 Resp: 94434  
Ion Ratio Lower Upper  
96 100  
61 145.0 0.0 297.4  
98 63.8 0.0 127.8

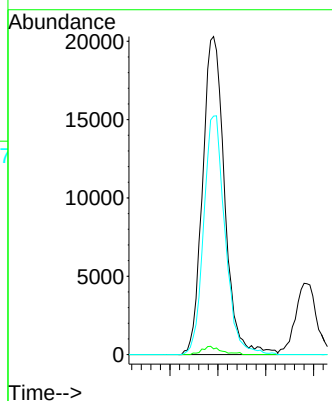
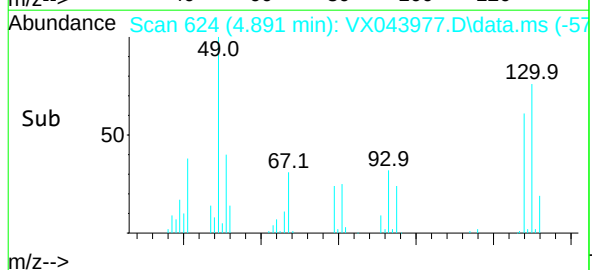
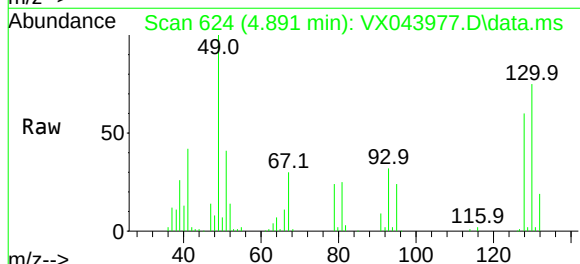
Manual Integrations  
APPROVED

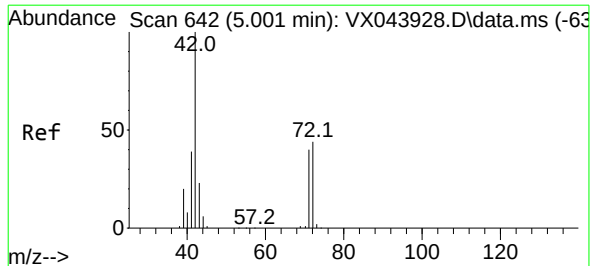
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#28  
Bromochloromethane  
Concen: 47.856 ug/l  
RT: 4.891 min Scan# 624  
Delta R.T. 0.006 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 49 Resp: 64856  
Ion Ratio Lower Upper  
49 100  
129 2.1 0.0 4.0  
130 72.8 59.0 88.6





#29

Tetrahydrofuran

Concen: 232.975 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 192450

Ion Ratio Lower Upper

42 100

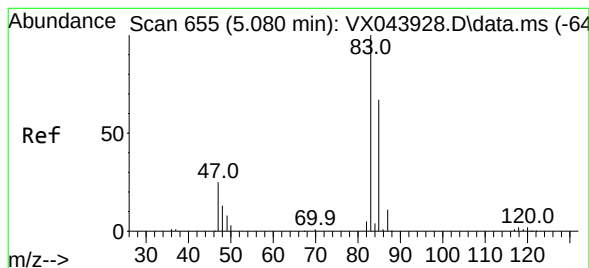
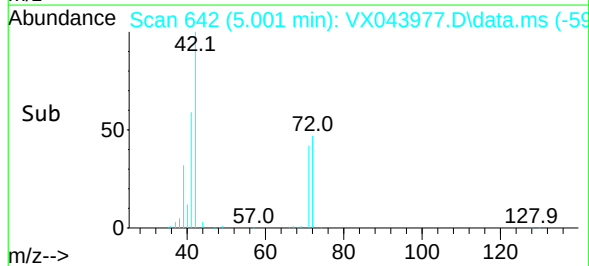
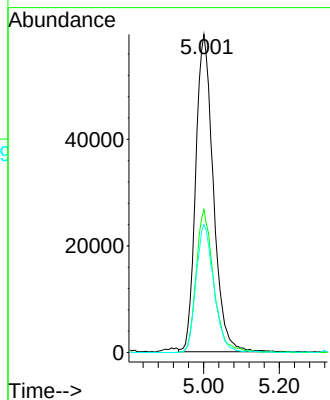
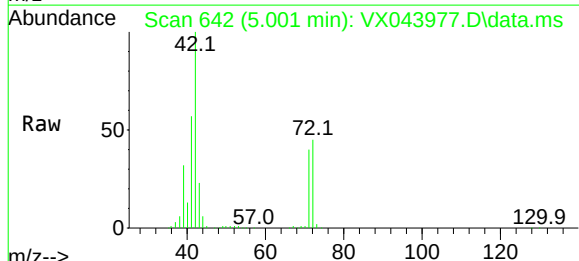
72 44.6 36.4 54.6

71 40.5 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#30

Chloroform

Concen: 49.337 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043977.D

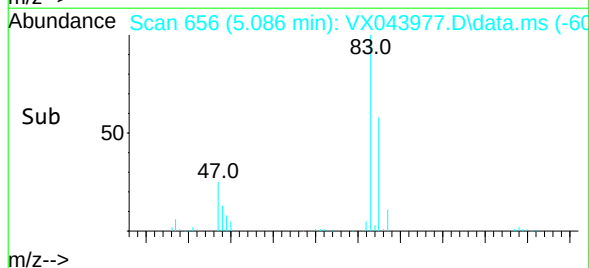
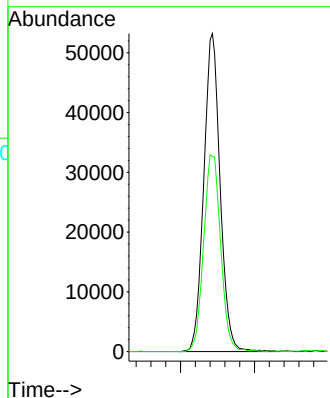
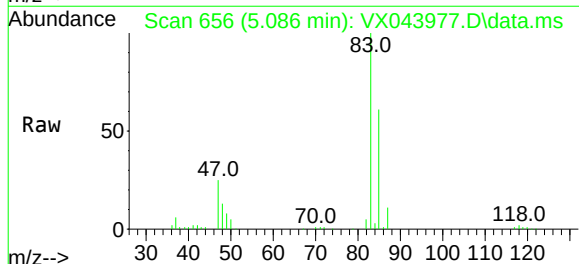
Acq: 25 Nov 2024 11:27

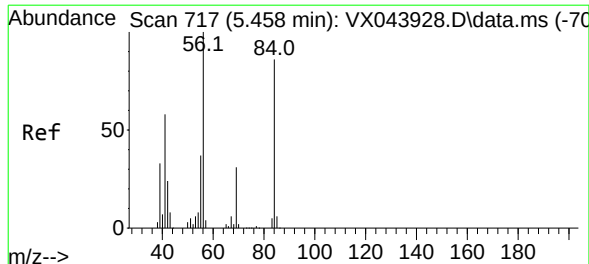
Tgt Ion: 83 Resp: 163376

Ion Ratio Lower Upper

83 100

85 61.2 53.5 80.3





#31

Cyclohexane

Concen: 46.218 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 117118

Ion Ratio Lower Upper

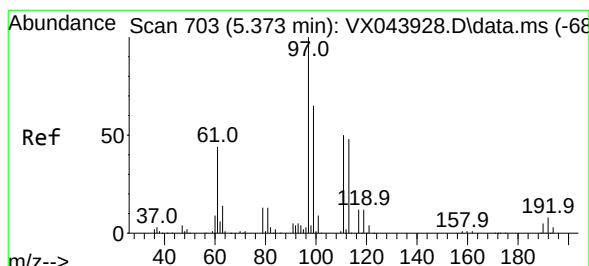
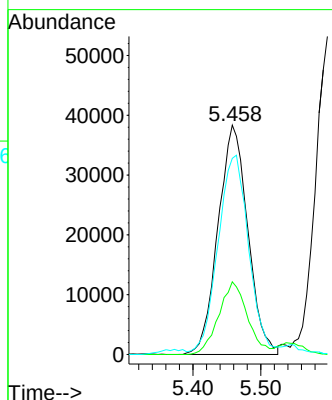
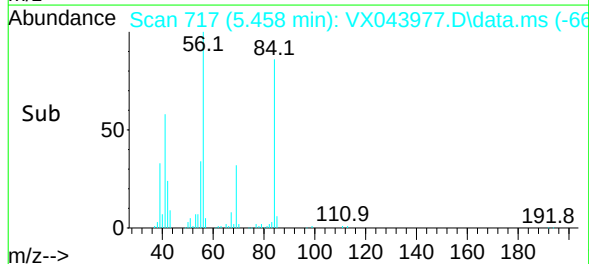
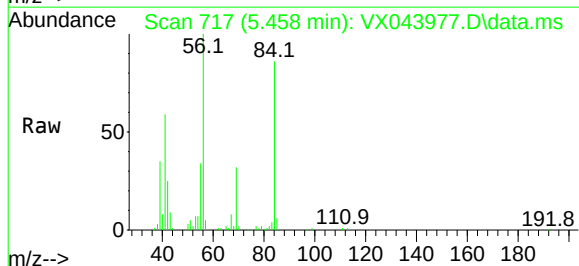
56 100

69 31.7 24.7 37.1

84 83.9 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#32

1,1,1-Trichloroethane

Concen: 49.023 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

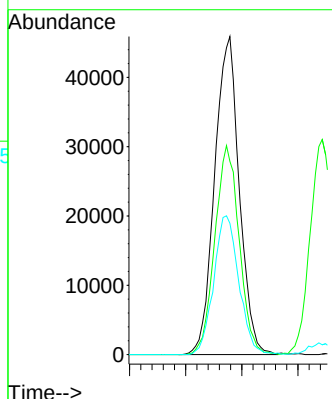
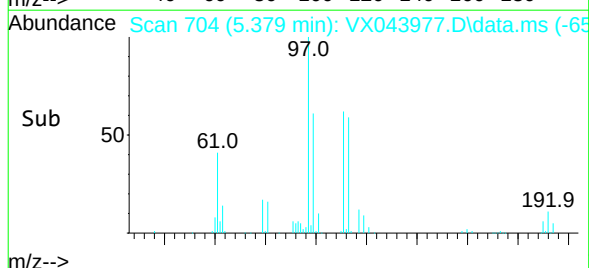
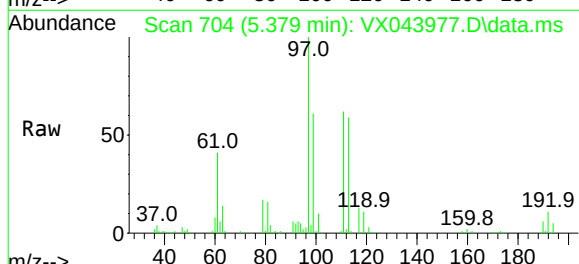
Tgt Ion: 97 Resp: 139993

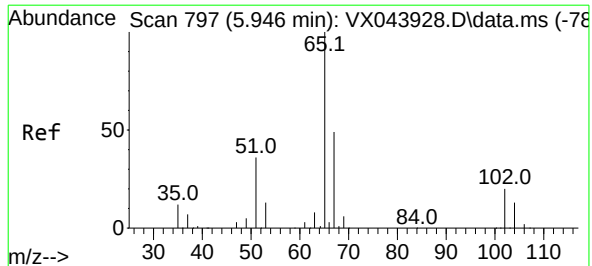
Ion Ratio Lower Upper

97 100

99 64.9 50.8 76.2

61 44.6 35.4 53.2





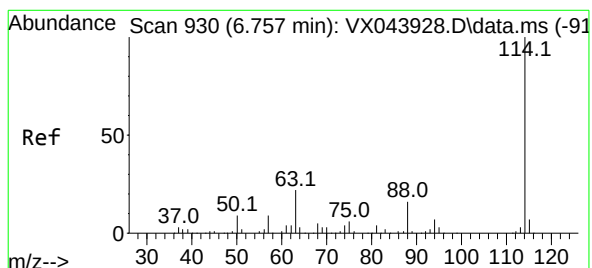
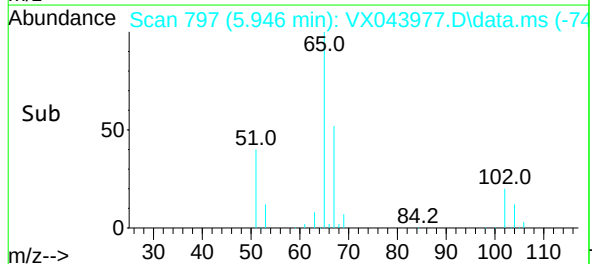
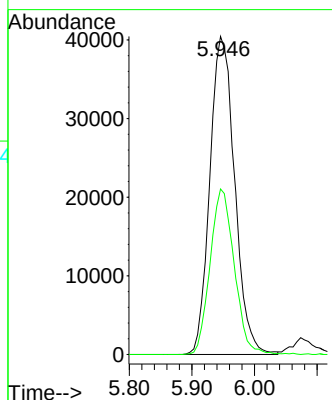
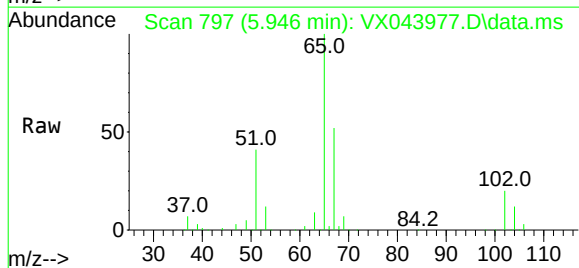
#33  
1,2-Dichloroethane-d4  
Concen: 49.000 ug/l  
RT: 5.946 min Scan# 79  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 65 Resp: 111407  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 100.8

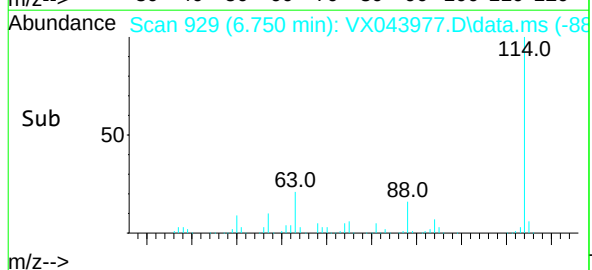
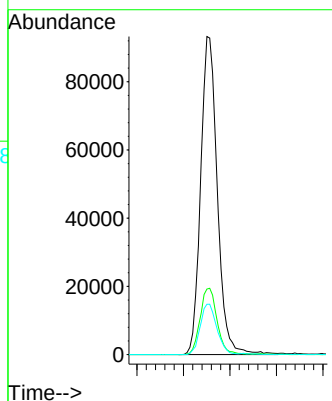
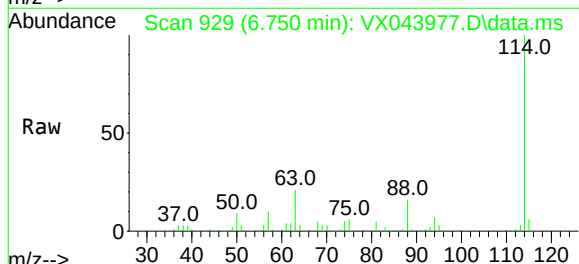
Manual Integrations  
APPROVED

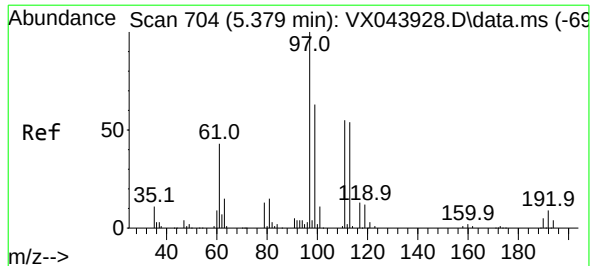
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.750 min Scan# 929  
Delta R.T. -0.007 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion:114 Resp: 232543  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 44.0  
88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.333 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.007 min

Lab File: VX043977.D

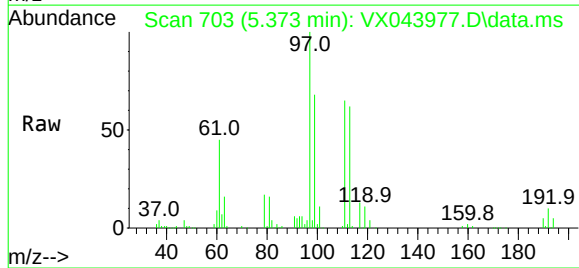
Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

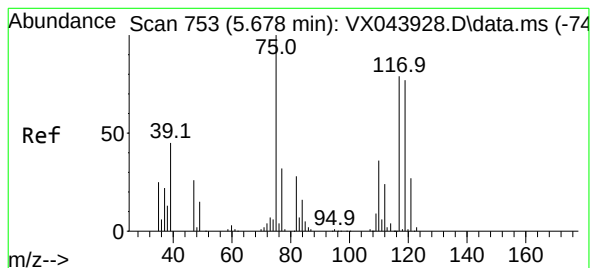
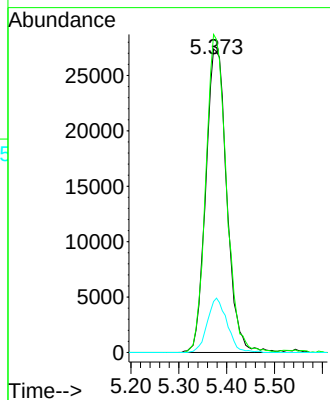
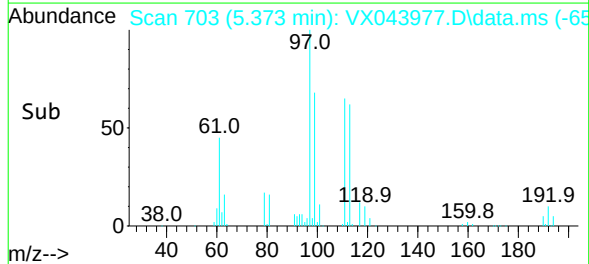
VSTDCCC050



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 83636 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.4 | 81.0  | 121.4 |
| 192      | 16.9  | 13.0  | 19.6  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#36

1,1-Dichloropropene

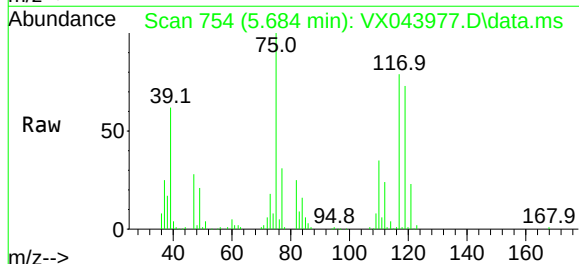
Concen: 49.026 ug/l

RT: 5.684 min Scan# 754

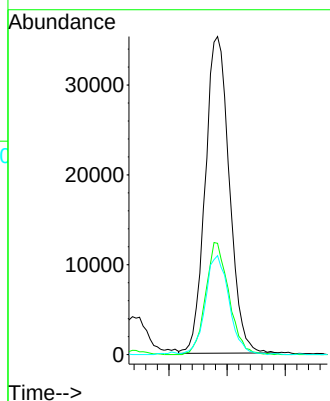
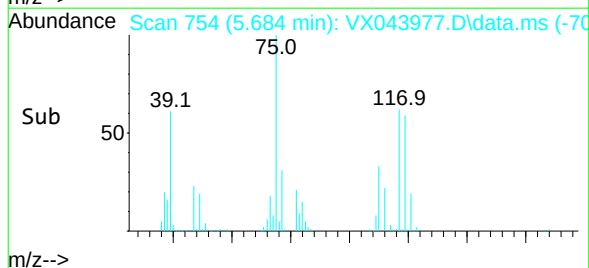
Delta R.T. 0.006 min

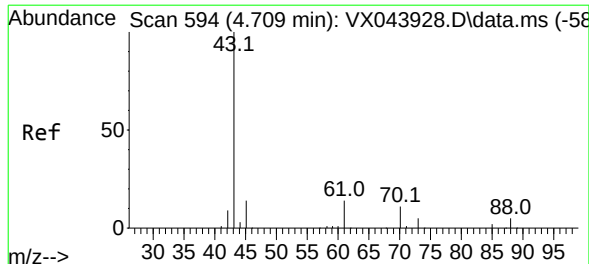
Lab File: VX043977.D

Acq: 25 Nov 2024 11:27



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 75    | Resp: | 101514 |
| Ion      | Ratio | Lower | Upper  |
| 75       | 100   |       |        |
| 110      | 34.1  | 17.4  | 52.2   |
| 77       | 30.9  | 25.8  | 38.8   |





#37

Ethyl Acetate

Concen: 46.278 ug/l

RT: 4.708 min Scan# 59

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 118947

Ion Ratio Lower Upper

43 100

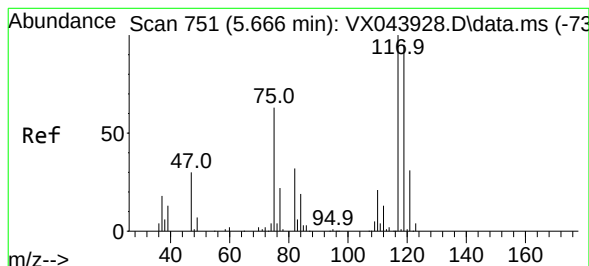
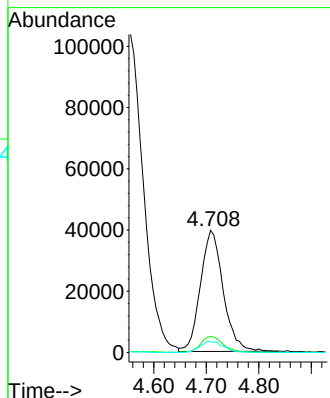
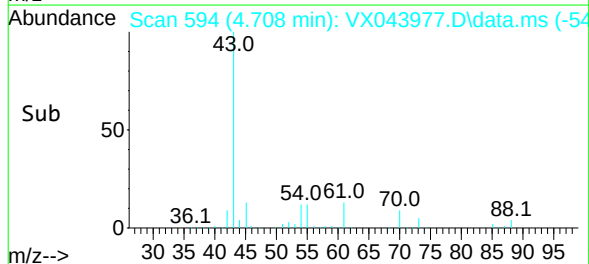
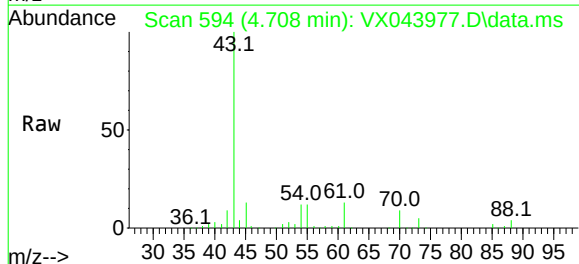
61 12.7 10.7 16.1

70 9.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#38

Carbon Tetrachloride

Concen: 50.716 ug/l

RT: 5.671 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

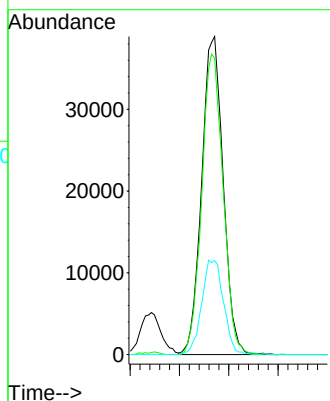
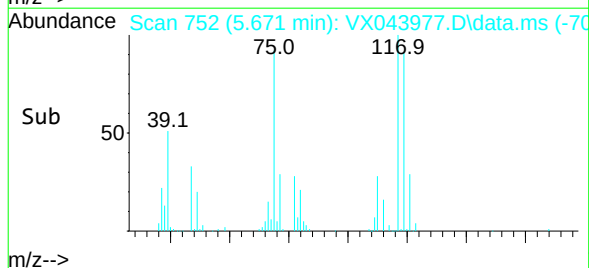
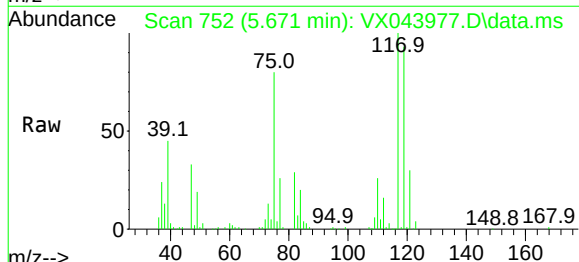
Tgt Ion:117 Resp: 117996

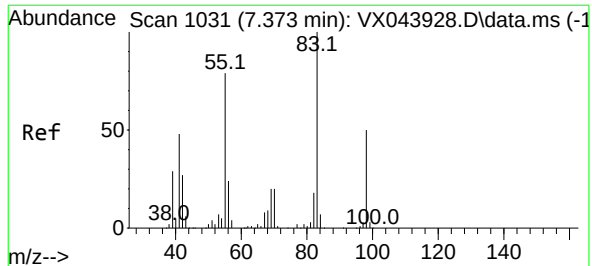
Ion Ratio Lower Upper

117 100

119 93.2 75.2 112.8

121 29.6 24.5 36.7





#39

Methylcyclohexane

Concen: 47.843 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 128697

Ion Ratio Lower Upper

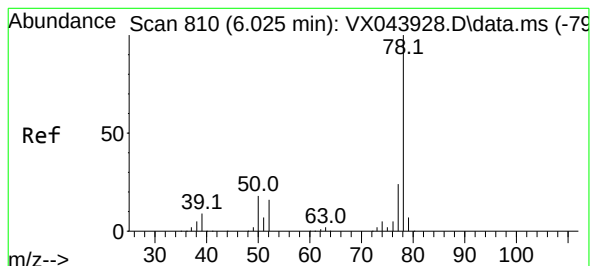
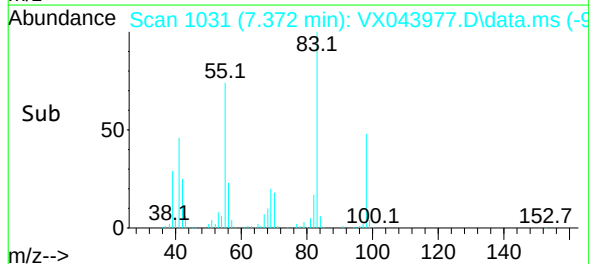
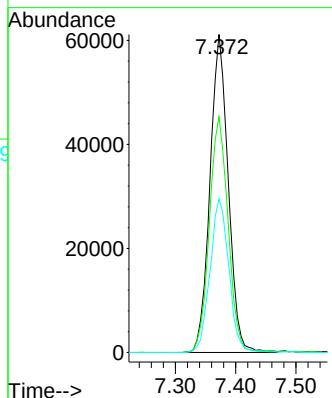
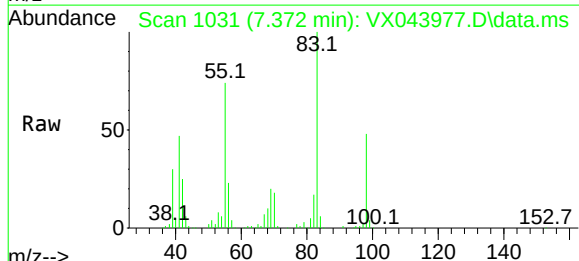
83 100

55 74.2 63.1 94.7

98 48.3 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#40

Benzene

Concen: 48.936 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043977.D

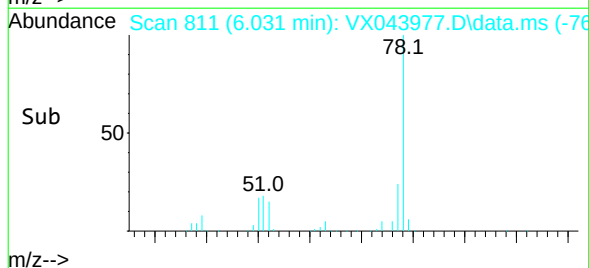
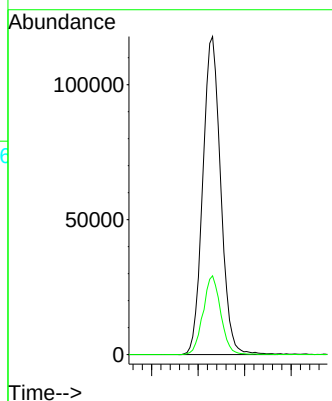
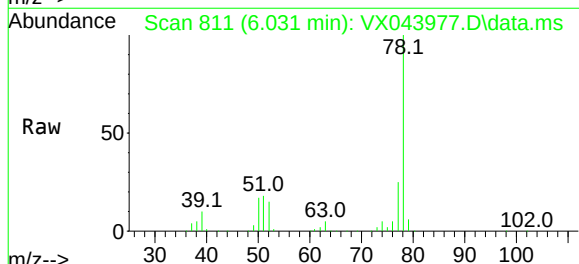
Acq: 25 Nov 2024 11:27

Tgt Ion: 78 Resp: 315624

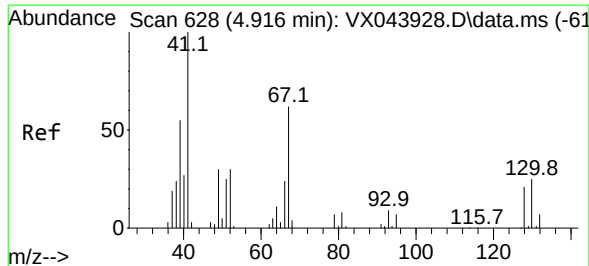
Ion Ratio Lower Upper

78 100

77 24.8 19.2 28.8







#41

Methacrylonitrile

Concen: 48.098 ug/l

RT: 4.915 min Scan# 62

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 41 Resp: 63274

Ion Ratio Lower Upper

41 100

39 57.8 41.7 62.5

67 72.6 55.8 83.8

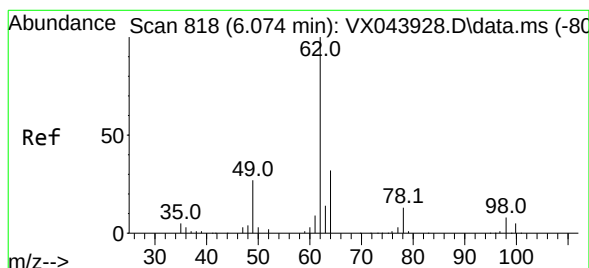
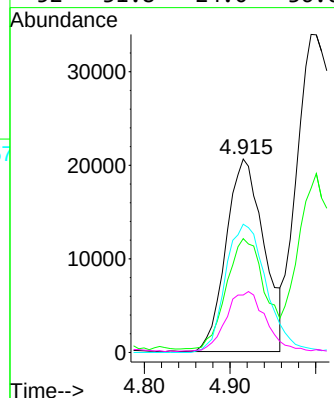
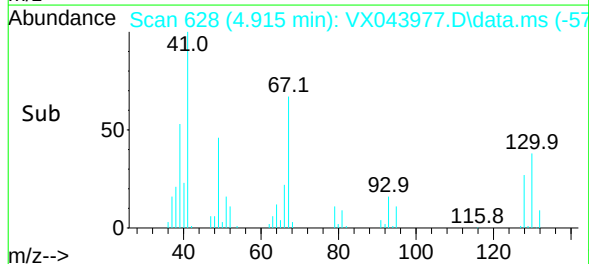
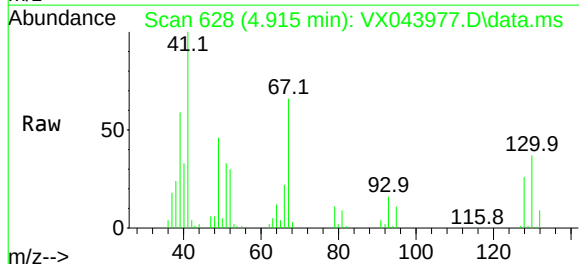
52 31.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#42

1,2-Dichloroethane

Concen: 49.018 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX043977.D

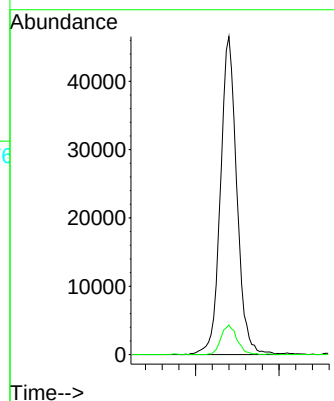
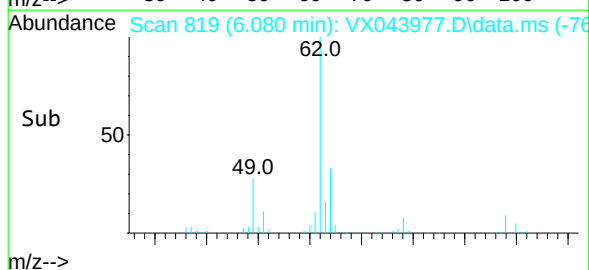
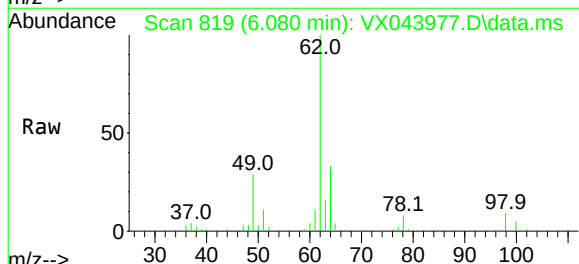
Acq: 25 Nov 2024 11:27

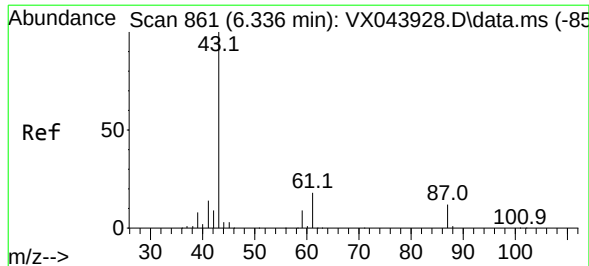
Tgt Ion: 62 Resp: 126975

Ion Ratio Lower Upper

62 100

98 9.1 0.0 16.4





#43

Isopropyl Acetate

Concen: 48.245 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 197344

Ion Ratio Lower Upper

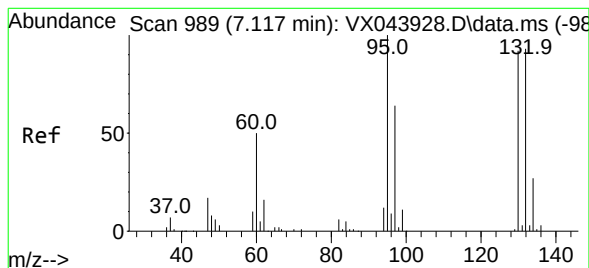
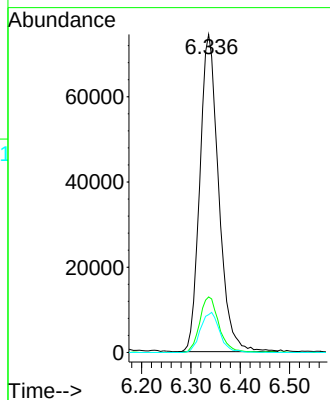
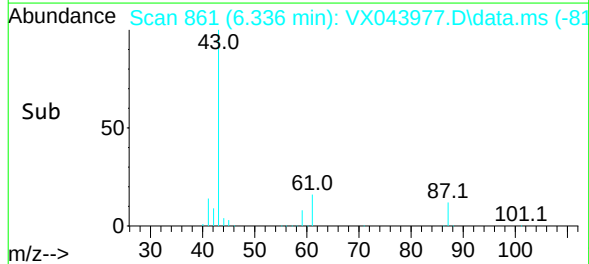
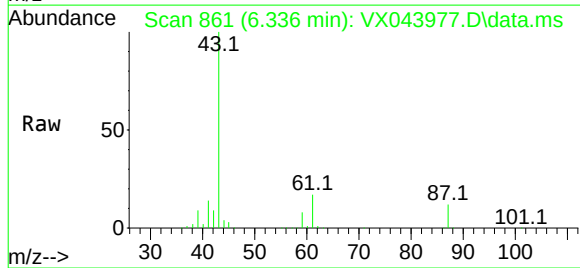
43 100

61 17.9 14.5 21.7

87 12.9 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#44

Trichloroethene

Concen: 42.546 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043977.D

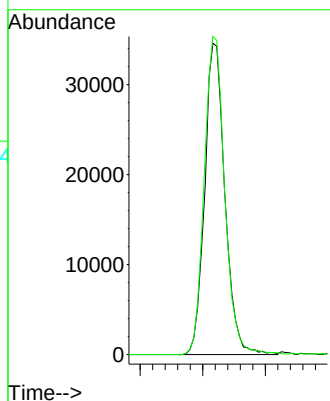
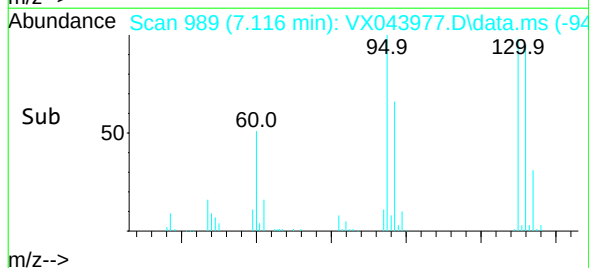
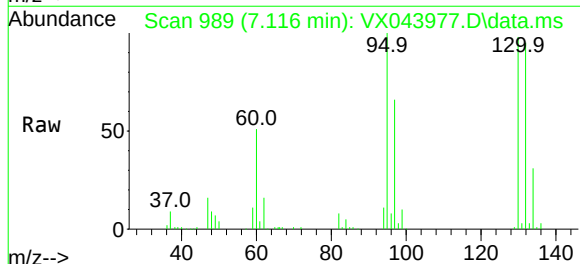
Acq: 25 Nov 2024 11:27

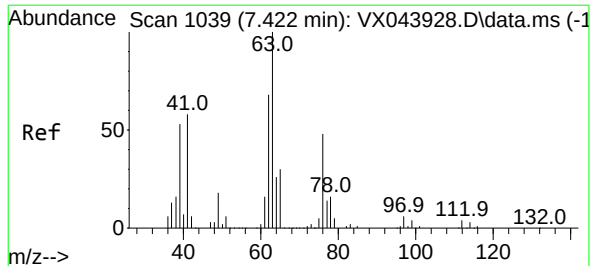
Tgt Ion:130 Resp: 77683

Ion Ratio Lower Upper

130 100

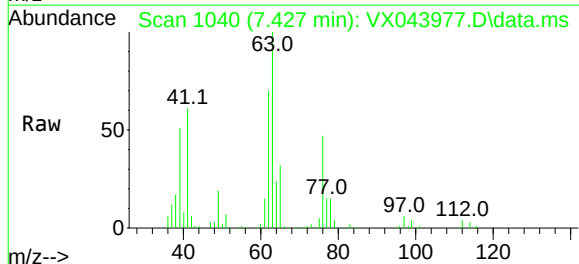
95 102.1 0.0 217.8





#45  
1,2-Dichloropropane  
Concen: 49.890 ug/l  
RT: 7.427 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

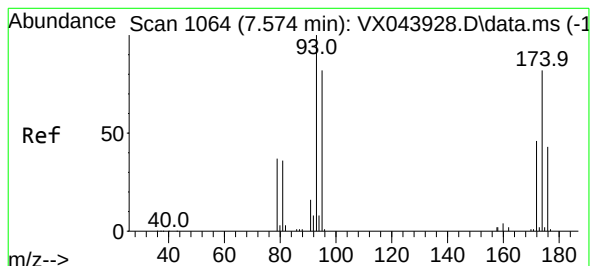
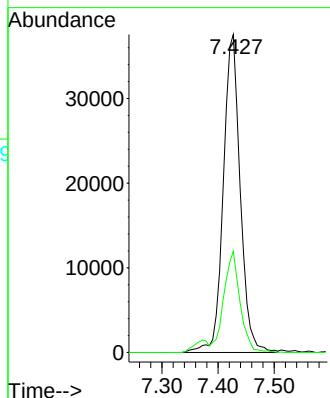
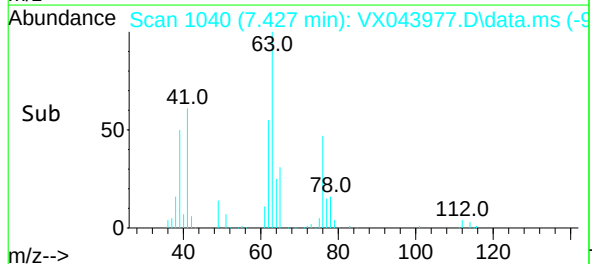
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 63 Resp: 78811  
Ion Ratio Lower Upper  
63 100  
65 31.8 23.8 35.6

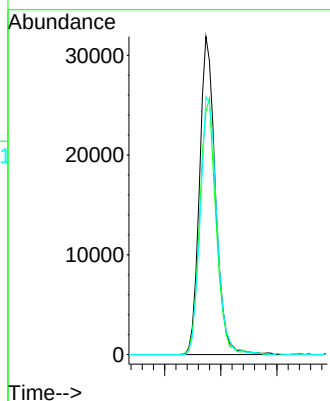
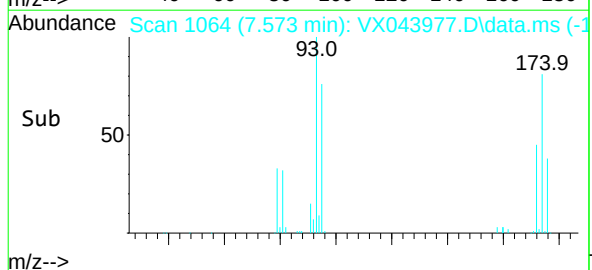
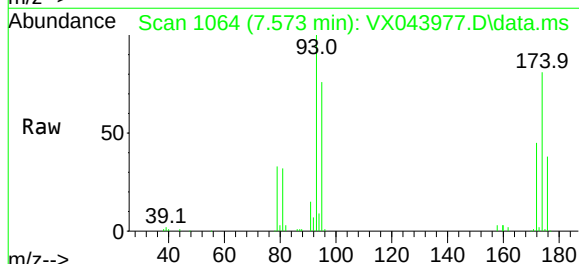
Manual Integrations  
APPROVED

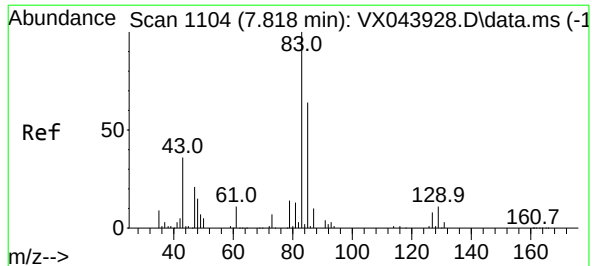
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#46  
Dibromomethane  
Concen: 50.387 ug/l  
RT: 7.573 min Scan# 1064  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

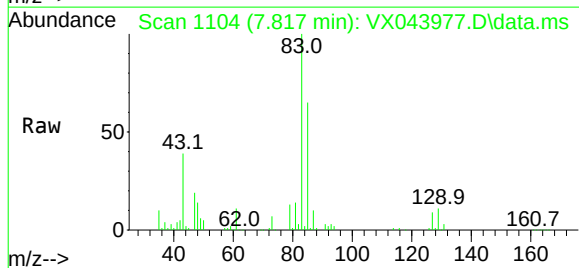
Tgt Ion: 93 Resp: 62964  
Ion Ratio Lower Upper  
93 100  
95 82.3 66.2 99.4  
174 84.6 69.6 104.4





#47  
Bromodichloromethane  
Concen: 51.893 ug/l  
RT: 7.817 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

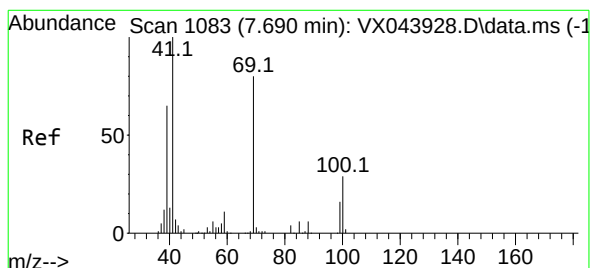
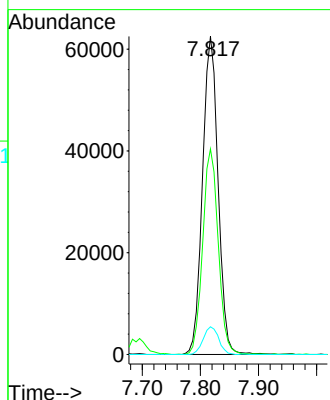
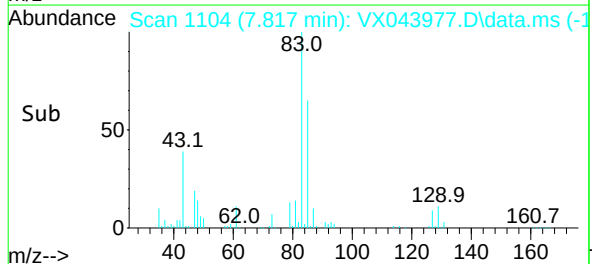
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 83 Resp: 116299  
Ion Ratio Lower Upper  
83 100  
85 64.5 51.4 77.0  
127 8.7 6.6 10.0

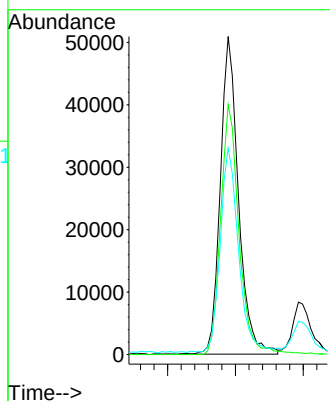
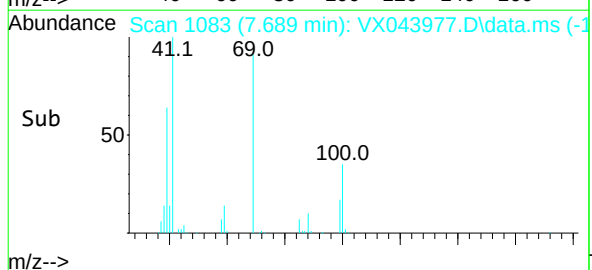
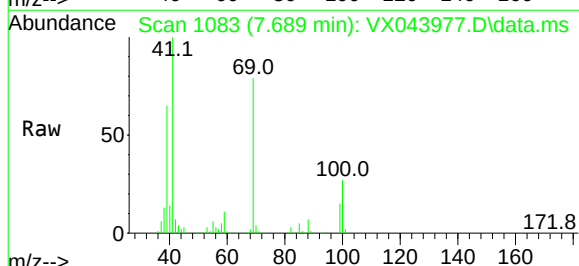
Manual Integrations  
APPROVED

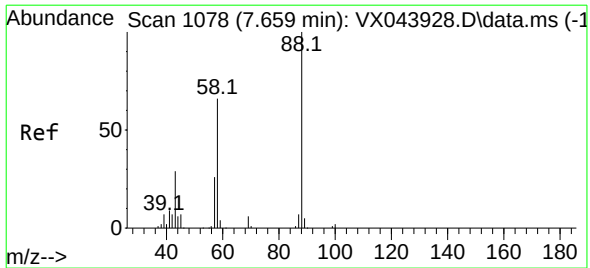
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#48  
Methyl methacrylate  
Concen: 48.244 ug/l  
RT: 7.689 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 94692  
Ion Ratio Lower Upper  
41 100  
69 80.0 64.6 97.0  
39 63.9 53.3 79.9





#49

1,4-Dioxane

Concen: 869.321 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX043977.D

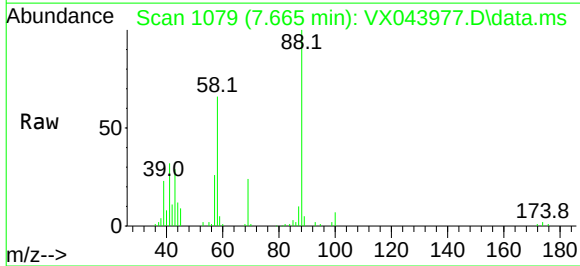
Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 88 Resp: 30394

Ion Ratio Lower Upper

88 100

43 40.1 26.8 40.2

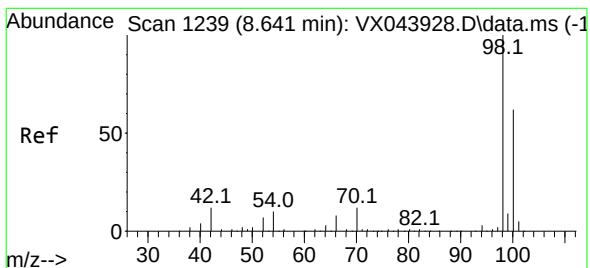
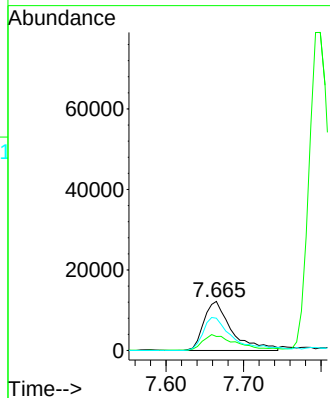
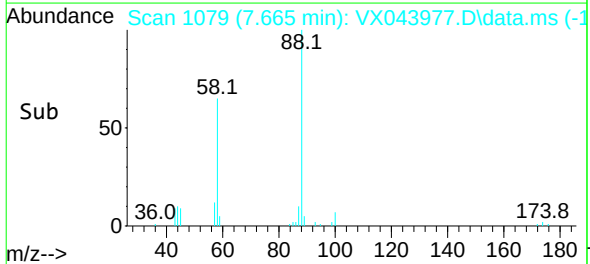
58 71.7 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#50

Toluene-d8

Concen: 49.805 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043977.D

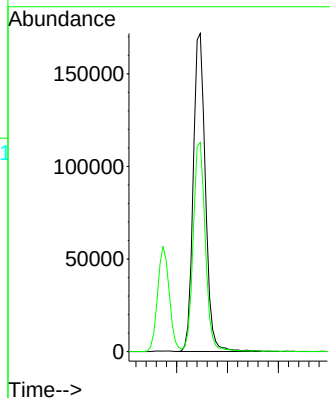
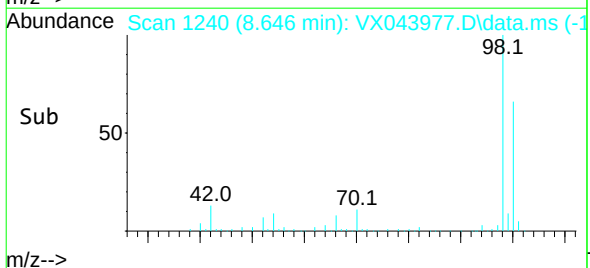
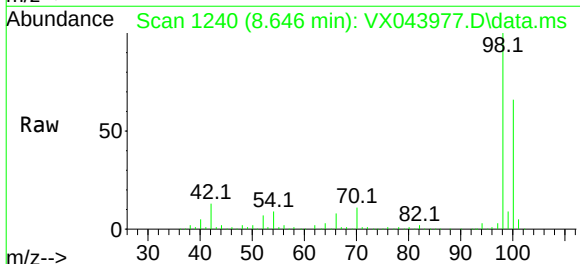
Acq: 25 Nov 2024 11:27

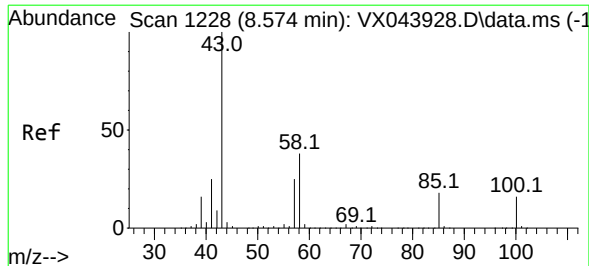
Tgt Ion: 98 Resp: 285275

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 238.823 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 596153

Ion Ratio Lower Upper

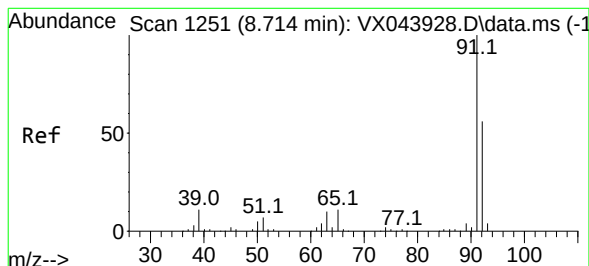
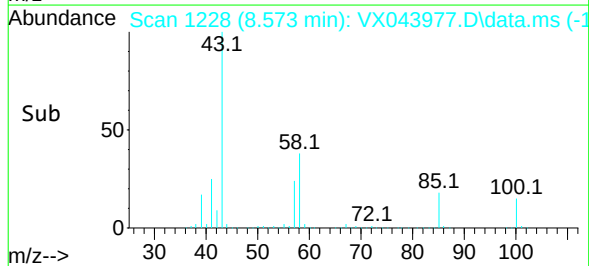
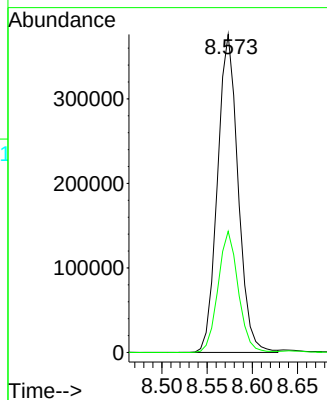
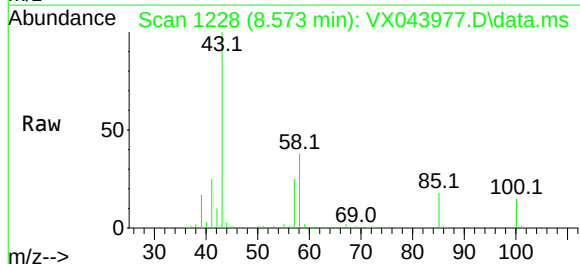
43 100

58 37.5 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#52

Toluene

Concen: 50.022 ug/l

RT: 8.713 min Scan# 1251

Delta R.T. -0.001 min

Lab File: VX043977.D

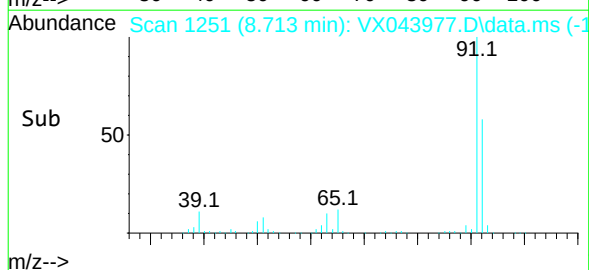
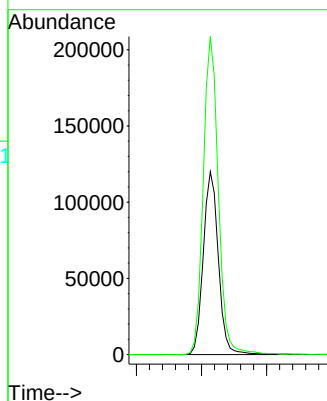
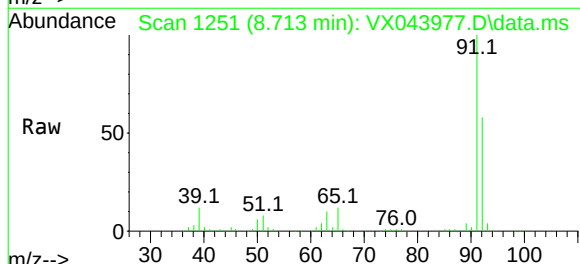
Acq: 25 Nov 2024 11:27

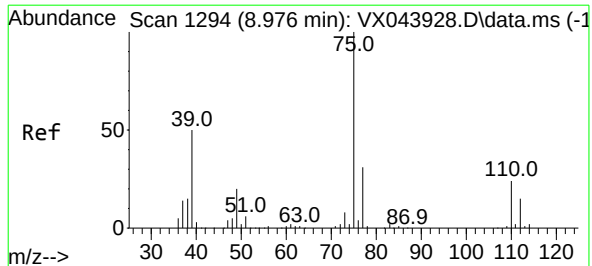
Tgt Ion: 92 Resp: 193103

Ion Ratio Lower Upper

92 100

91 174.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 51.600 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 117928

Ion Ratio Lower Upper

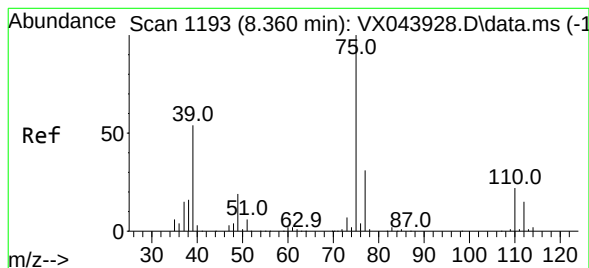
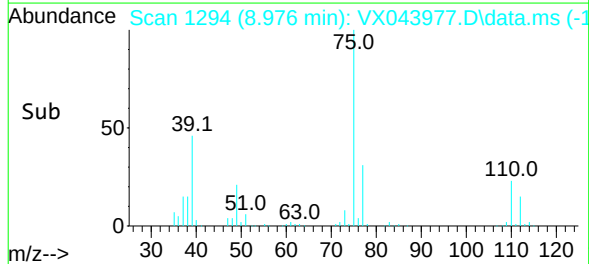
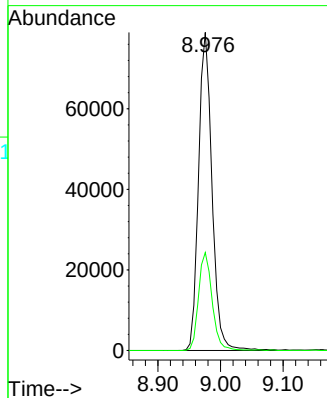
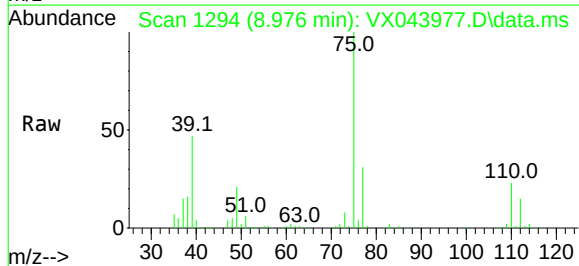
75 100

77 30.8 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#54

cis-1,3-Dichloropropene

Concen: 50.373 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

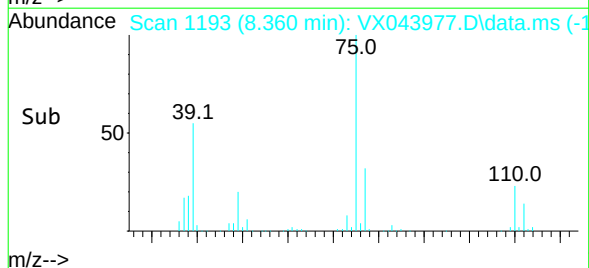
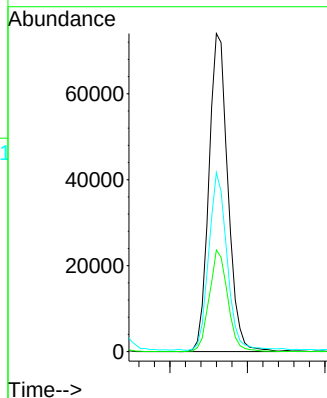
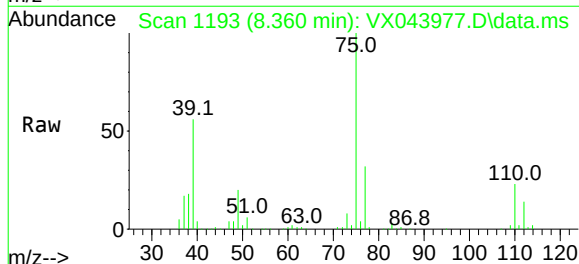
Tgt Ion: 75 Resp: 126204

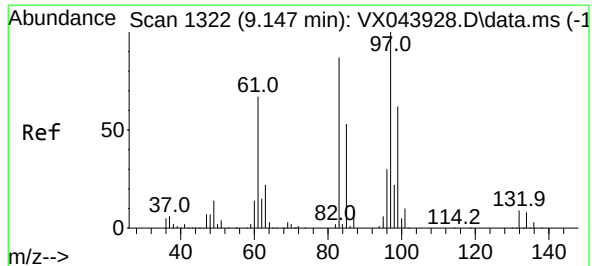
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

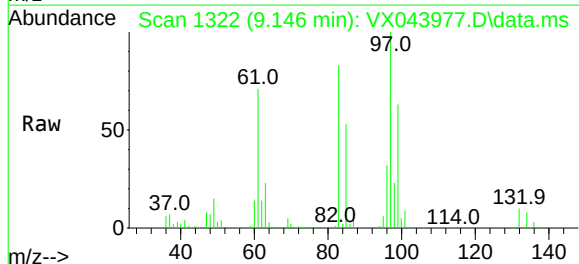
39 55.6 43.1 64.7





#55  
1,1,2-Trichloroethane  
Concen: 49.075 ug/l  
RT: 9.146 min Scan# 1317  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

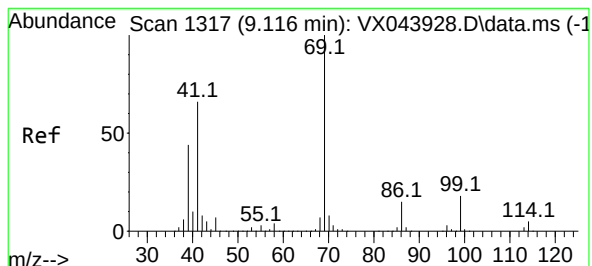
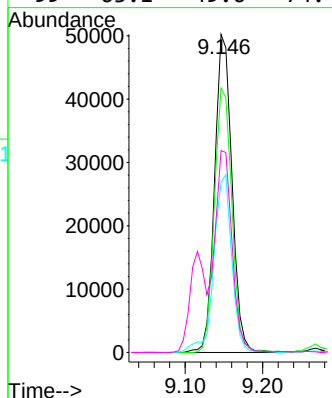
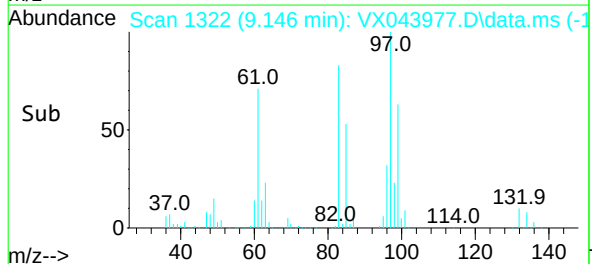
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 97 Resp: 78203  
Ion Ratio Lower Upper  
97 100  
83 83.2 69.4 104.0  
85 53.5 42.3 63.5  
99 63.1 49.6 74.4

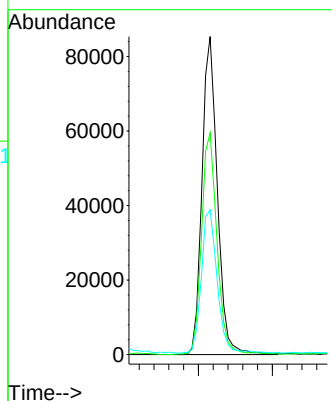
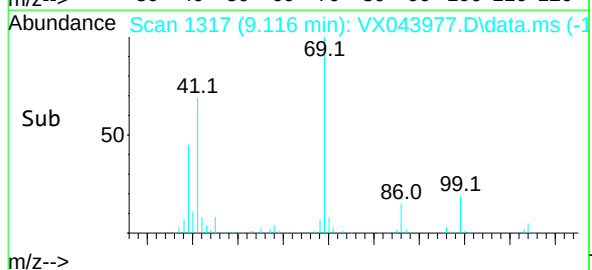
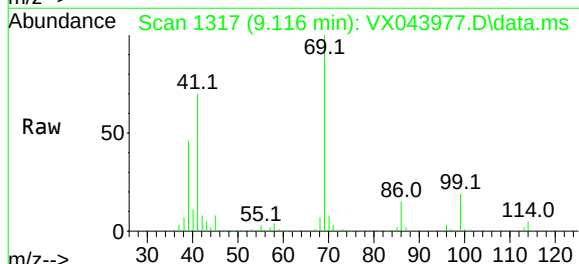
Manual Integrations  
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Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

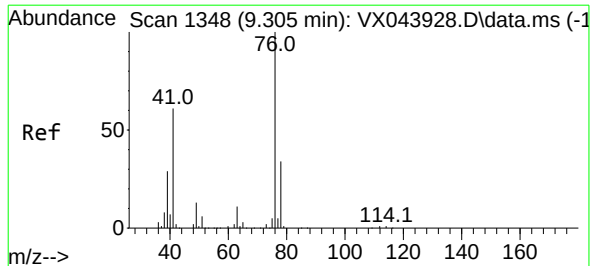


#56  
Ethyl methacrylate  
Concen: 49.531 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 69 Resp: 122941  
Ion Ratio Lower Upper  
69 100  
41 70.7 55.8 83.8  
39 46.5 36.7 55.1







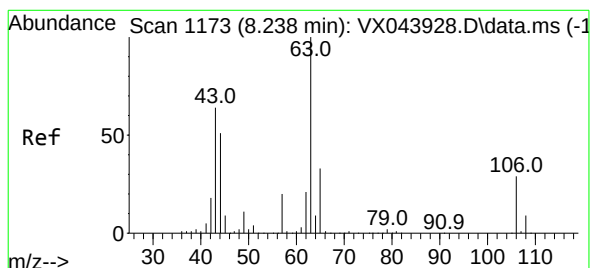
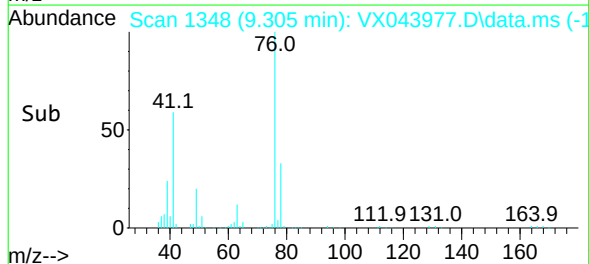
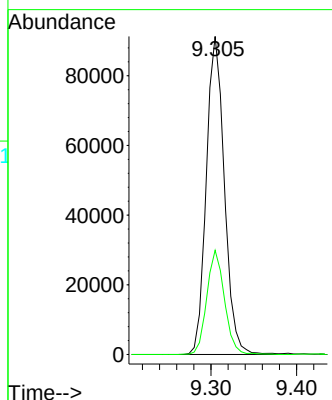
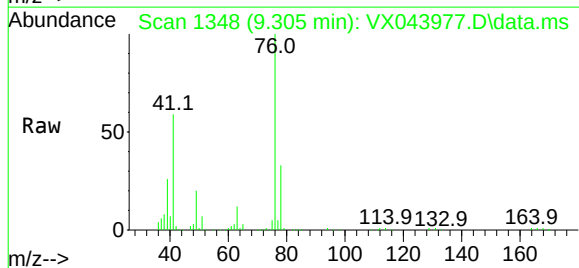
#57  
1,3-Dichloropropane  
Concen: 49.872 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 76 Resp: 133878  
Ion Ratio Lower Upper  
76 100  
78 32.0 26.0 39.0

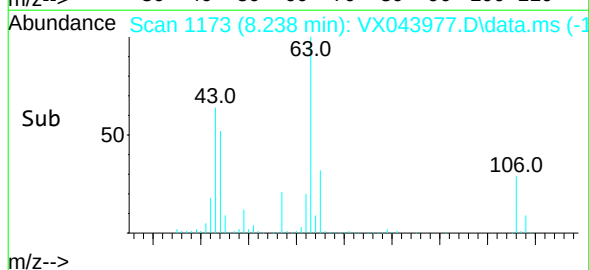
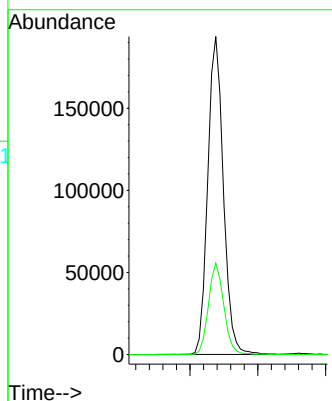
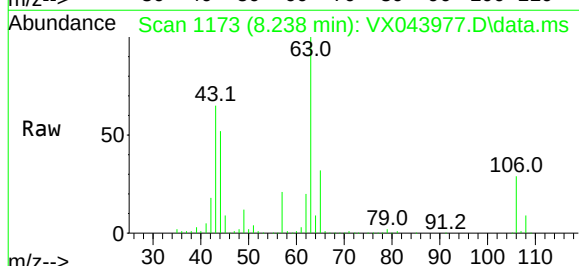
Manual Integrations  
APPROVED

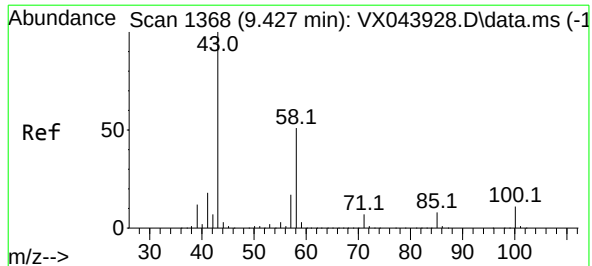
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#58  
2-Chloroethyl Vinyl ether  
Concen: 226.771 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 308826  
Ion Ratio Lower Upper  
63 100  
106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 241.619 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 453336

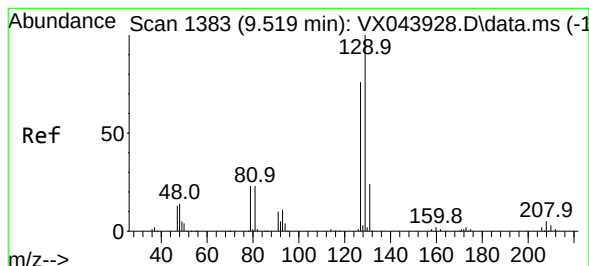
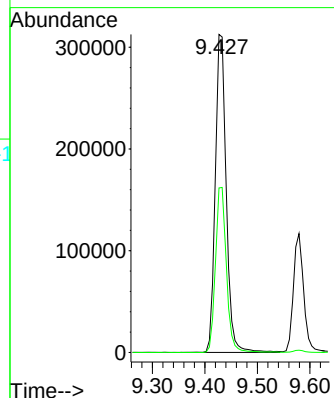
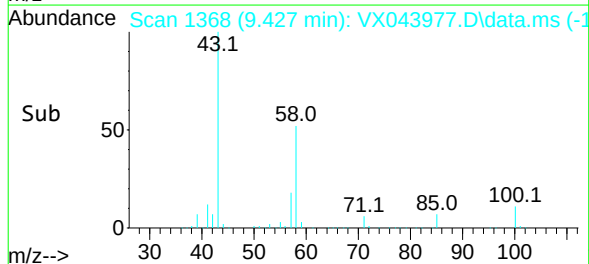
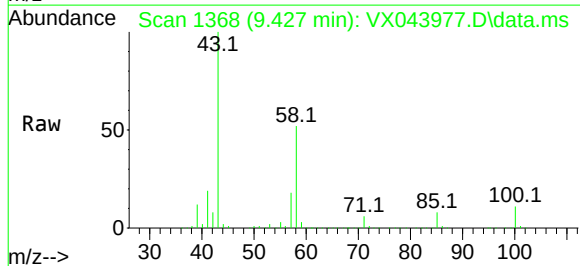
Ion Ratio Lower Upper

43 100

58 51.8 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#60

Dibromochloromethane

Concen: 51.814 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043977.D

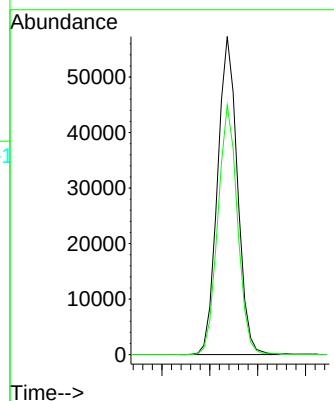
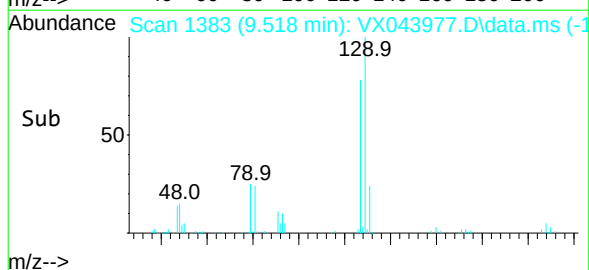
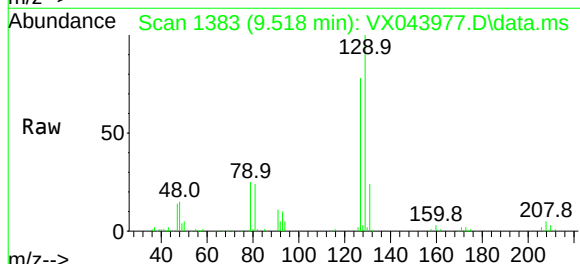
Acq: 25 Nov 2024 11:27

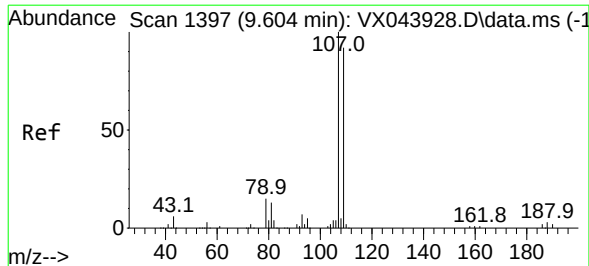
Tgt Ion:129 Resp: 82843

Ion Ratio Lower Upper

129 100

127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.645 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:107 Resp: 79994

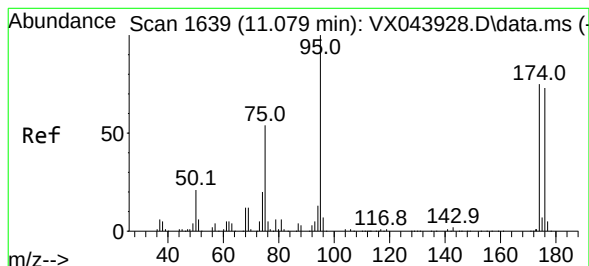
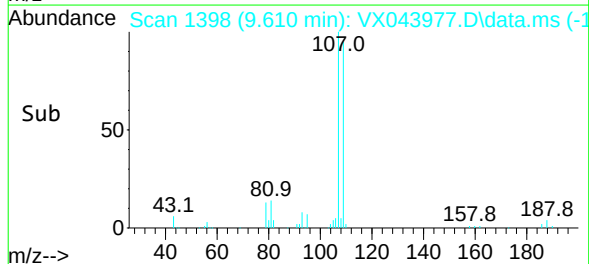
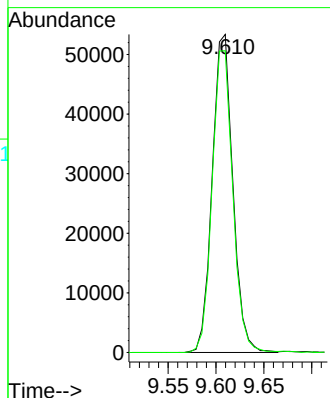
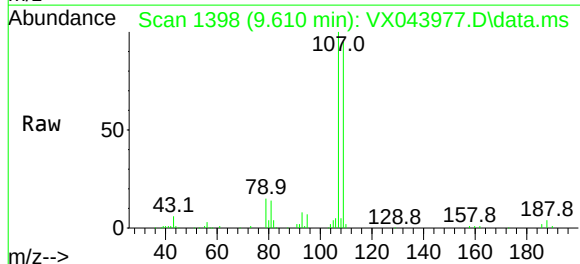
Ion Ratio Lower Upper

107 100

109 95.5 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#62

4-Bromofluorobenzene

Concen: 50.783 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

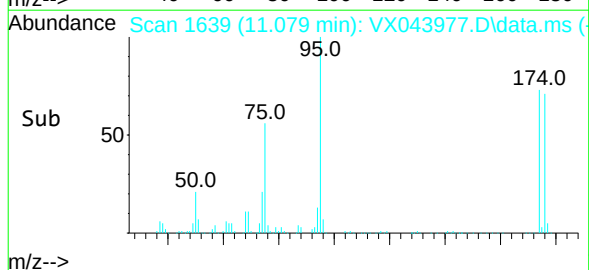
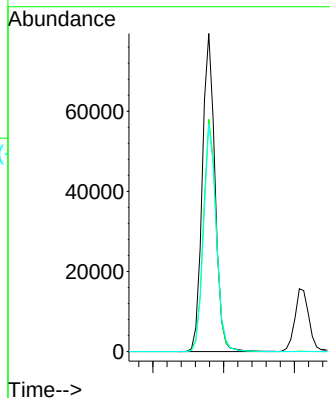
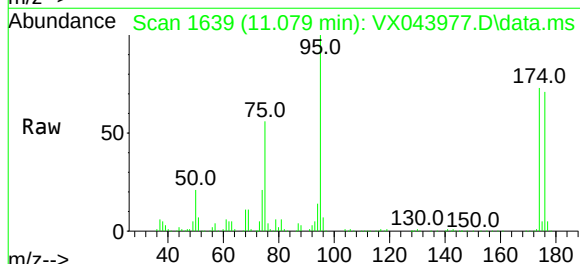
Tgt Ion: 95 Resp: 98993

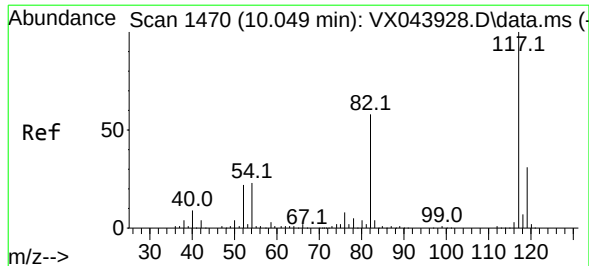
Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.4

176 71.7 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 196596

Ion Ratio Lower Upper

117 100

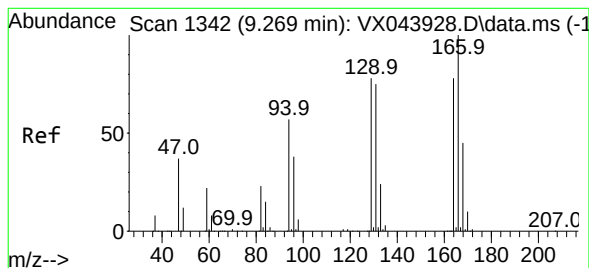
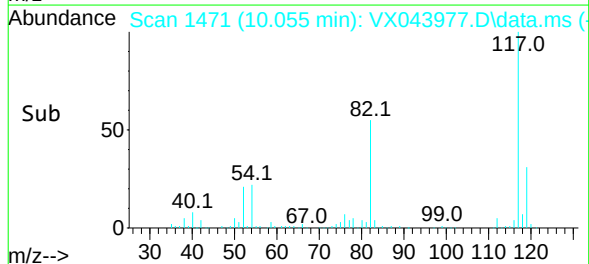
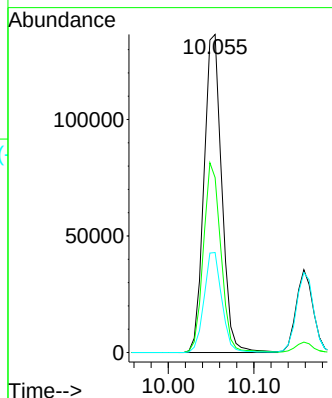
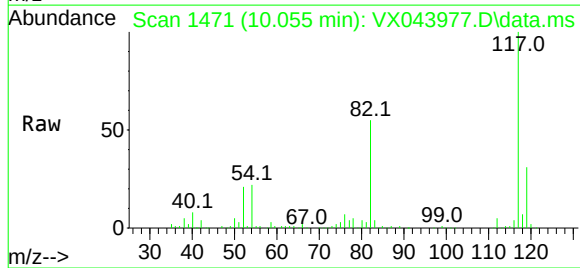
82 55.0 46.4 69.6

119 31.4 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#64

Tetrachloroethene

Concen: 50.133 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Tgt Ion:164 Resp: 64988

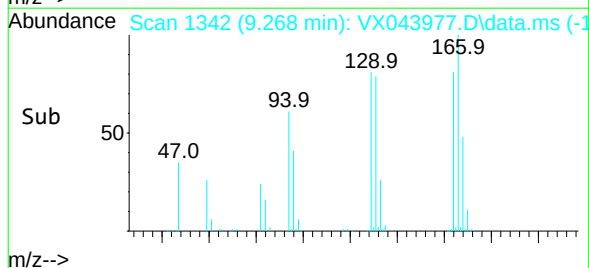
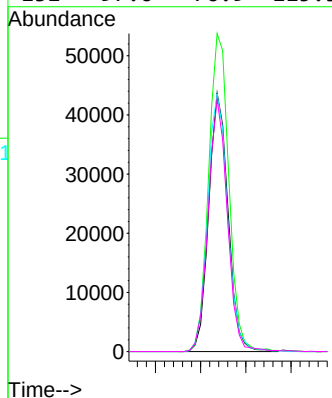
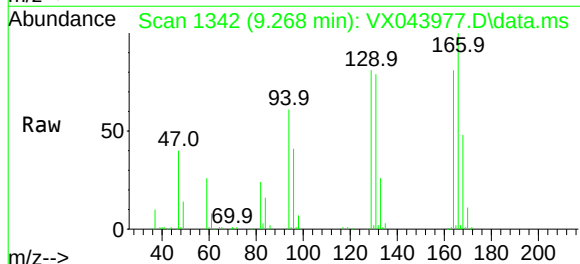
Ion Ratio Lower Upper

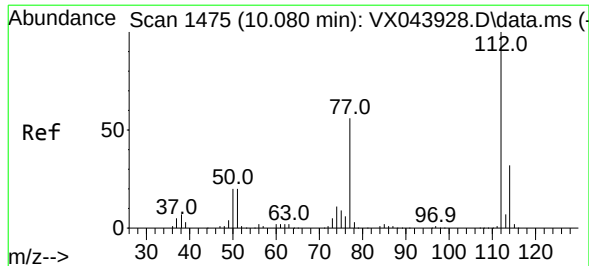
164 100

166 123.0 102.1 153.1

129 99.5 79.6 119.4

131 97.6 76.9 115.3





#65

Chlorobenzene

Concen: 49.197 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 212422

Ion Ratio Lower Upper

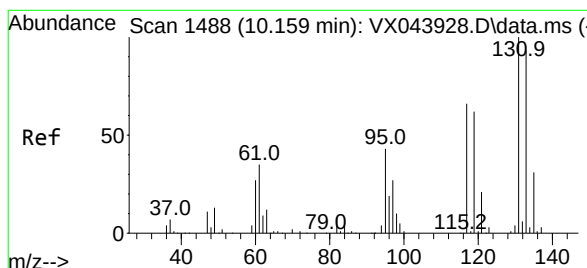
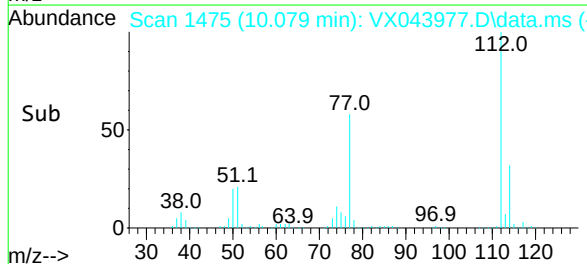
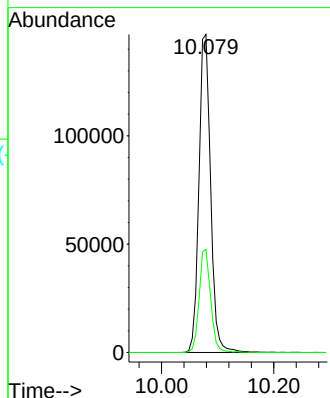
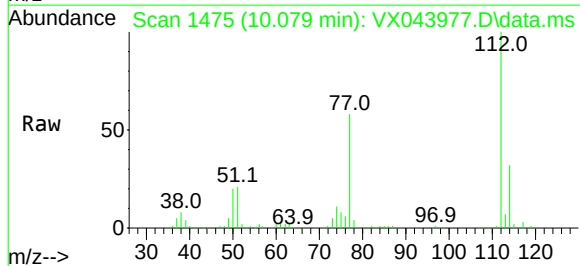
112 100

114 32.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 52.189 ug/l

RT: 10.158 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

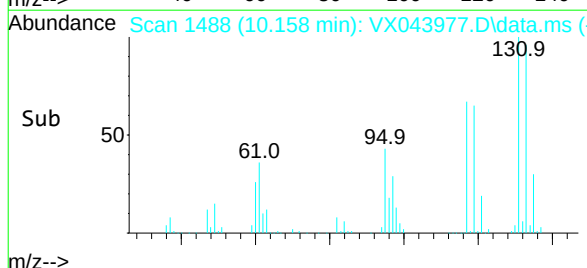
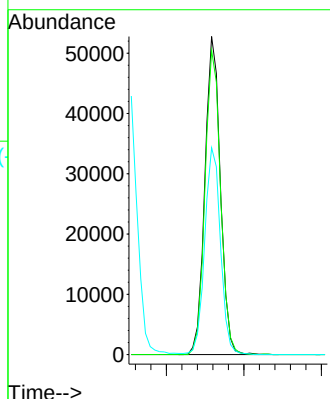
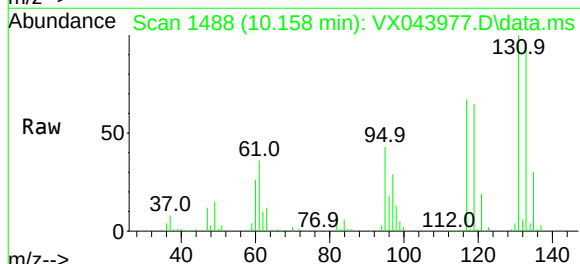
Tgt Ion:131 Resp: 73082

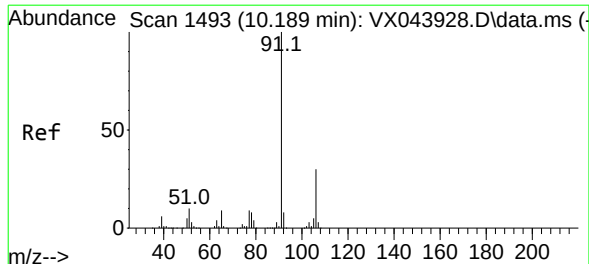
Ion Ratio Lower Upper

131 100

133 95.9 48.2 144.6

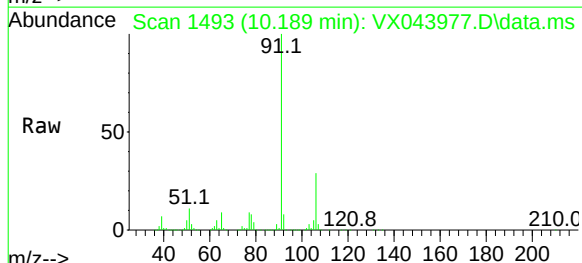
119 66.2 31.5 94.5





#67  
Ethyl Benzene  
Concen: 50.561 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

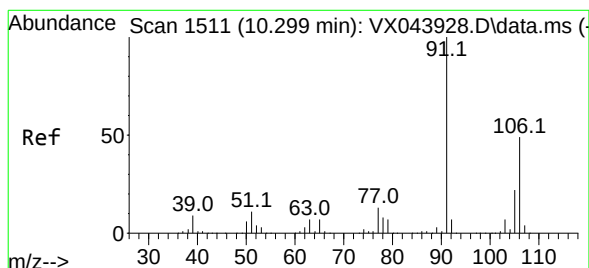
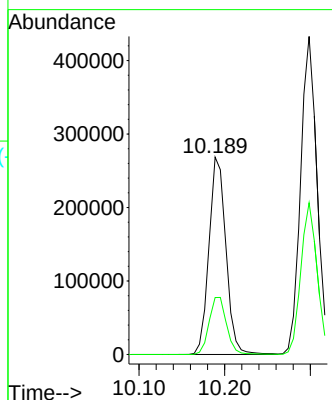
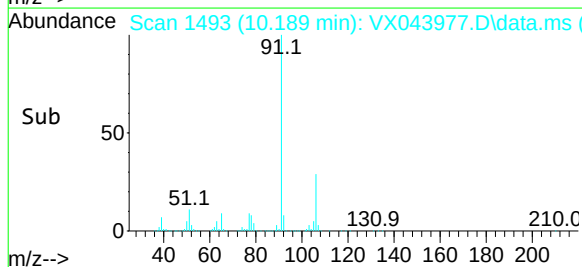
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 91 Resp: 369929  
Ion Ratio Lower Upper  
91 100  
106 28.8 23.6 35.4

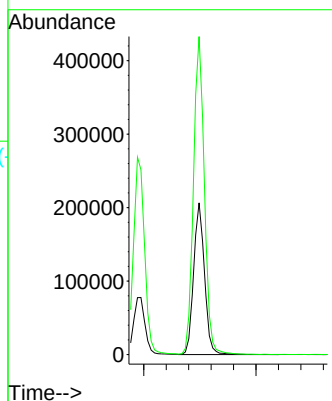
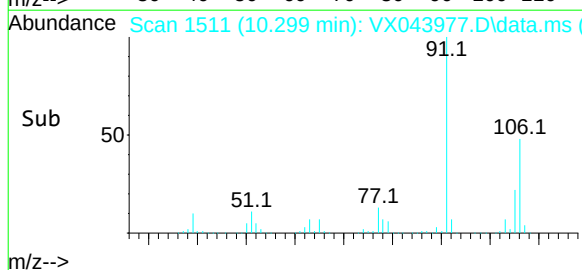
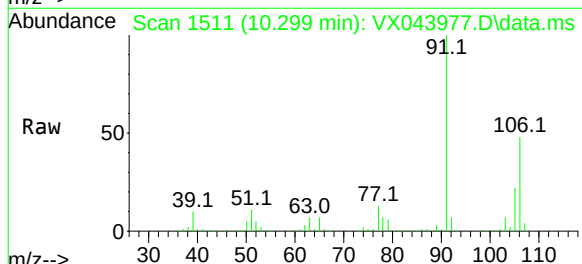
Manual Integrations  
APPROVED

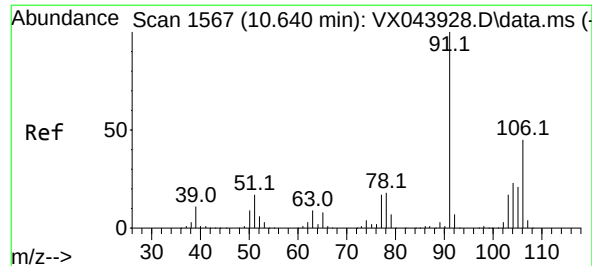
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#68  
m/p-Xylenes  
Concen: 101.696 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion:106 Resp: 277477  
Ion Ratio Lower Upper  
106 100  
91 210.3 168.1 252.1





#69

o-Xylene

Concen: 50.067 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 133377

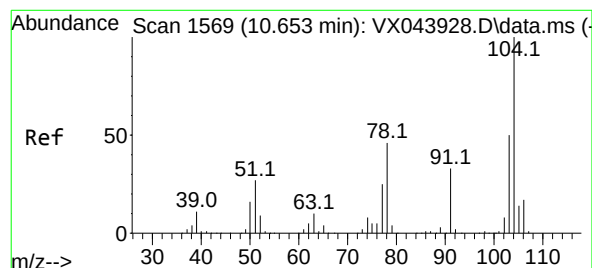
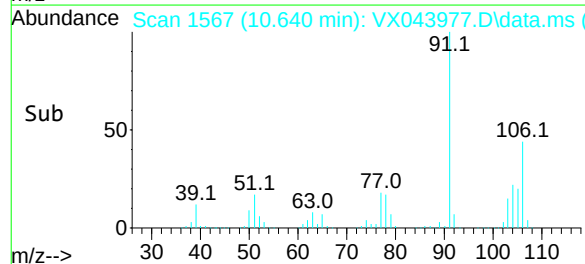
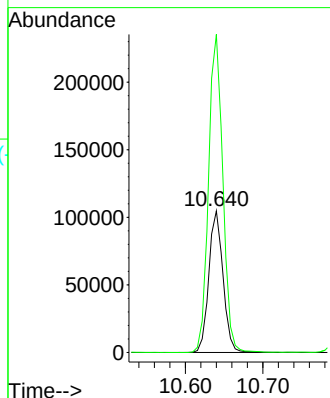
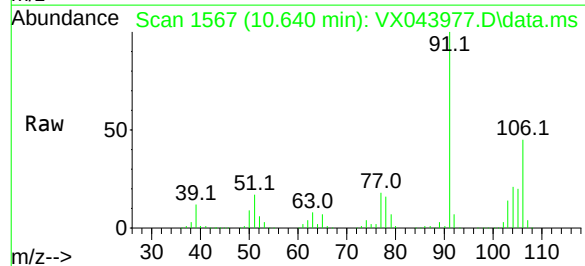
Ion Ratio Lower Upper

106 100

91 226.0 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#70

Styrene

Concen: 52.353 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

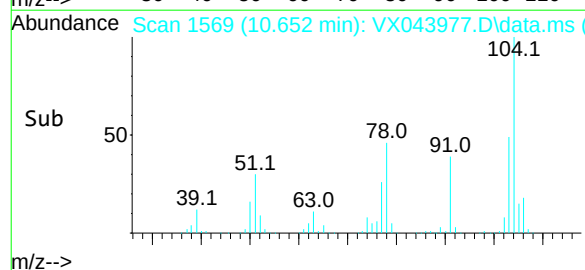
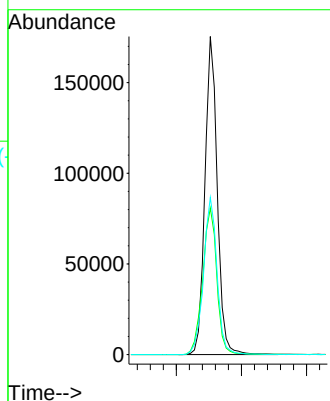
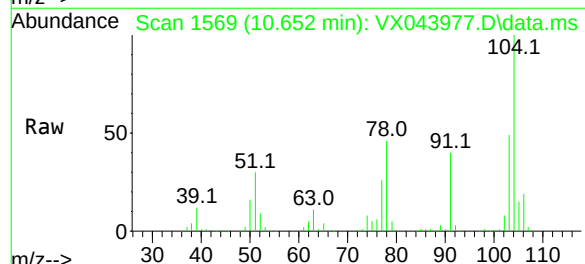
Tgt Ion:104 Resp: 230674

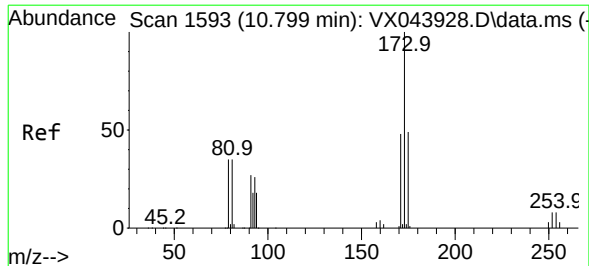
Ion Ratio Lower Upper

104 100

78 52.8 42.2 63.2

103 54.3 44.7 67.1





#71

Bromoform

Concen: 46.066 ug/l

RT: 10.798 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 48701

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.2

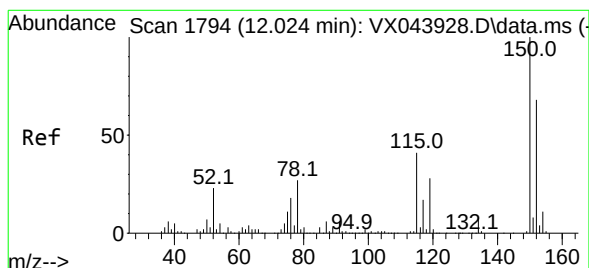
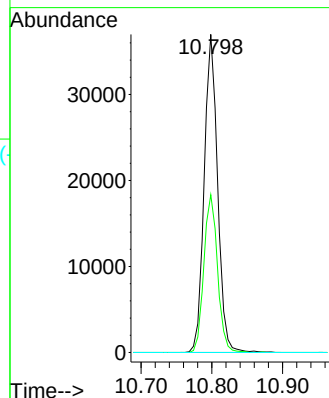
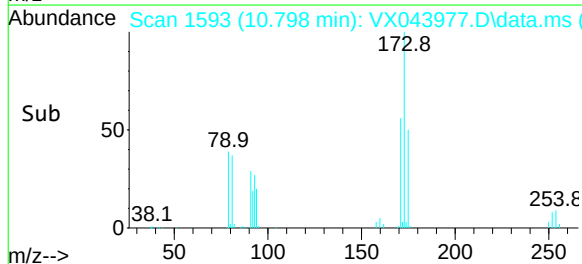
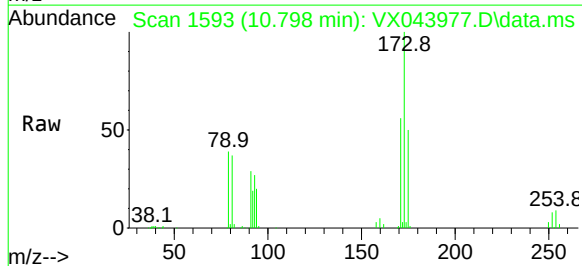
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.007 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

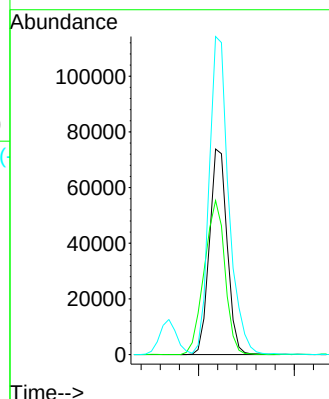
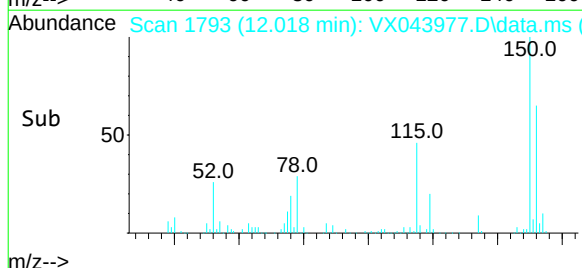
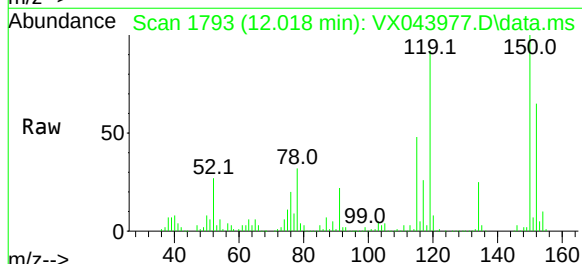
Tgt Ion:152 Resp: 94886

Ion Ratio Lower Upper

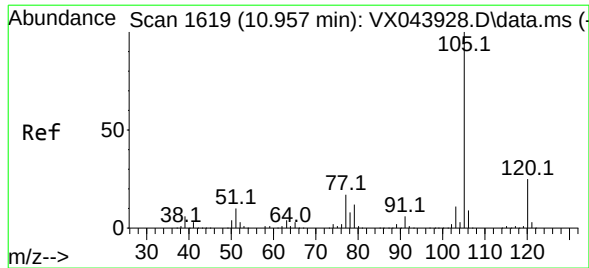
152 100

115 87.5 45.4 136.2

150 170.8 0.0 353.0







#73

Isopropylbenzene

Concen: 48.163 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 351294

Ion Ratio Lower Upper

105 100

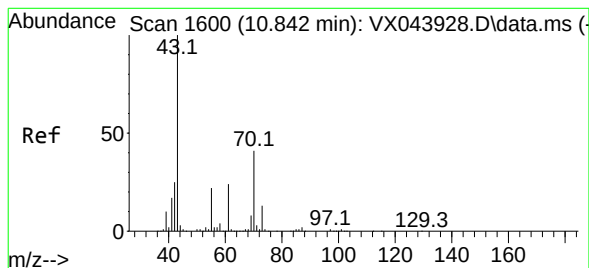
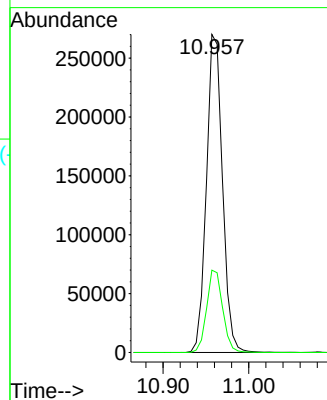
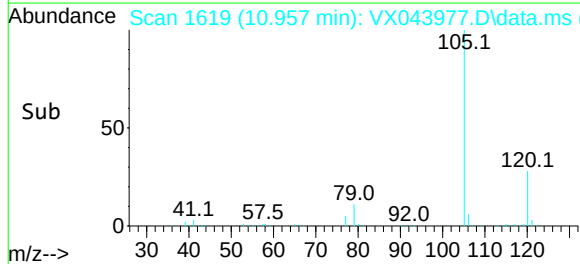
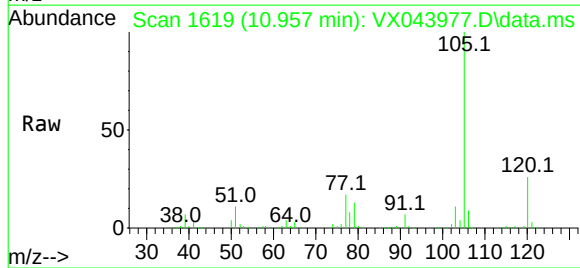
120 25.8 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#74

N-ethyl acetate

Concen: 48.361 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 163405

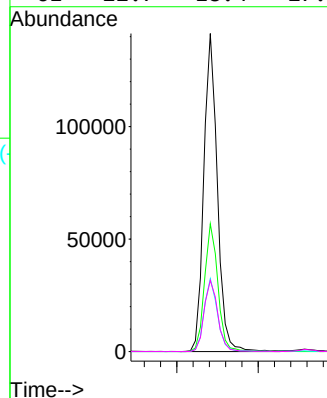
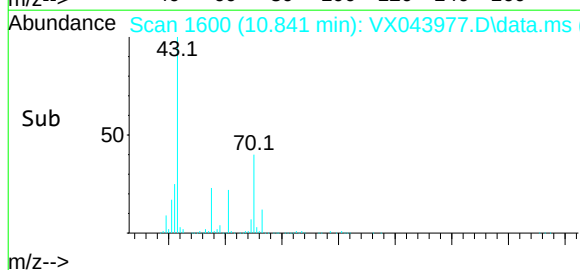
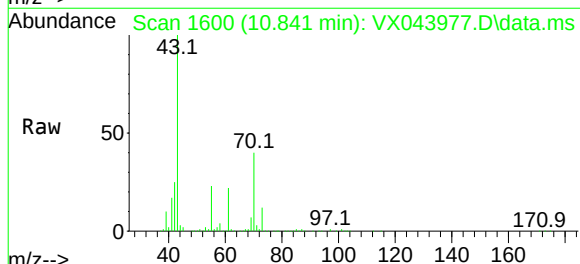
Ion Ratio Lower Upper

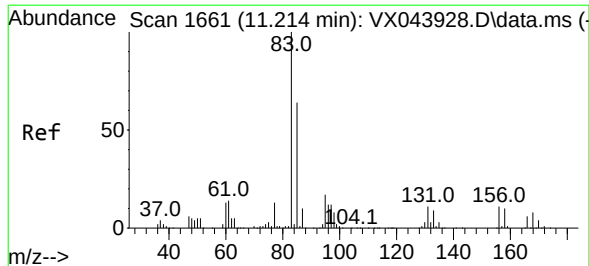
43 100

70 39.7 32.2 48.2

55 22.8 18.1 27.1

61 22.7 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.323 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

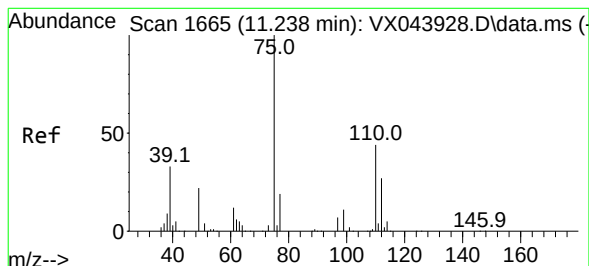
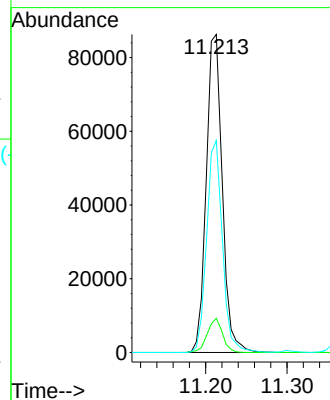
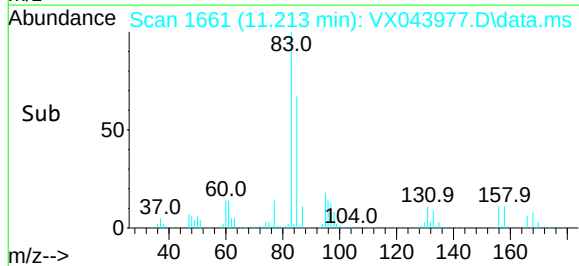
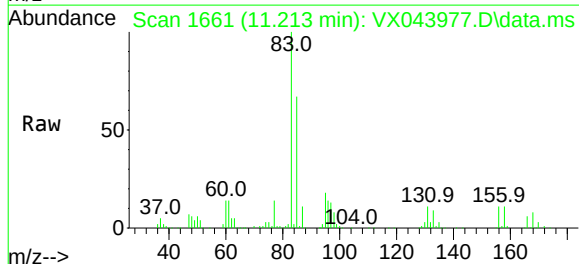
VSTDCCC050

|             |              |
|-------------|--------------|
| Tgt Ion: 83 | Resp: 118187 |
| Ion Ratio   | Lower Upper  |
| 83 100      |              |
| 131 10.2    | 5.1 15.2     |
| 85 65.6     | 32.2 96.6    |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#76

1,2,3-Trichloropropane

Concen: 47.389 ug/l m

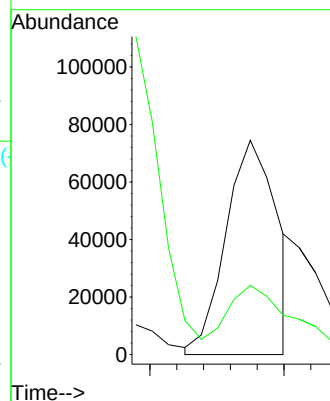
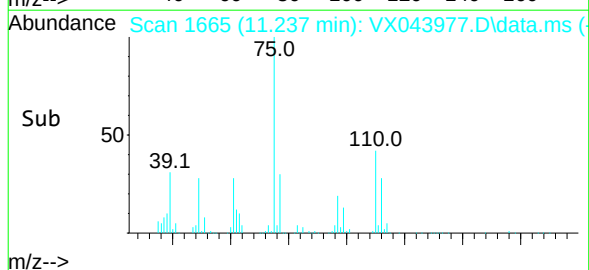
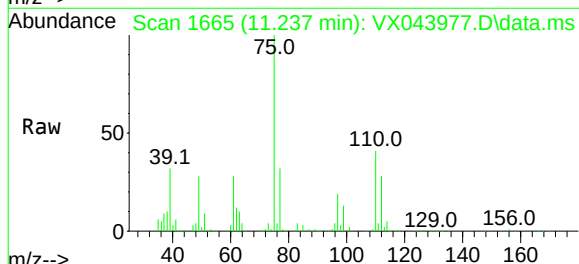
RT: 11.237 min Scan# 1665

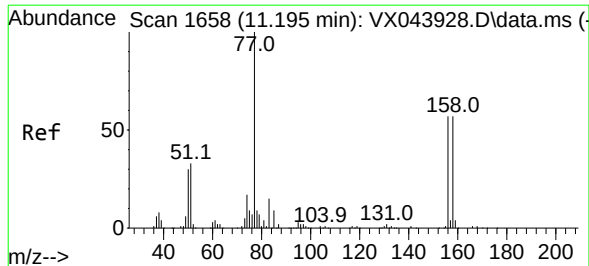
Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

|             |             |
|-------------|-------------|
| Tgt Ion: 75 | Resp: 98609 |
| Ion Ratio   | Lower Upper |
| 75 100      |             |
| 77 42.5     | 21.8 65.3   |





#77

Bromobenzene

Concen: 48.374 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

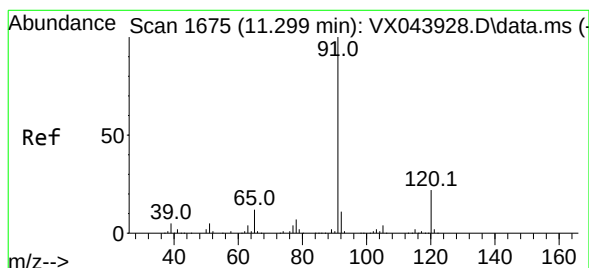
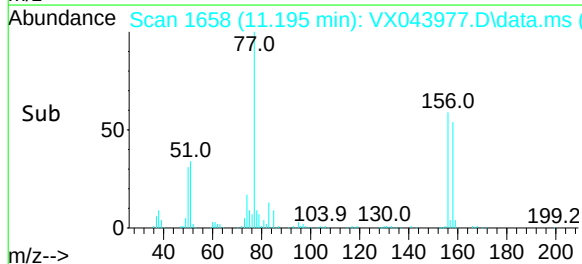
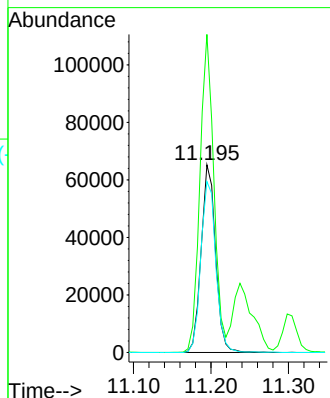
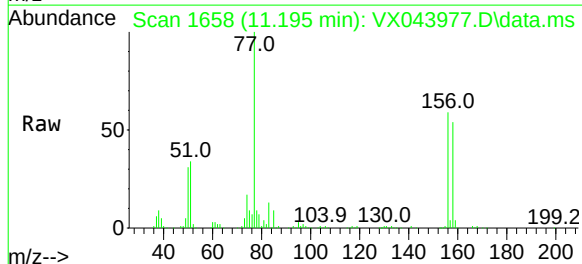
VSTDCCC050

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 156   | Resp: | 84168 |
| Ion Ratio | Lower | Upper |       |
| 156       | 100   |       |       |
| 77        | 163.8 | 83.4  | 250.1 |
| 158       | 94.8  | 47.6  | 142.8 |

## Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#78

n-propylbenzene

Concen: 49.892 ug/l

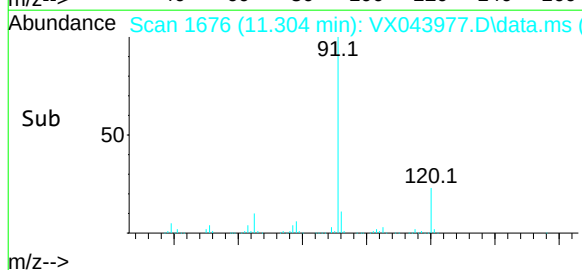
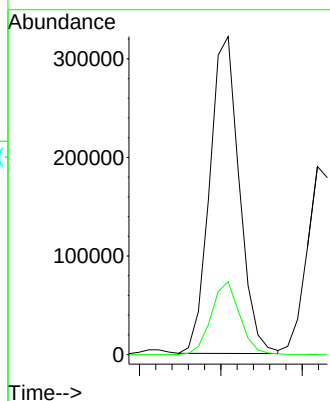
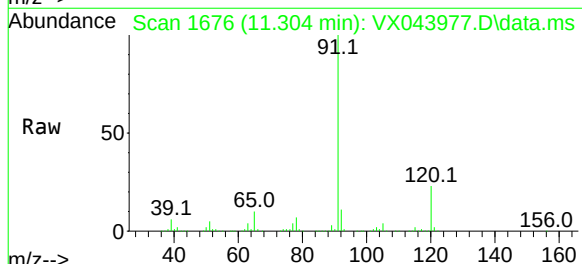
RT: 11.304 min Scan# 1676

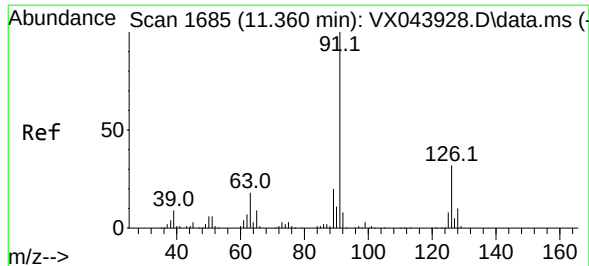
Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 91    | Resp: | 406428 |
| Ion Ratio | Lower | Upper |        |
| 91        | 100   |       |        |
| 120       | 22.3  | 11.5  | 34.4   |





#79

2-Chlorotoluene

Concen: 47.802 ug/l

RT: 11.359 min Scan# 16

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 246237

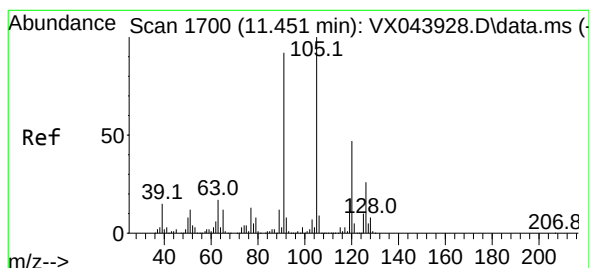
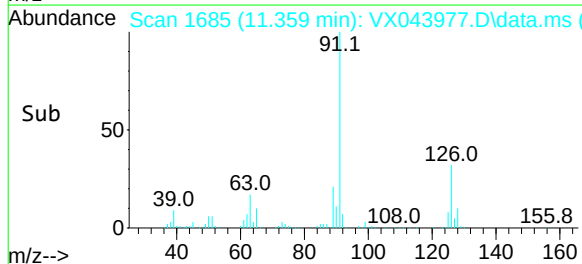
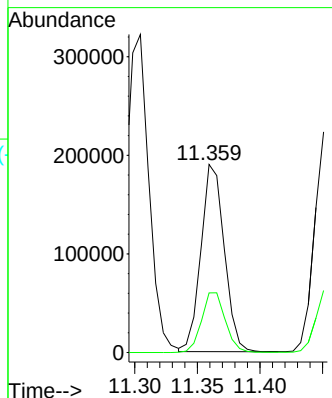
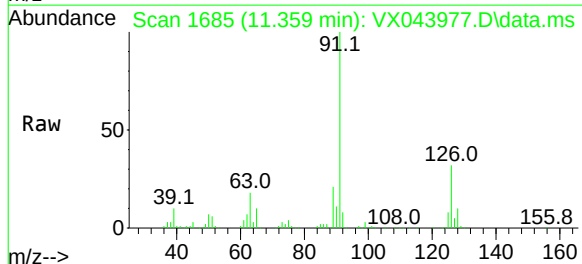
Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#80

1,3,5-Trimethylbenzene

Concen: 49.689 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043977.D

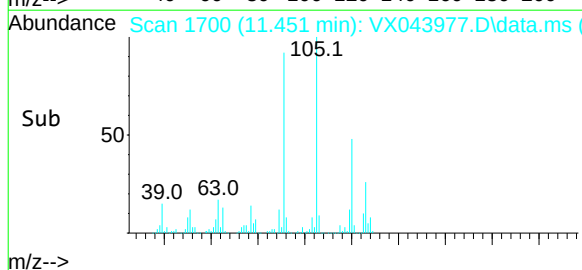
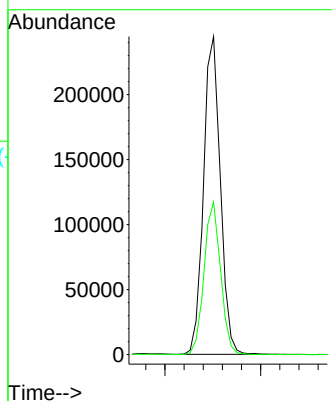
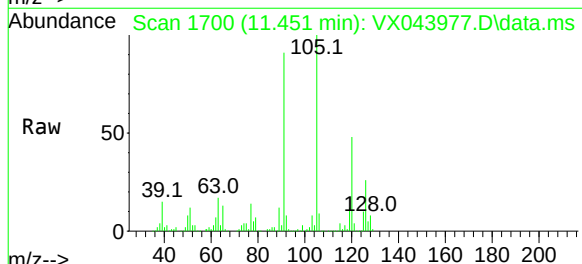
Acq: 25 Nov 2024 11:27

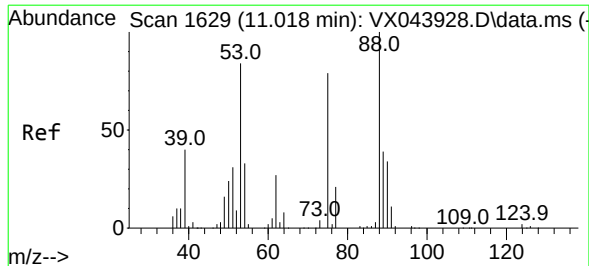
Tgt Ion:105 Resp: 298167

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 45.951 ug/l

RT: 11.018 min Scan# 16

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 35040

Ion Ratio Lower Upper

75 100

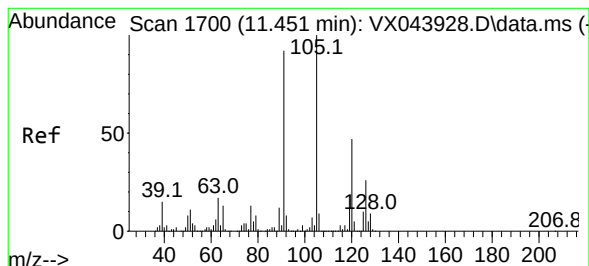
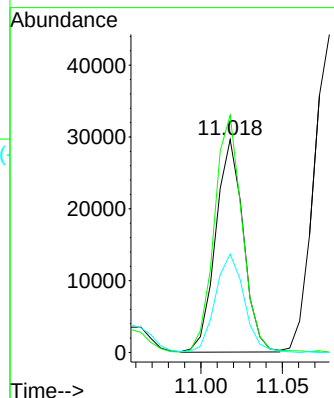
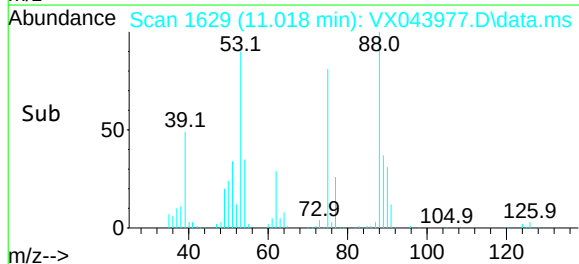
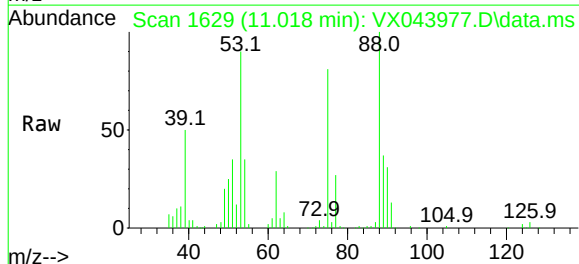
53 113.2 86.7 130.1

89 48.2 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#82

4-Chlorotoluene

Concen: 48.585 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043977.D

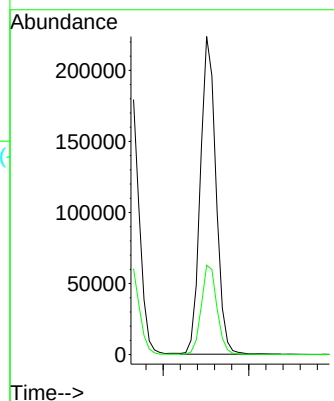
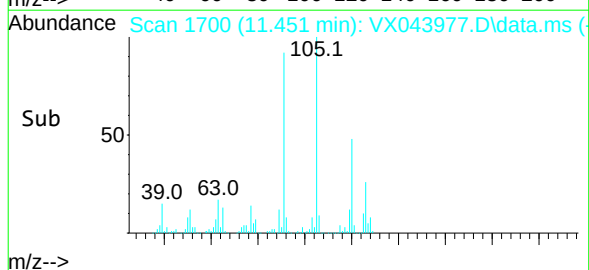
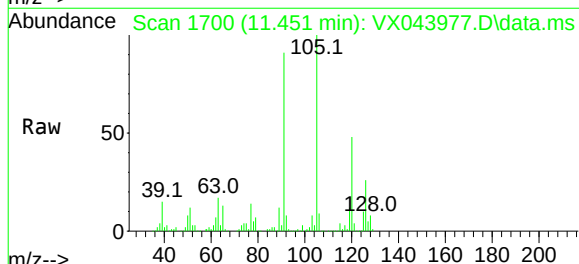
Acq: 25 Nov 2024 11:27

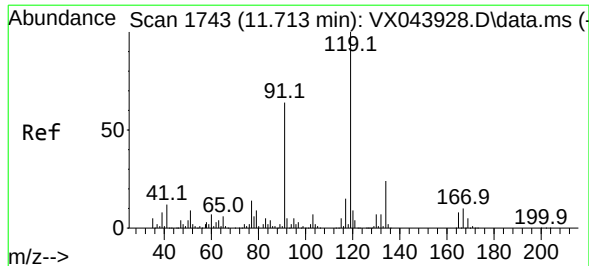
Tgt Ion: 91 Resp: 282543

Ion Ratio Lower Upper

91 100

126 28.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 49.242 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 292877

Ion Ratio Lower Upper

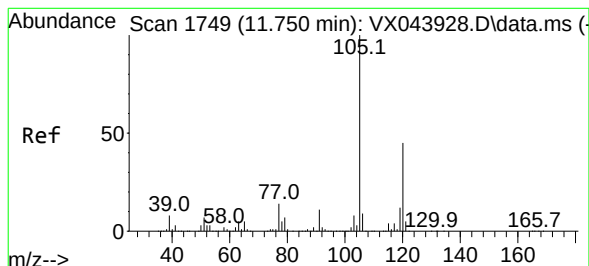
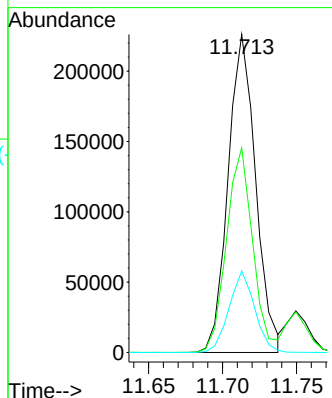
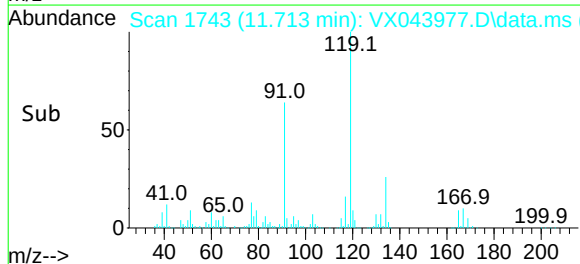
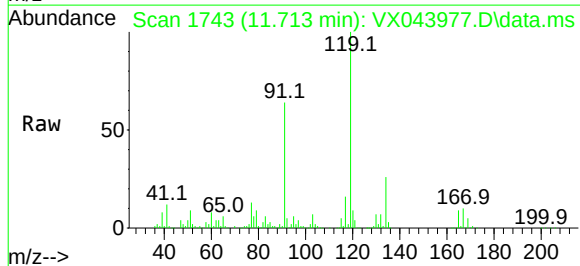
119 100

91 61.5 31.0 93.0

134 23.8 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#84

1,2,4-Trimethylbenzene

Concen: 49.987 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043977.D

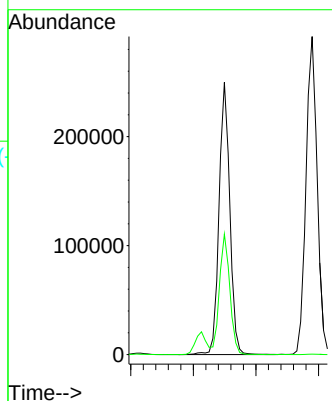
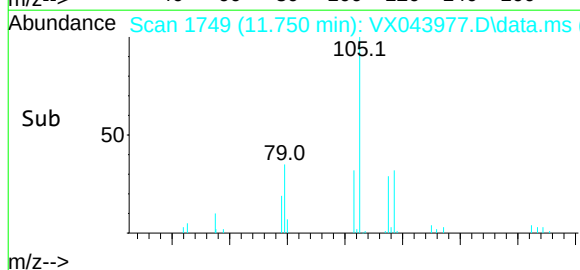
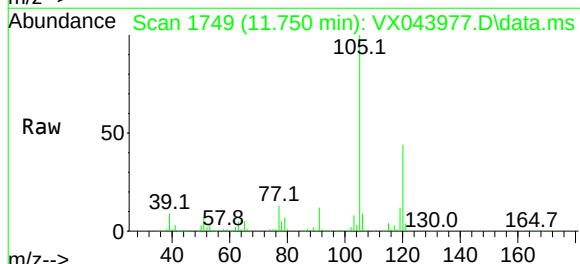
Acq: 25 Nov 2024 11:27

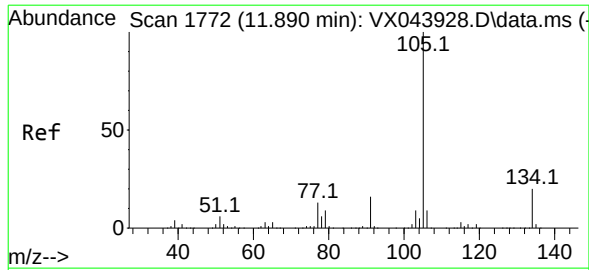
Tgt Ion:105 Resp: 298636

Ion Ratio Lower Upper

105 100

120 43.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 49.775 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 362725

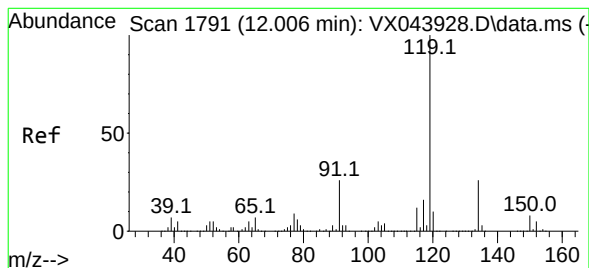
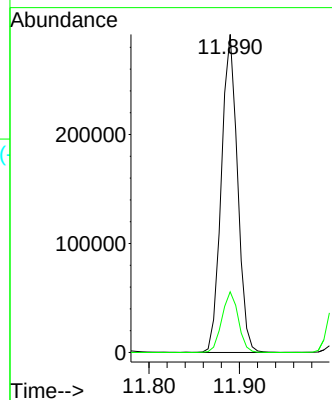
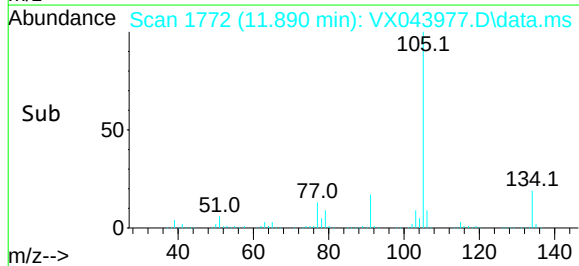
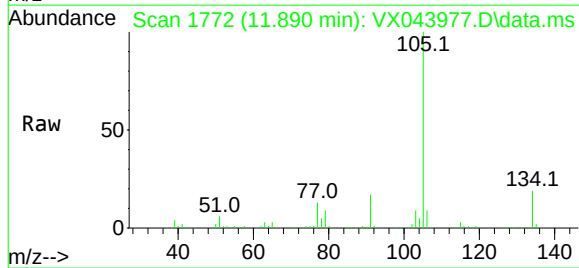
Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#86

p-Isopropyltoluene

Concen: 51.764 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

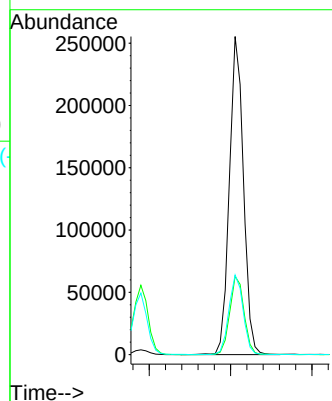
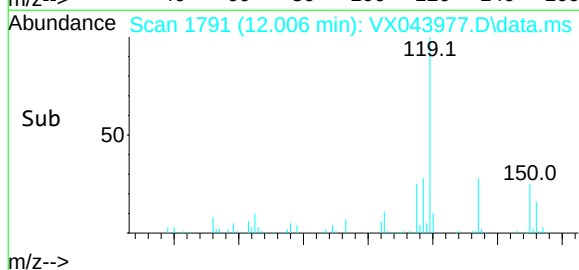
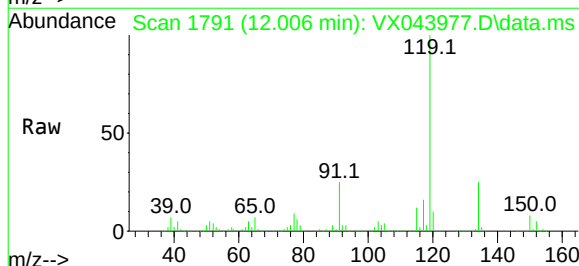
Tgt Ion:119 Resp: 306406

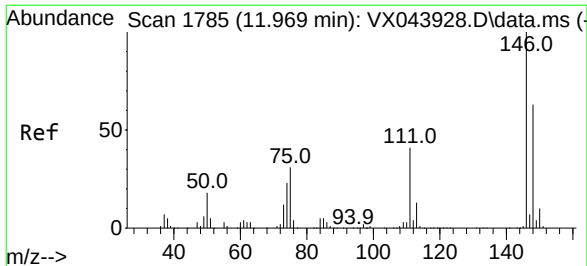
Ion Ratio Lower Upper

119 100

134 25.0 13.0 38.9

91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 48.622 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 154082

Ion Ratio Lower Upper

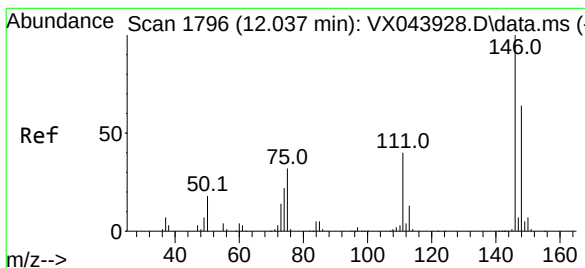
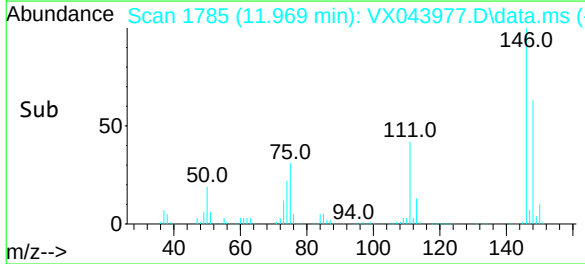
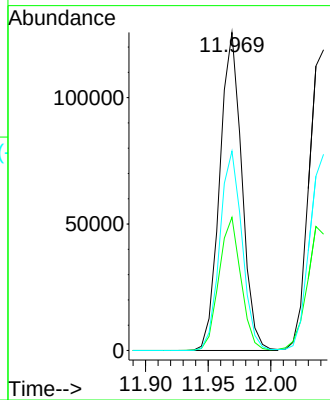
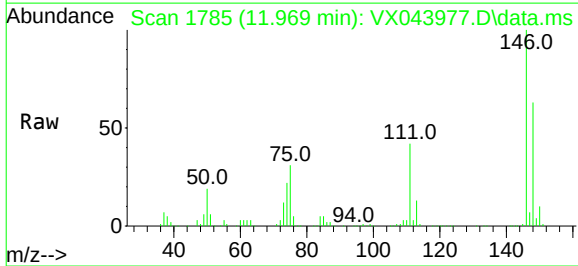
146 100

111 41.7 21.1 63.3

148 63.3 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#88

1,4-Dichlorobenzene

Concen: 47.493 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

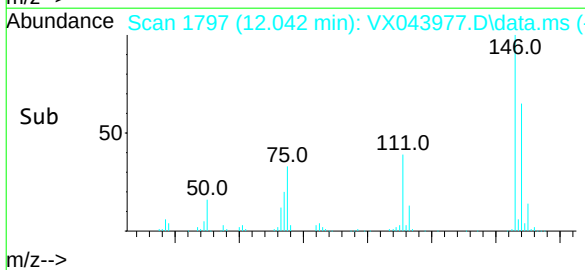
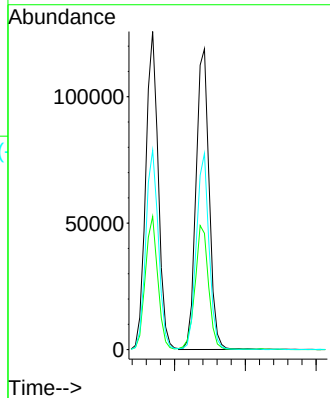
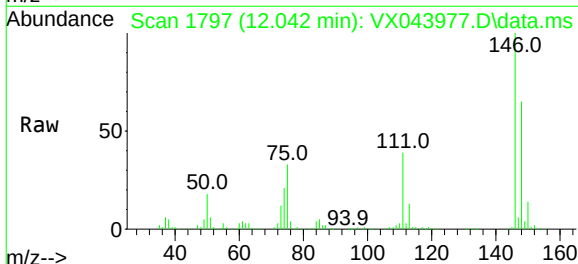
Tgt Ion:146 Resp: 153444

Ion Ratio Lower Upper

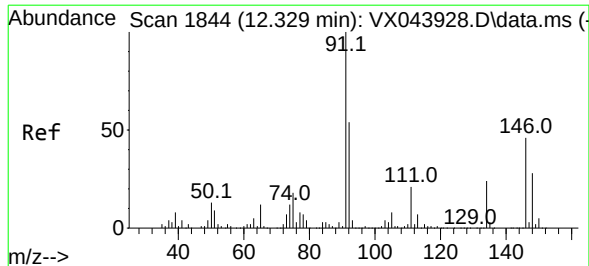
146 100

111 41.9 20.1 60.3

148 62.8 30.9 92.8







#89

n-Butylbenzene

Concen: 50.989 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 266108

Ion Ratio Lower Upper

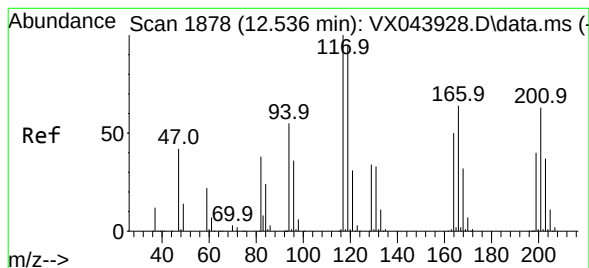
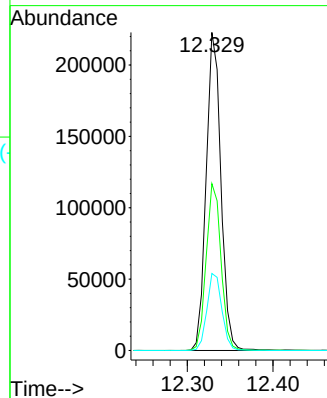
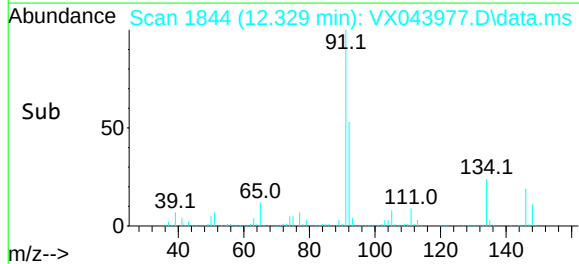
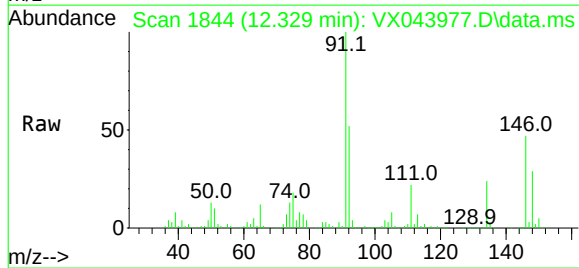
91 100

92 52.9 26.6 79.8

134 24.6 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#90

Hexachloroethane

Concen: 48.643 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.001 min

Lab File: VX043977.D

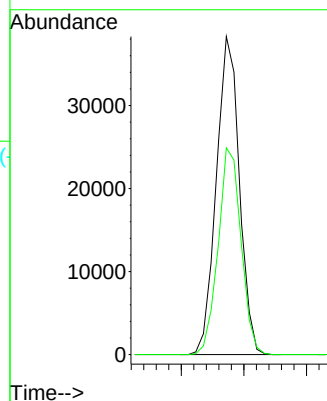
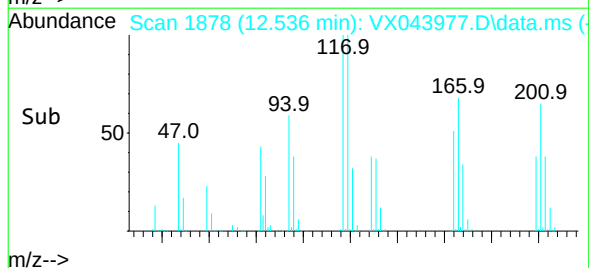
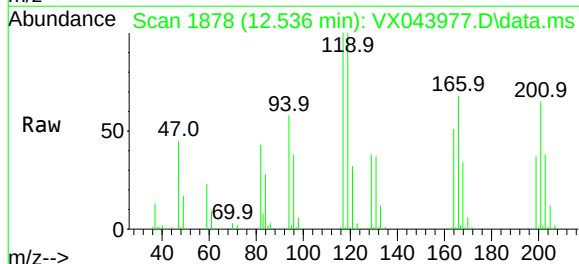
Acq: 25 Nov 2024 11:27

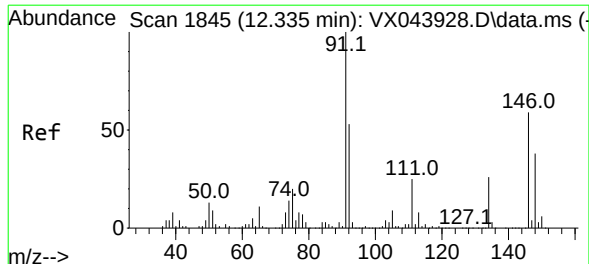
Tgt Ion:117 Resp: 48961

Ion Ratio Lower Upper

117 100

201 64.7 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 48.588 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043977.D

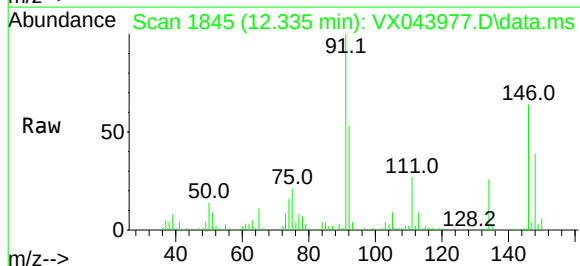
Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050



Tgt Ion: 146 Resp: 155387

Ion Ratio Lower Upper

146 100

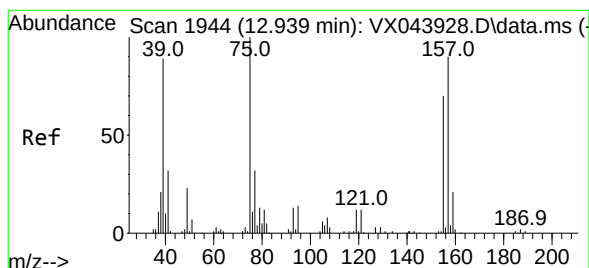
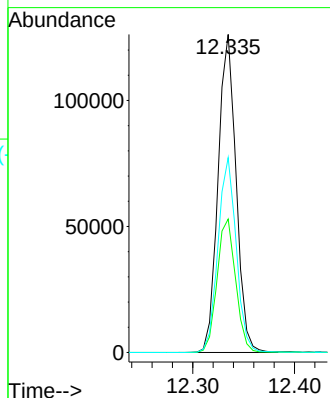
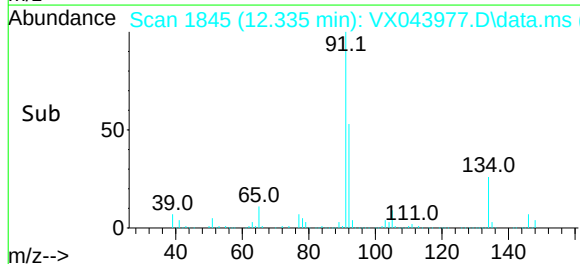
111 43.5 21.5 64.5

148 62.2 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.127 ug/l

RT: 12.938 min Scan# 1944

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

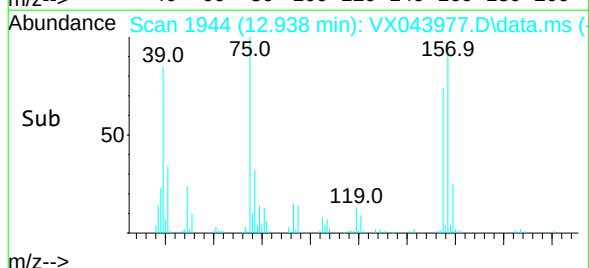
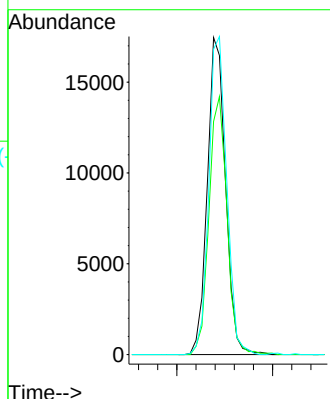
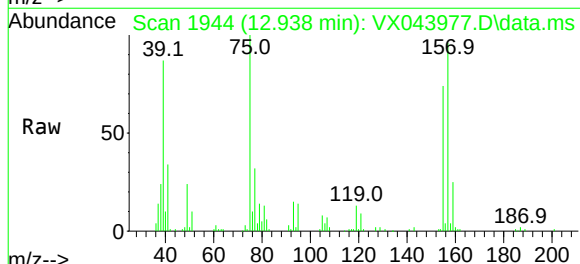
Tgt Ion: 75 Resp: 23083

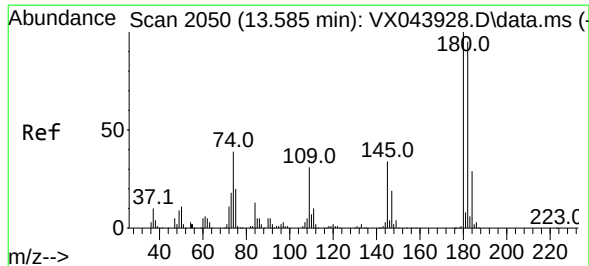
Ion Ratio Lower Upper

75 100

155 80.6 40.1 120.2

157 98.4 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 47.992 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 90486

Ion Ratio Lower Upper

180 100

182 94.3 48.0 144.2

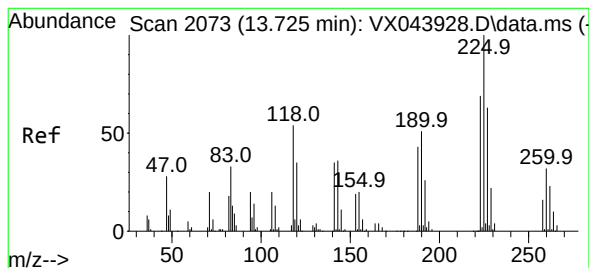
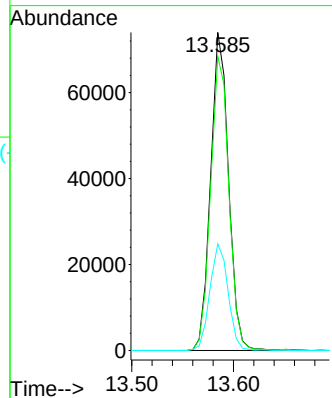
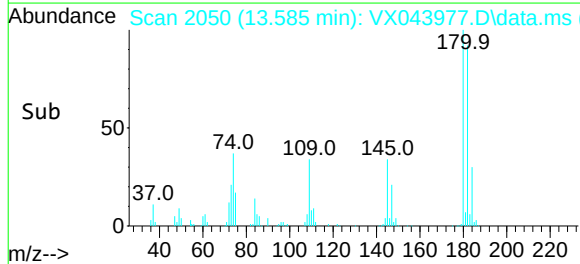
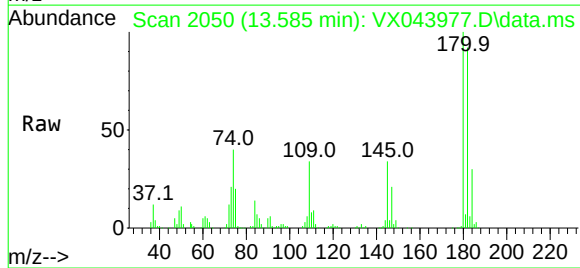
145 34.2 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#94

Hexachlorobutadiene

Concen: 48.575 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

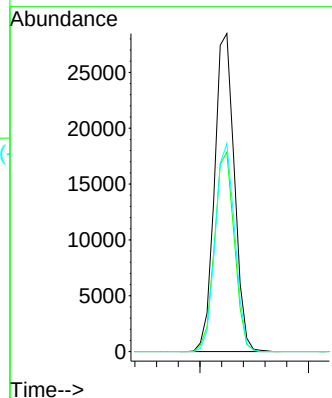
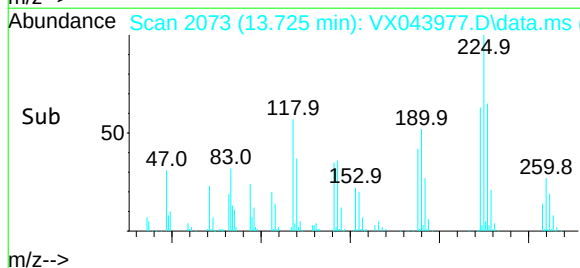
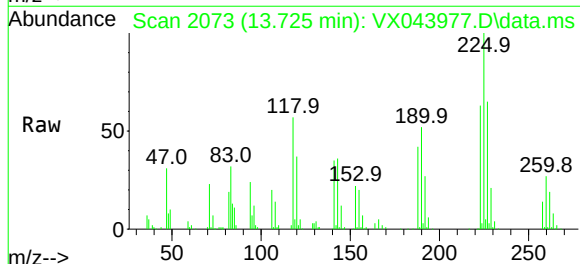
Tgt Ion:225 Resp: 36196

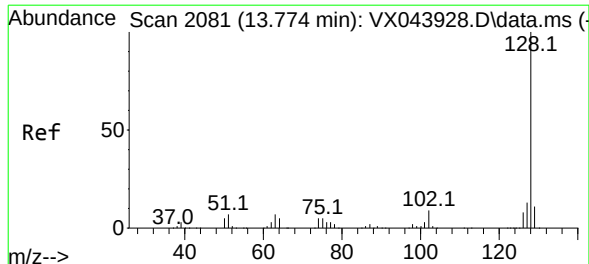
Ion Ratio Lower Upper

225 100

223 62.6 32.9 98.6

227 64.2 31.6 94.8





#95

Naphthalene

Concen: 49.325 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.001 min

Lab File: VX043977.D

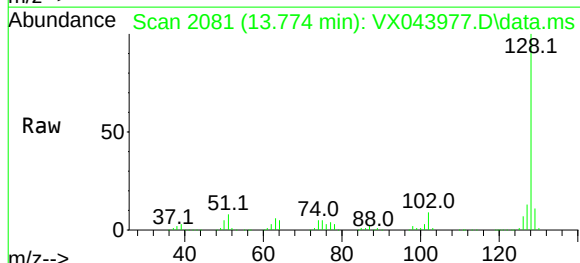
Acq: 25 Nov 2024 11:27

Instrument :

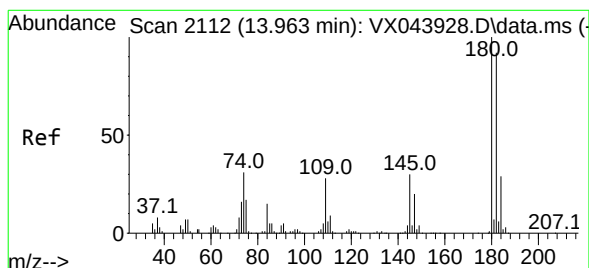
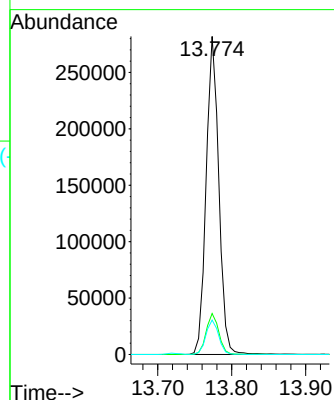
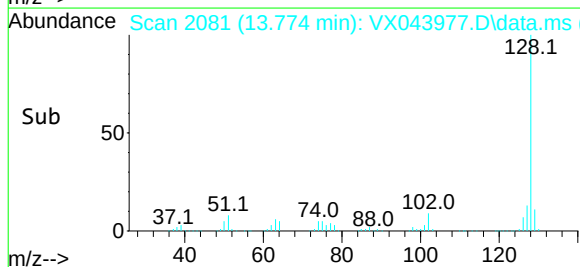
MSVOA\_X

ClientSampleId :

VSTDCCC050



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 334769 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.9  | 10.2  | 15.2   |
| 129      | 10.9  | 8.6   | 12.8   |

**Manual Integrations**  
**APPROVED**Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#96

1,2,3-Trichlorobenzene

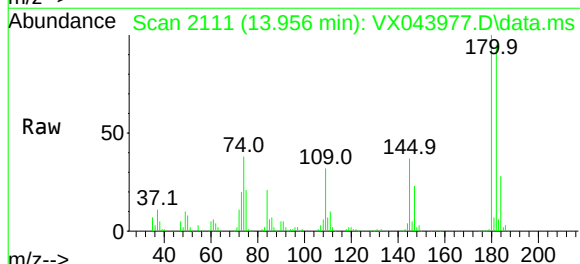
Concen: 48.584 ug/l

RT: 13.956 min Scan# 2111

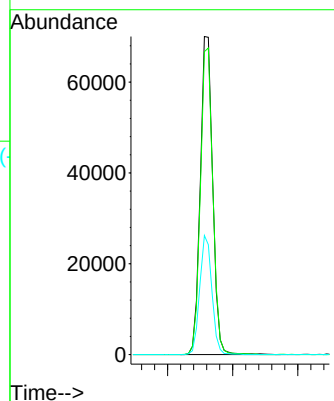
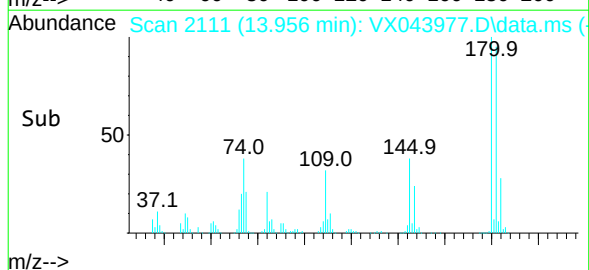
Delta R.T. -0.007 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 92716 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 96.5  | 45.6  | 136.8 |
| 145      | 36.7  | 16.4  | 49.4  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 26 00:43:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.589 | 7.0  | 82    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.624 | 6.4  | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.656 | 7.5# | 82    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.450 | -3.2 | 97    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.419 | 3.0  | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.137 | 10.3 | 80    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.437 | 5.4  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.576 | 4.8  | 84    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.722 | 4.4  | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.121 | 12.3 | 80    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.531 | 7.8# | 85    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.130 | 10.3 | 86    | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 0.886 | 5.8  | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.321 | 4.2  | 83    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.361 | 8.4  | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 1.050 | 11.6 | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.854 | 6.9  | 83    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 2.024 | 3.3  | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.625 | 6.4  | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.560 | 5.9  | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 1.981 | 1.6  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.711 | 0.6  | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.131 | 2.6  | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.480 | 5.5  | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 0.994 | 5.2  | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.712 | 3.1  | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.489 | 4.3  | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.290 | 7.1  | 82    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.232 | 1.4# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 0.956 | 0.884 | 7.5  | 81    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 1.056 | 1.9  | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.840 | 2.1  | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0  | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.360 | -0.8 | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.437 | 1.8  | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.512 | 7.4  | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.507 | -1.4 | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.553 | 4.3  | 81    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.357 | 2.2  | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.272 | 3.9  | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.546 | 2.0  | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.849 | 3.5  | 84    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.334 | 15.0 | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.339 | 0.3# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.271 | -0.7 | 89    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.500 | -3.7 | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.407 | 3.6  | 84    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 26 00:43:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.007 | 12.5  | 77    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.227 | 0.4   | 107   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.513 | 4.5   | 81    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.830 | 0.0   | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.507 | -3.3  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.543 | -0.7  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.336 | 2.0   | 87    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.529 | 0.9   | 83    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.576 | 0.2   | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.266 | 2.6   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.390 | 3.2   | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.356 | -3.5  | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.344 | 0.6   | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.426 | -1.7  | 106   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.331 | -0.3  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.081 | 1.5   | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.372 | -4.5  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 1.882 | -1.1# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.706 | -1.7  | 86    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.678 | 0.0   | 83    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.173 | -4.6  | 86    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.248 | -3.3  | 81    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 3.702 | 3.7   | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 1.722 | 3.3   | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.246 | 5.3   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.039 | 5.2   | 83    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.887 | 3.3   | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 4.283 | 0.2   | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.595 | 4.4   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 3.142 | 0.6   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.369 | 8.2   | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 2.978 | 2.8   | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 3.087 | 1.5   | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.147 | 0.0   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 3.823 | 0.4   | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 3.229 | -3.5  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.624 | 2.8   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.617 | 5.0   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 2.805 | -2.0  | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.516 | 2.6   | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.638 | 2.8   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.243 | 8.0   | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 0.954 | 4.0   | 83    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.381 | 3.1   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 3.528 | 1.3   | 83    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043977.D  
Acq On : 25 Nov 2024 11:27  
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 26 00:43:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 0.977 | 2.9  | 83    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 5

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 26 00:43:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0  | 96    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 46.466  | 7.1  | 82    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.775  | 6.5  | 86    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 46.231  | 7.5# | 82    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 51.566  | -3.1 | 97    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.469  | 3.1  | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.839  | 10.3 | 80    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.280  | 5.4  | 88    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.646  | 4.7  | 84    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.795  | 4.4  | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 220.360 | 11.9 | 80    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 46.080  | 7.8# | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 224.411 | 10.2 | 86    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.063  | 5.9  | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 239.244 | 4.3  | 83    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 228.890 | 8.4  | 81    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 44.155  | 11.7 | 78    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.531  | 6.9  | 83    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.373  | 3.3  | 86    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.719  | 6.6  | 90    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 47.034  | 5.9  | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.207  | 1.6  | 88    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 248.374 | 0.7  | 84    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.697  | 2.6  | 86    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 236.327 | 5.5  | 81    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.384  | 5.2  | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 48.444  | 3.1  | 86    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.856  | 4.3  | 104   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 232.975 | 6.8  | 82    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 49.337  | 1.3# | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 46.218  | 7.6  | 81    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.023  | 2.0  | 85    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.000  | 2.0  | 107   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0  | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.333  | -0.7 | 106   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 49.026  | 1.9  | 85    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.278  | 7.4  | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.716  | -1.4 | 88    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.843  | 4.3  | 81    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.936  | 2.1  | 87    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.098  | 3.8  | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 49.018  | 2.0  | 87    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.245  | 3.5  | 84    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 42.546  | 14.9 | 86    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 49.890  | 0.2# | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.387  | -0.8 | 89    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.893  | -3.8 | 89    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.244  | 3.5  | 84    | 0.00     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 26 00:43:14 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 869.321 | 13.1  | 77    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.805  | 0.4   | 107   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 238.823 | 4.5   | 81    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.022  | -0.0# | 87    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 51.600  | -3.2  | 86    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 50.373  | -0.7  | 85    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 49.075  | 1.8   | 87    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 49.531  | 0.9   | 83    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.872  | 0.3   | 89    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 226.771 | 9.3   | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 241.619 | 3.4   | 80    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.814  | -3.6  | 87    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.645  | 0.7   | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.783  | -1.6  | 106   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0   | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 50.133  | -0.3  | 88    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.197  | 1.6   | 87    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 52.189  | -4.4  | 87    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 50.561  | -1.1# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 101.696 | -1.7  | 86    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.067  | -0.1  | 83    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 52.353  | -4.7  | 86    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 46.066  | 7.9   | 81    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0   | 95    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 48.163  | 3.7   | 85    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.361  | 3.3   | 82    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.323  | 5.4   | 85    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.389  | 5.2   | 83    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.374  | 3.3   | 86    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.892  | 0.2   | 86    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 47.802  | 4.4   | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 49.689  | 0.6   | 86    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 45.951  | 8.1   | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.585  | 2.8   | 85    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 49.242  | 1.5   | 85    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.987  | 0.0   | 87    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.775  | 0.5   | 85    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.764  | -3.5  | 87    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.622  | 2.8   | 87    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 47.493  | 5.0   | 86    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 50.989  | -2.0  | 83    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.643  | 2.7   | 83    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.588  | 2.8   | 88    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.127  | 7.7   | 81    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 47.992  | 4.0   | 83    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 48.575  | 2.8   | 88    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.325  | 1.3   | 83    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043977.D  
Acq On : 25 Nov 2024 11:27  
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 26 00:43:14 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.584 | 2.8  | 83    | 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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/25/2024 21:12

Lab File ID: VX044002.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.633 | 0.558  |            | -11.85 | 50    |
| Chloromethane                  | 0.667 | 0.617  | 0.1        | -7.5   | 50    |
| Vinyl Chloride                 | 0.709 | 0.635  |            | -10.44 | 50    |
| Bromomethane                   | 0.436 | 0.412  |            | -5.51  | 50    |
| Chloroethane                   | 0.432 | 0.363  |            | -15.97 | 50    |
| Trichlorofluoromethane         | 1.268 | 1.302  |            | 2.68   | 50    |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.538  |            | -11.07 | 50    |
| 1,1-Dichloroethene             | 0.576 | 0.522  |            | -9.38  | 50    |
| Acetone                        | 0.394 | 0.286  |            | -27.41 | 50    |
| Carbon Disulfide               | 1.188 | 0.966  |            | -18.69 | 50    |
| Methyl tert-butyl Ether        | 2.092 | 2.023  |            | -3.3   | 50    |
| Methyl Acetate                 | 0.917 | 0.852  |            | -7.09  | 50    |
| Methylene Chloride             | 0.668 | 0.613  |            | -8.23  | 50    |
| trans-1,2-Dichloroethene       | 0.595 | 0.551  |            | -7.39  | 50    |
| 1,1-Dichloroethane             | 1.161 | 1.123  | 0.1        | -3.27  | 50    |
| Cyclohexane                    | 0.956 | 0.867  |            | -9.31  | 50    |
| 2-Butanone                     | 0.508 | 0.440  |            | -13.39 | 50    |
| Carbon Tetrachloride           | 0.500 | 0.466  |            | -6.8   | 50    |
| cis-1,2-Dichloroethene         | 0.735 | 0.689  |            | -6.26  | 50    |
| Bromochloromethane             | 0.511 | 0.474  |            | -7.24  | 50    |
| Chloroform                     | 1.249 | 1.211  |            | -3.04  | 50    |
| 1,1,1-Trichloroethane          | 1.077 | 1.072  |            | -0.46  | 50    |
| Methylcyclohexane              | 0.578 | 0.500  |            | -13.49 | 50    |
| Benzene                        | 1.387 | 1.309  |            | -5.62  | 50    |
| 1,2-Dichloroethane             | 0.557 | 0.526  |            | -5.57  | 50    |
| Trichloroethene                | 0.393 | 0.324  |            | -17.56 | 50    |
| 1,2-Dichloropropane            | 0.340 | 0.329  |            | -3.23  | 50    |
| Bromodichloromethane           | 0.482 | 0.472  |            | -2.08  | 50    |
| 4-Methyl-2-Pentanone           | 0.537 | 0.500  |            | -6.89  | 50    |
| Toluene                        | 0.830 | 0.798  |            | -3.86  | 50    |
| t-1,3-Dichloropropene          | 0.491 | 0.463  |            | -5.7   | 50    |
| cis-1,3-Dichloropropene        | 0.539 | 0.504  |            | -6.49  | 50    |
| 1,1,2-Trichloroethane          | 0.343 | 0.319  |            | -7     | 50    |
| 2-Hexanone                     | 0.403 | 0.368  |            | -8.69  | 50    |
| Dibromochloromethane           | 0.344 | 0.328  |            | -4.65  | 50    |
| 1,2-Dibromoethane              | 0.346 | 0.336  |            | -2.89  | 50    |
| Tetrachloroethene              | 0.330 | 0.314  |            | -4.85  | 50    |
| Chlorobenzene                  | 1.098 | 1.020  | 0.3        | -7.1   | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.



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Fax : 908 789 8922

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/25/2024 21:12

Lab File ID: VX044002.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.861 | 1.805  |            | -3.01 | 50    |
| m/p-Xylenes                 | 0.694 | 0.668  |            | -3.75 | 50    |
| o-Xylene                    | 0.678 | 0.671  |            | -1.03 | 50    |
| Styrene                     | 1.121 | 1.108  |            | -1.16 | 50    |
| Bromoform                   | 0.240 | 0.233  | 0.1        | -2.92 | 50    |
| Isopropylbenzene            | 3.843 | 3.677  |            | -4.32 | 50    |
| 1,1,2,2-Tetrachloroethane   | 1.316 | 1.241  | 0.3        | -5.7  | 50    |
| 1,3-Dichlorobenzene         | 1.670 | 1.564  |            | -6.35 | 50    |
| 1,4-Dichlorobenzene         | 1.702 | 1.565  |            | -8.05 | 50    |
| 1,2-Dichlorobenzene         | 1.685 | 1.601  |            | -4.99 | 50    |
| 1,2-Dibromo-3-Chloropropane | 0.264 | 0.245  |            | -7.2  | 50    |
| 1,2,4-Trichlorobenzene      | 0.994 | 0.902  |            | -9.26 | 50    |
| 1,2,3-Trichlorobenzene      | 1.006 | 0.974  |            | -3.18 | 50    |
| 1,2-Dichloroethane-d4       | 0.858 | 0.851  |            | -0.82 | 50    |
| Dibromofluoromethane        | 0.357 | 0.350  |            | -1.96 | 50    |
| Toluene-d8                  | 1.232 | 1.189  |            | -3.49 | 50    |
| 4-Bromofluorobenzene        | 0.419 | 0.404  |            | -3.58 | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:56:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 127411     | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 230970     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 194454     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 92098      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 108399     | 49.603  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 99.200% |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 80883      | 49.008  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.020% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 274647     | 48.276  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 96.560% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 93312      | 48.195  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 96.380% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 71081      | 44.038  | ug/l   | 99       |
| 3) Chloromethane             | 1.294          | 50   | 78664      | 46.313  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 80918      | 44.790  | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 52450      | 47.193  | ug/l   | 99       |
| 6) Chloroethane              | 1.660          | 64   | 46244      | 42.008  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 165837     | 51.343  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 55362      | 47.026  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 68534      | 44.482  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.441          | 142  | 91928      | 47.774  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 3.008          | 59   | 75117      | 214.153 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 66473      | 45.277  | ug/l   | 97       |
| 13) Acrolein                 | 2.239          | 56   | 81340      | 220.005 | ug/l   | 100      |
| 14) Allyl chloride           | 2.654          | 41   | 111152     | 46.334  | ug/l   | 96       |
| 15) Acrylonitrile            | 3.068          | 53   | 194832     | 227.931 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 182019     | 181.348 | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.502          | 76   | 123054     | 40.633  | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 108592     | 46.459  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 257713     | 48.344  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 78049      | 45.823  | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 70242      | 46.341  | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.763          | 45   | 248793     | 48.501  | ug/l   | 97       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1067324    | 243.229 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 143036     | 48.335  | ug/l   | 99       |
| 25) 2-Butanone               | 4.562          | 43   | 280296     | 216.431 | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 113002     | 42.282  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 87798      | 46.860  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 60444      | 46.403  | ug/l   | 94       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 178100     | 224.316 | ug/l   | 99       |
| 30) Chloroform               | 5.093          | 83   | 154278     | 48.472  | ug/l   | 97       |
| 31) Cyclohexane              | 5.458          | 56   | 110406     | 45.330  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 136540     | 49.746  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 97191      | 47.258  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 112998     | 44.263  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 107711     | 46.611  | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.373          | 83   | 115415     | 43.198  | ug/l   | 97       |
| 40) Benzene                  | 6.031          | 78   | 302293     | 47.188  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:56:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 59772    | 45.746  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 121500   | 47.224  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 187057   | 46.041  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 74936    | 41.321  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 75945    | 48.403  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 60872    | 49.045  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 108968   | 48.953  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 89938    | 46.134  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 26983    | 777.017 | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 577015   | 232.731 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 184390   | 48.090  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 106834   | 47.064  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 116499   | 46.816  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 73702    | 46.565  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 119993   | 48.673  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 126279   | 47.362  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 307827   | 227.585 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 425456   | 228.307 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 75667    | 47.648  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 77546    | 48.453  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 61147    | 47.689  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 198294   | 46.431  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 68431    | 49.406  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 350901   | 48.488  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 259765   | 96.253  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 130506   | 49.529  | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 215539   | 49.457  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 45268    | 43.484  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 338668   | 47.838  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 162298   | 49.487  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 114325   | 47.162  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 92588m   | 45.843  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 79395    | 47.012  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 375124   | 47.443  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 230455   | 46.093  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 282567   | 48.515  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 31367    | 42.379  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 266480   | 47.210  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 279783   | 48.465  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 281922   | 48.618  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 336886   | 47.629  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 282100   | 49.100  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 144052   | 46.833  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 144135   | 45.963  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 241187   | 47.613  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 44297    | 45.341  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 147432   | 47.496  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 22554    | 46.434  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 83033    | 45.372  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 34135    | 47.196  | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 317925   | 48.261  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 89710    | 48.432  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX044002.D  
Acq On : 25 Nov 2024 21:12  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Manual Integrations  
**APPROVED**

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:56:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050EC

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

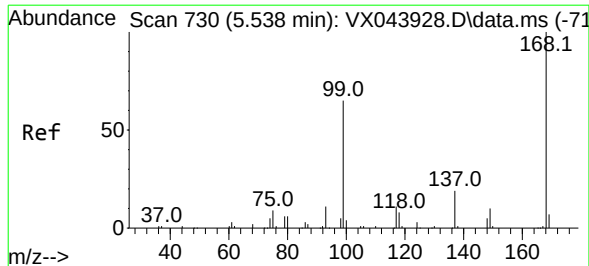
Abundance

TIC: VX044002.D\data.ms

Time-->

1,1,1-Trichloroethane, T  
1,1,2-Dichloroethane, T  
trans-1,2-Dichloroethene, T  
Vinyl Acetate, T  
Toluene, T  
2-Chloroethyl Vinyl ether, T  
4-Methyl-2-Pentanone, T  
2-Hexanone, T  
Tetrachloroethene, T  
1,1,1,2-Tetrachloroethane, T  
Chlorobenzene, T  
Ethyl Benzene, C  
n-Propylbenzene, T  
Styrene, T  
Isopropylbenzene, T  
4-Bromofluorobenzene, T  
1,2,3-Trichlorobenzene, T  
2-Chlorotoluene, T  
1,3-Dichlorobenzene, T  
1,2,4-Trichlorobenzene, T  
sec-Butylbenzene, T  
tert-Butylbenzene, T  
1,2-Dichlorobenzene, T  
Hexachloroethane, T  
1,2,4-Trichlorobenzene, T  
Naphthalene, T  
1,2,3-Trichlorobenzene, T





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 127411

Ion Ratio Lower Upper

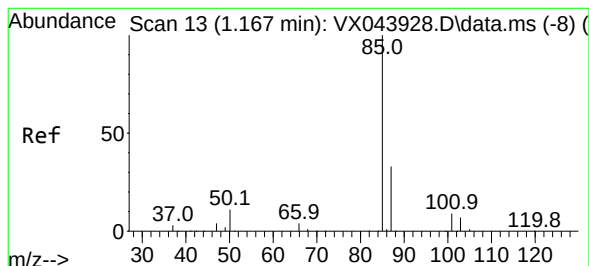
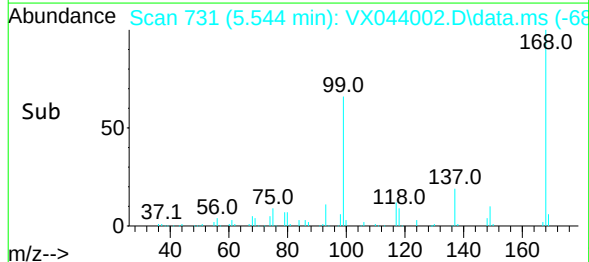
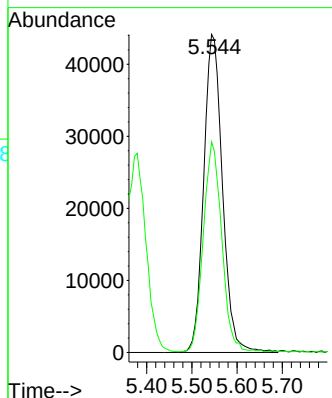
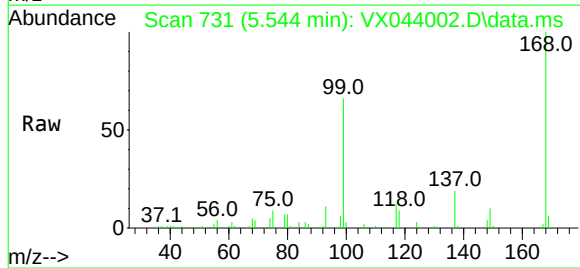
168 100

99 66.0 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#2

Dichlorodifluoromethane

Concen: 44.038 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX044002.D

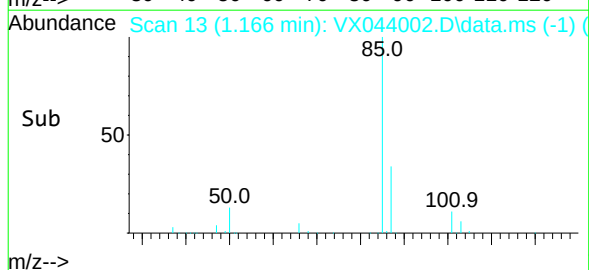
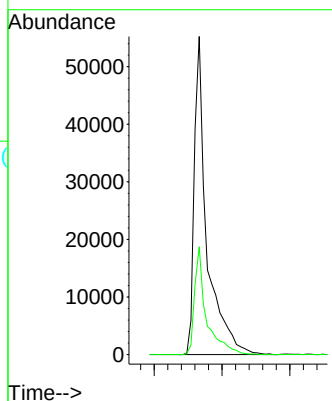
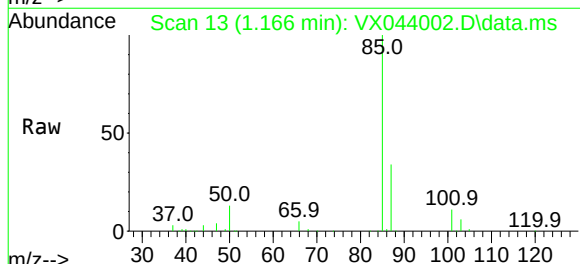
Acq: 25 Nov 2024 21:12

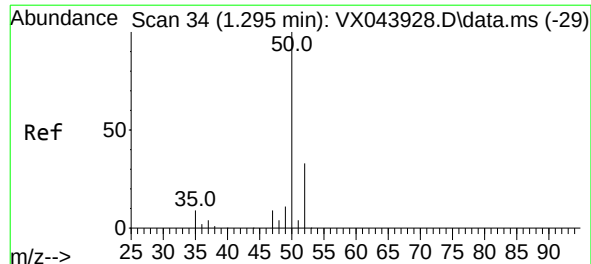
Tgt Ion: 85 Resp: 71081

Ion Ratio Lower Upper

85 100

87 33.9 16.6 49.8





#3

Chloromethane

Concen: 46.313 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 78664

Ion Ratio Lower Upper

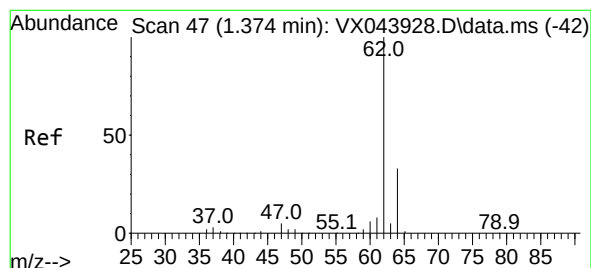
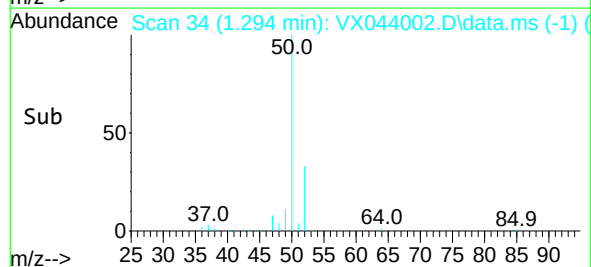
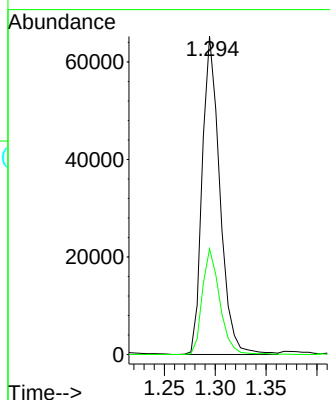
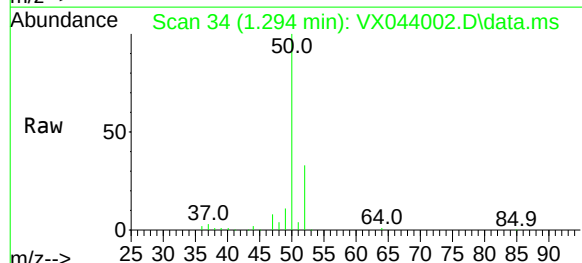
50 100

52 33.2 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#4

Vinyl Chloride

Concen: 44.790 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044002.D

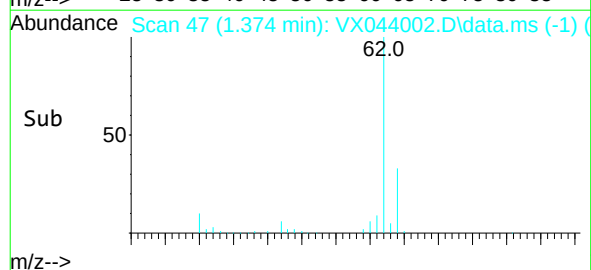
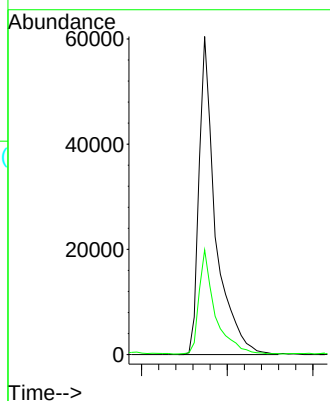
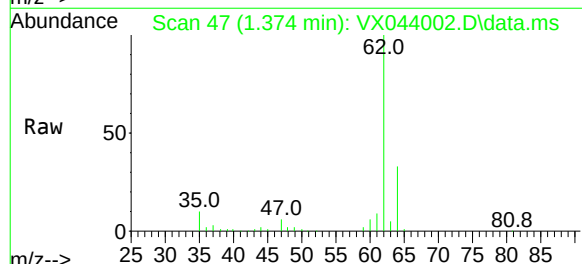
Acq: 25 Nov 2024 21:12

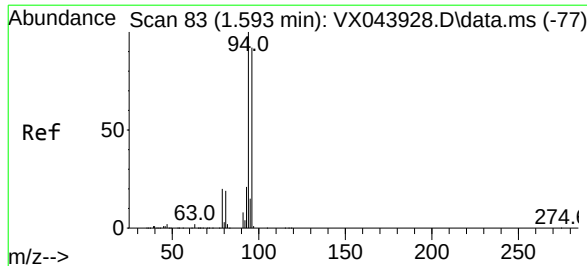
Tgt Ion: 62 Resp: 80918

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.4





#5

Bromomethane

Concen: 47.193 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 52450

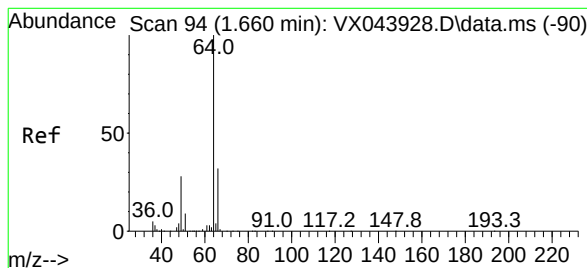
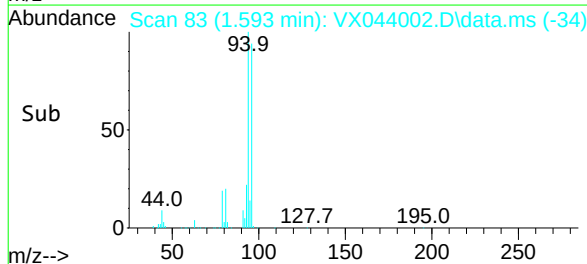
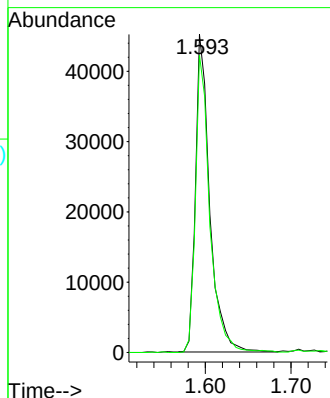
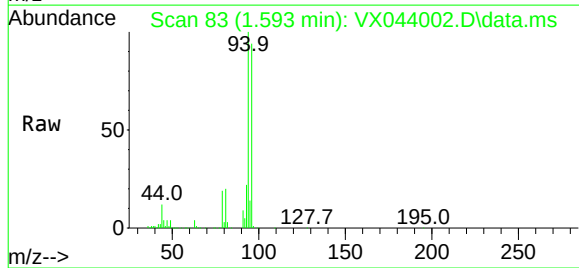
Ion Ratio Lower Upper

94 100

96 93.7 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#6

Chloroethane

Concen: 42.008 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX044002.D

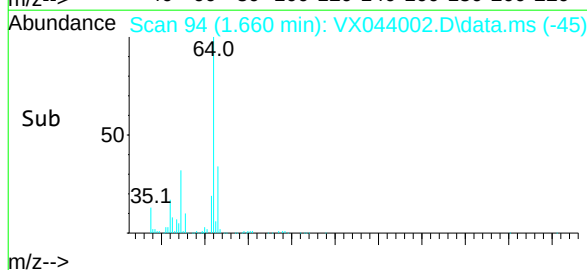
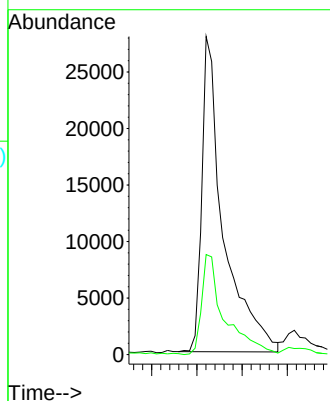
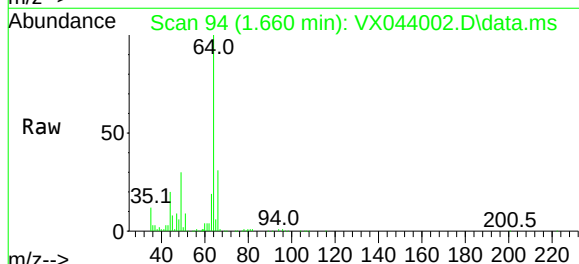
Acq: 25 Nov 2024 21:12

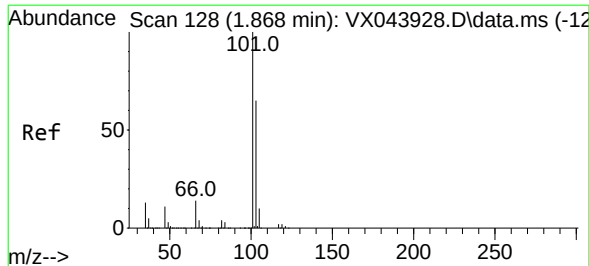
Tgt Ion: 64 Resp: 46244

Ion Ratio Lower Upper

64 100

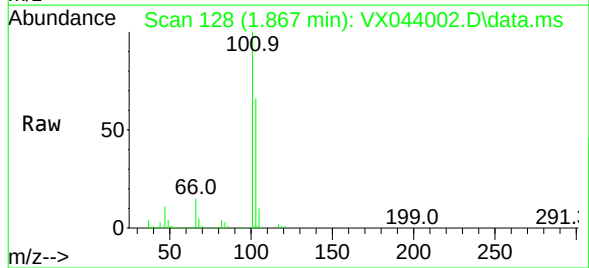
66 31.4 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 51.343 ug/l  
RT: 1.867 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

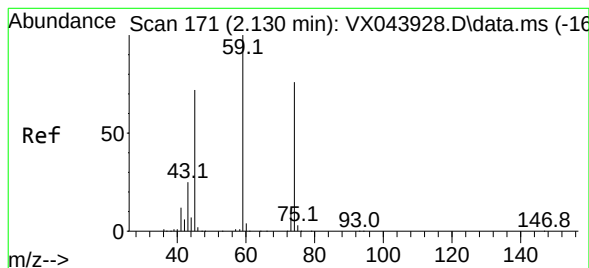
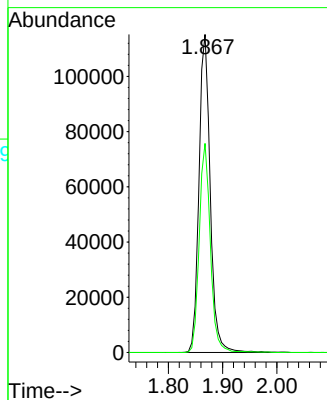
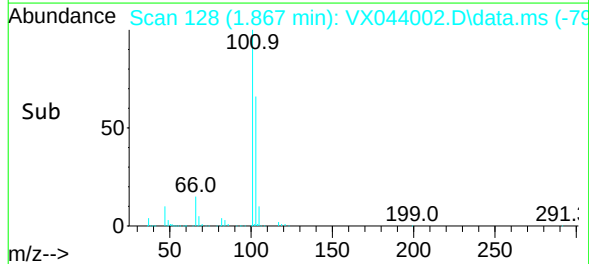
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 101 Resp: 165837  
Ion Ratio Lower Upper  
101 100  
103 65.7 52.2 78.2

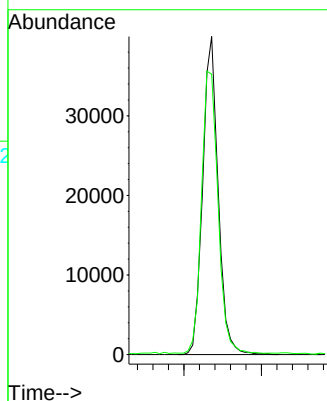
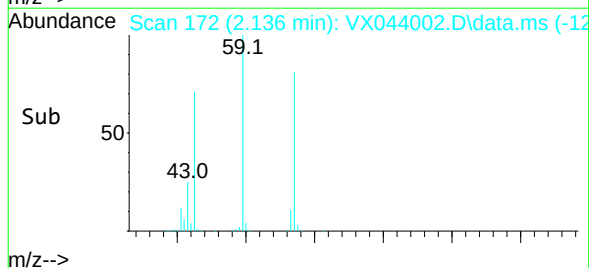
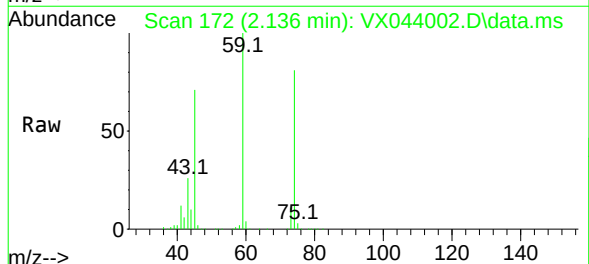
Manual Integrations  
APPROVED

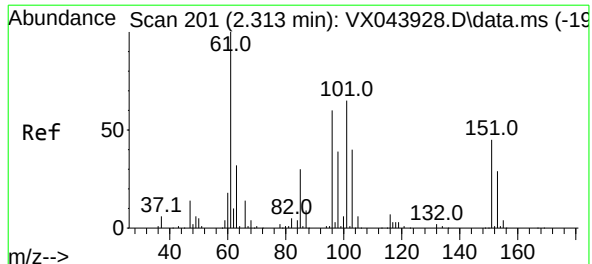
Reviewed By : Mahesh Dadoda 11/26/2024  
Supervised By : Semsettin Yesilyurt 11/26/2024



#8  
Diethyl Ether  
Concen: 47.026 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 74 Resp: 55362  
Ion Ratio Lower Upper  
74 100  
45 94.1 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.482 ug/l

RT: 2.313 min Scan# 201

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

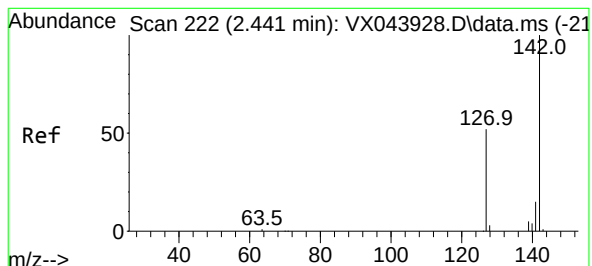
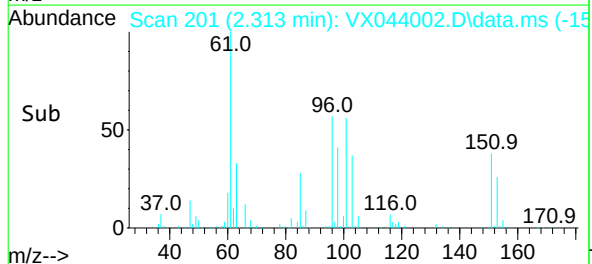
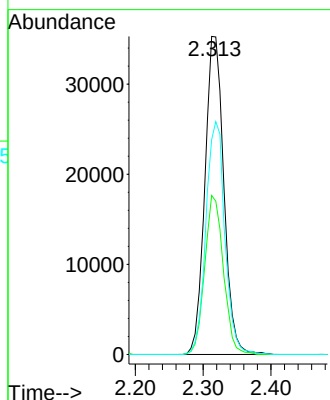
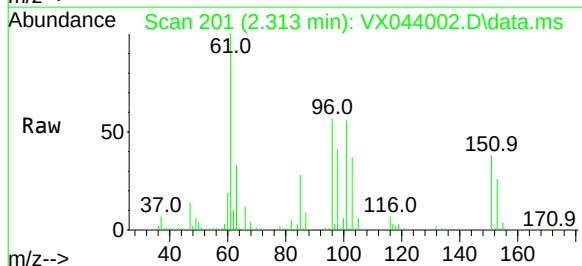
VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 68534 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 49.3  | 37.9  | 56.9  |
| 151       | 73.3  | 57.5  | 86.3  |

## Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#10

Methyl Iodide

Concen: 47.774 ug/l

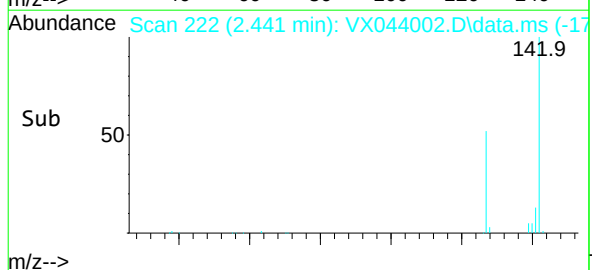
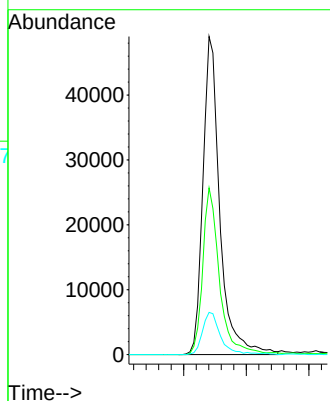
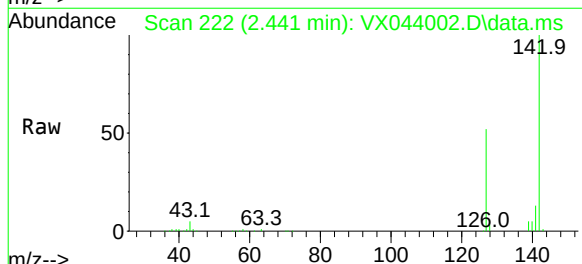
RT: 2.441 min Scan# 222

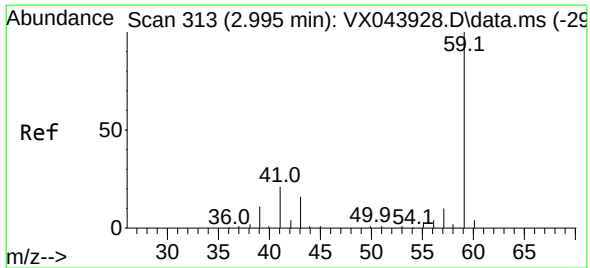
Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 91928 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 52.2  | 40.7  | 61.1  |
| 141       | 14.3  | 12.0  | 18.0  |





#11

Tert butyl alcohol

Concen: 214.153 ug/l

RT: 3.008 min Scan# 31

Delta R.T. 0.012 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 75117

Ion Ratio Lower Upper

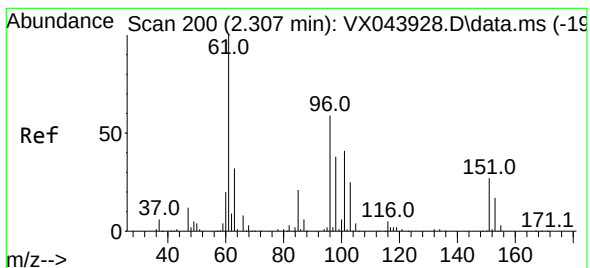
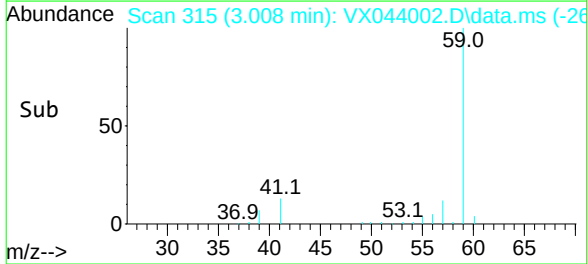
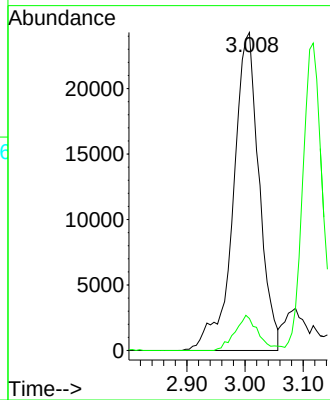
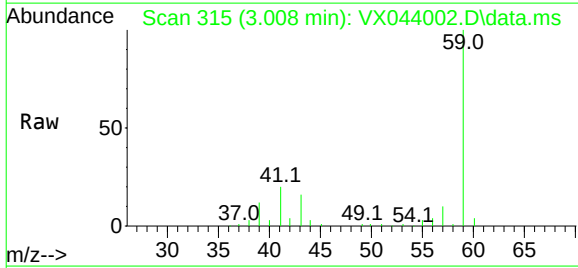
59 100

57 10.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#12

1,1-Dichloroethene

Concen: 45.277 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

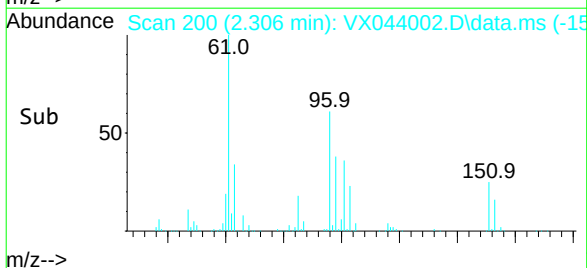
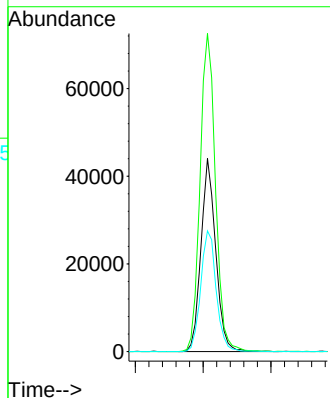
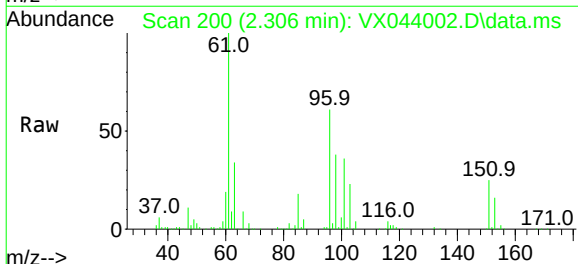
Tgt Ion: 96 Resp: 66473

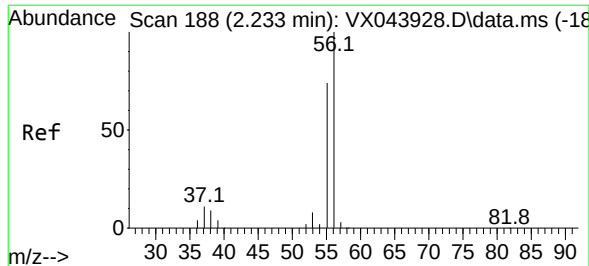
Ion Ratio Lower Upper

96 100

61 164.7 135.5 203.3

98 62.5 50.8 76.2





#13

Acrolein

Concen: 220.005 ug/l

RT: 2.239 min Scan# 18

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 81340

Ion Ratio Lower Upper

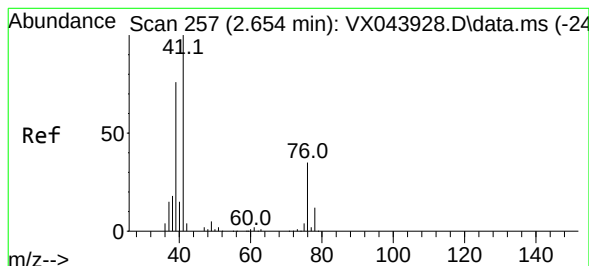
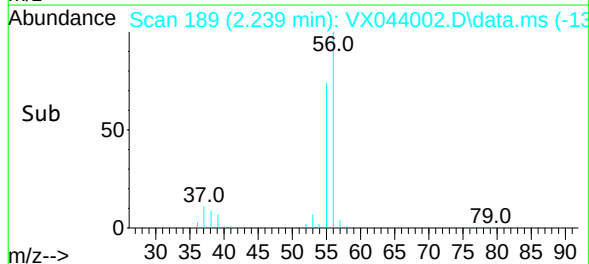
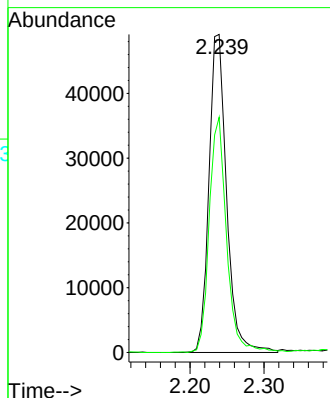
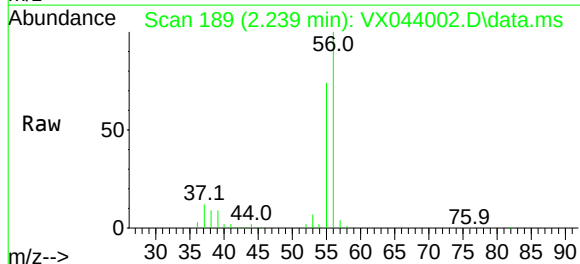
56 100

55 72.9 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#14

Allyl chloride

Concen: 46.334 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

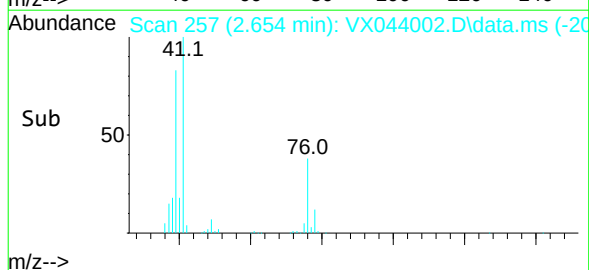
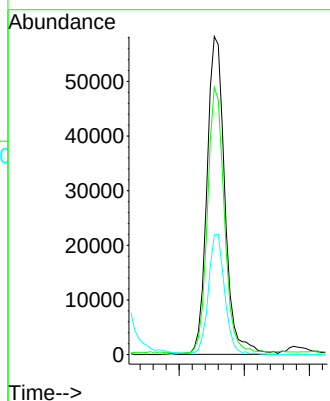
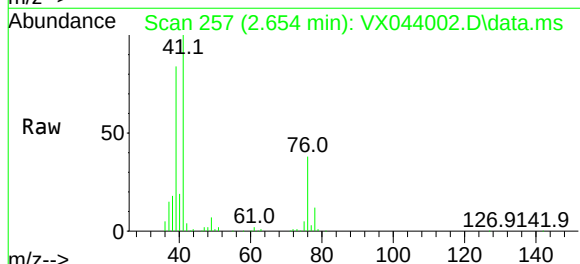
Tgt Ion: 41 Resp: 111152

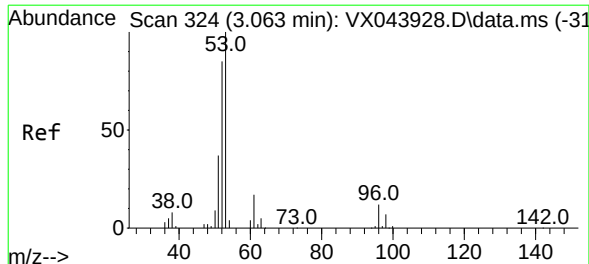
Ion Ratio Lower Upper

41 100

39 78.5 59.5 89.3

76 34.7 27.4 41.2





#15

Acrylonitrile

Concen: 227.931 ug/l

RT: 3.068 min Scan# 324

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 194832

Ion Ratio Lower Upper

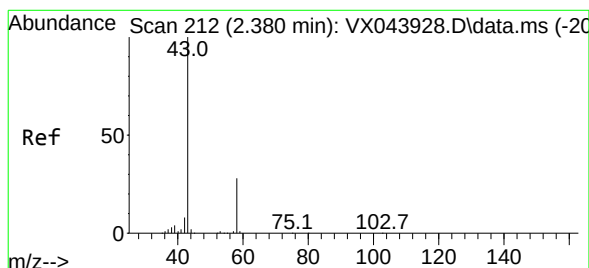
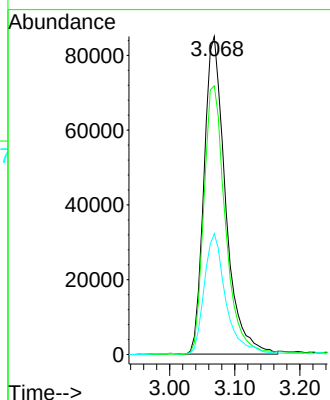
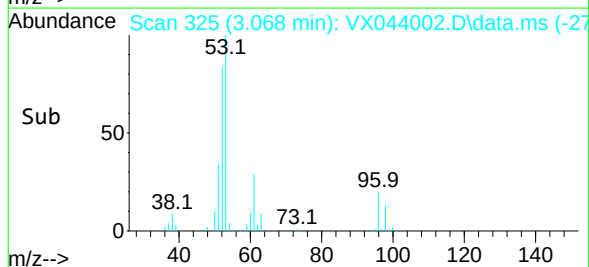
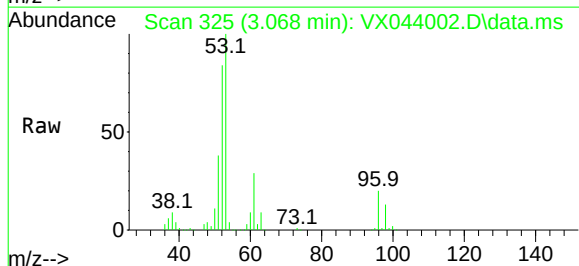
53 100

52 84.6 66.5 99.7

51 38.0 30.2 45.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#16

Acetone

Concen: 181.348 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044002.D

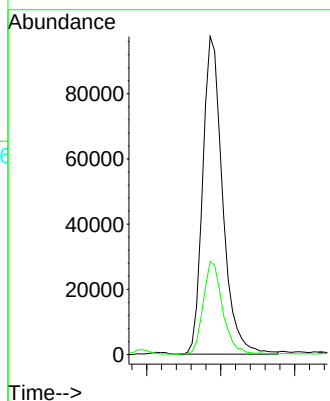
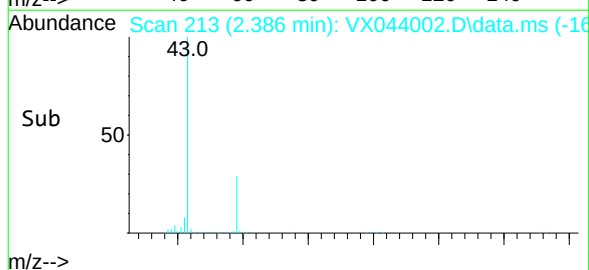
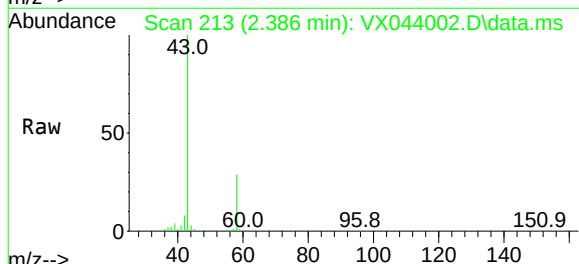
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 182019

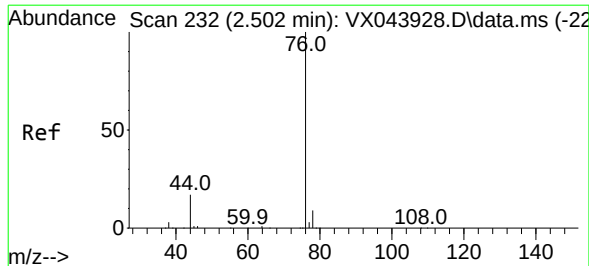
Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1







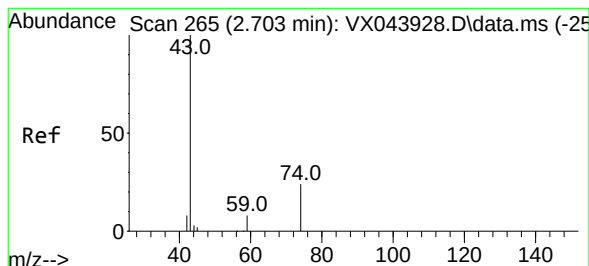
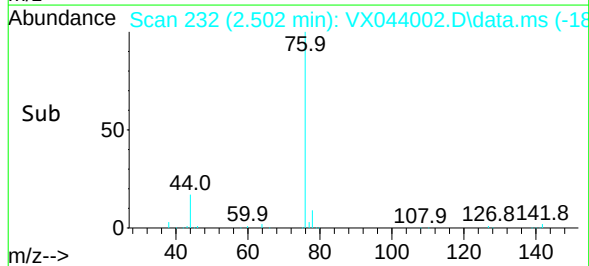
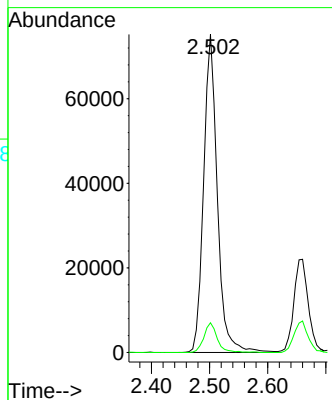
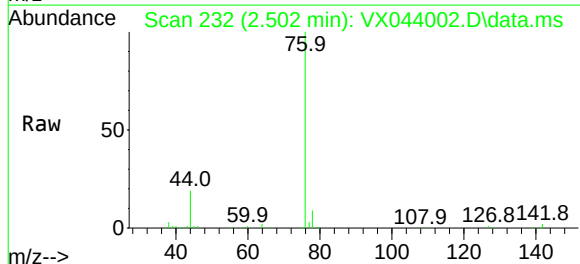
#17  
Carbon Disulfide  
Concen: 40.633 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 123054  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6

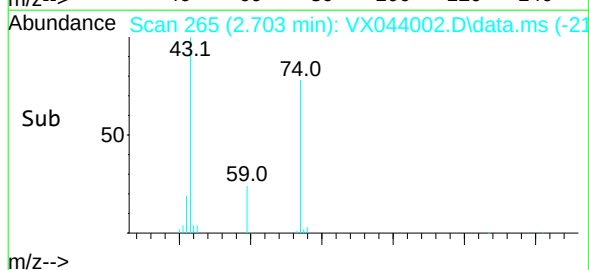
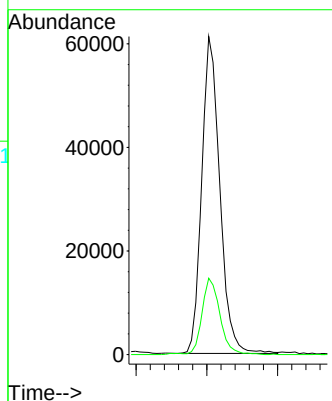
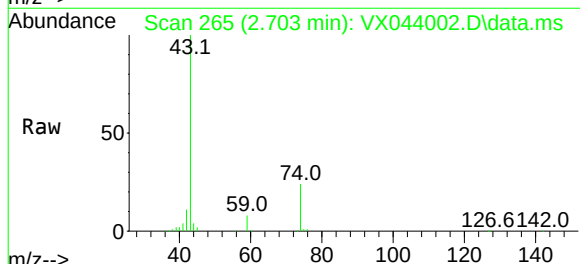
Manual Integrations  
**APPROVED**

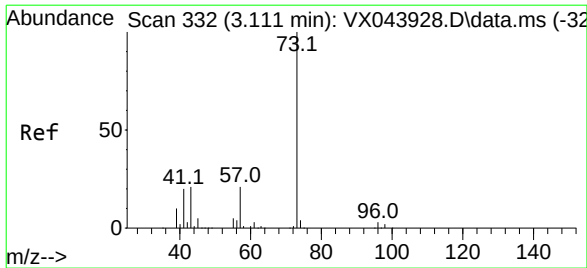
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#18  
Methyl Acetate  
Concen: 46.459 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 108592  
Ion Ratio Lower Upper  
43 100  
74 23.8 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.344 ug/l

RT: 3.117 min Scan# 33

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 257713

Ion Ratio Lower Upper

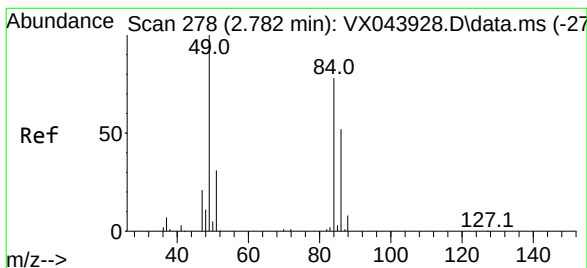
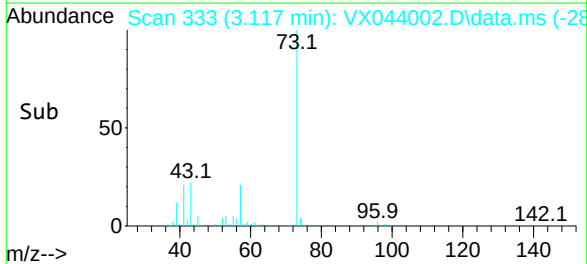
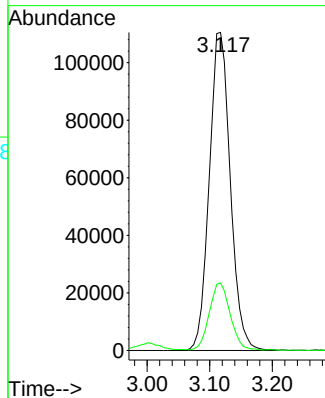
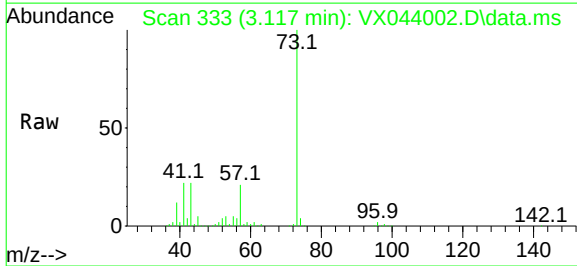
73 100

57 21.1 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#20

Methylene Chloride

Concen: 45.823 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Tgt Ion: 84 Resp: 78049

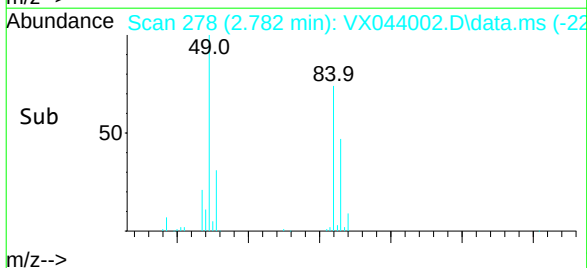
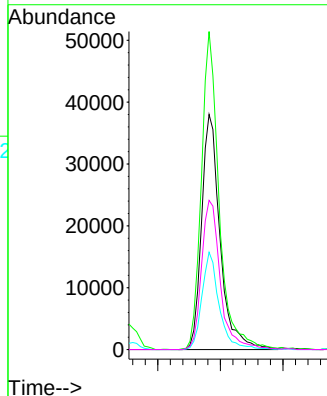
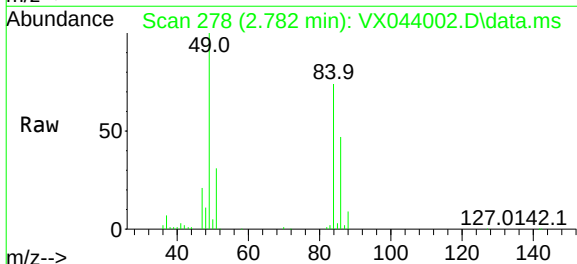
Ion Ratio Lower Upper

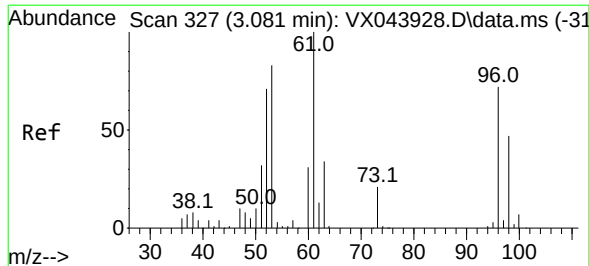
84 100

49 135.2 102.7 154.1

51 41.4 31.7 47.5

86 63.4 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 46.341 ug/l

RT: 3.081 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 70242

Ion Ratio Lower Upper

96 100

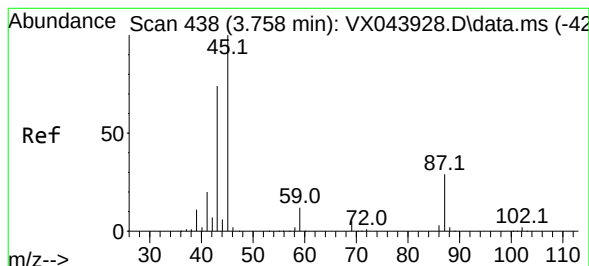
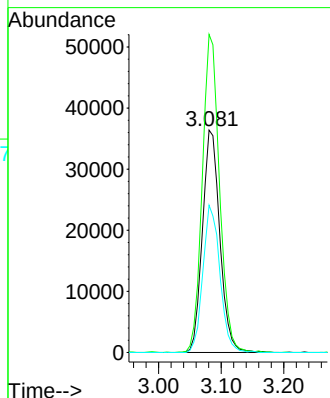
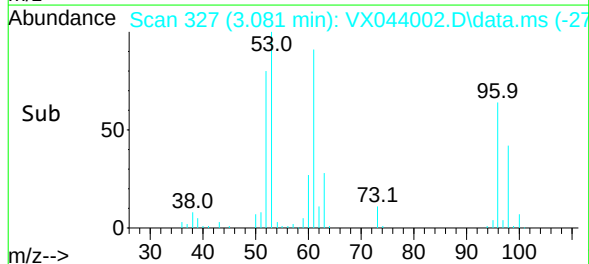
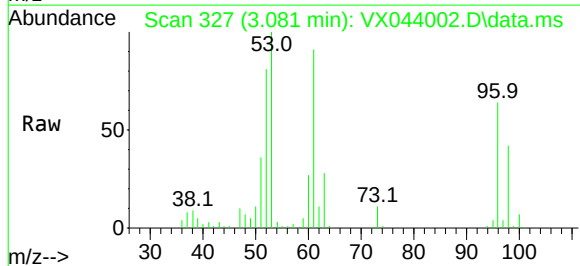
61 143.0 111.8 167.6

98 66.2 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#22

Diisopropyl ether

Concen: 48.501 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Tgt Ion: 45 Resp: 248793

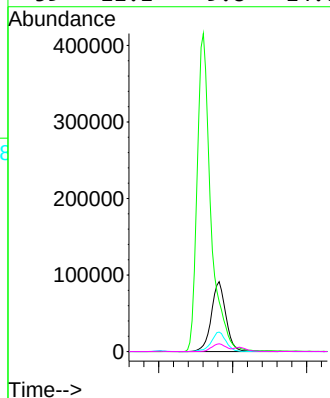
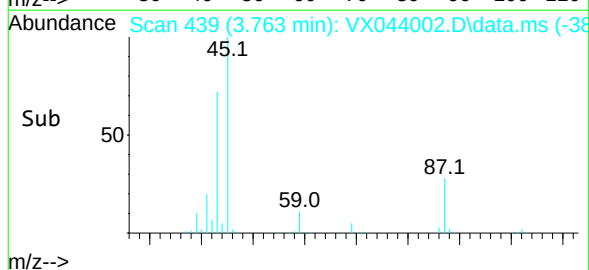
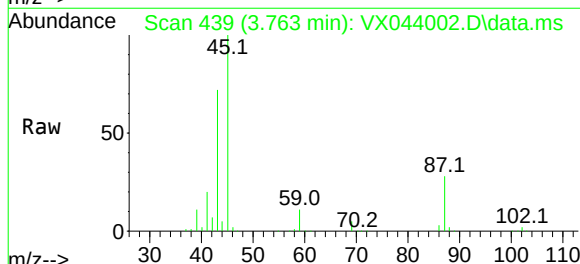
Ion Ratio Lower Upper

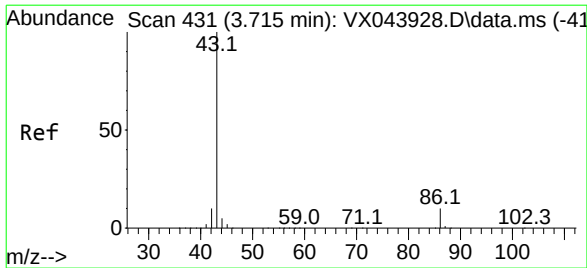
45 100

43 71.6 59.6 89.4

87 27.9 22.9 34.3

59 11.1 9.8 14.6





#23

Vinyl Acetate

Concen: 243.229 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1067324

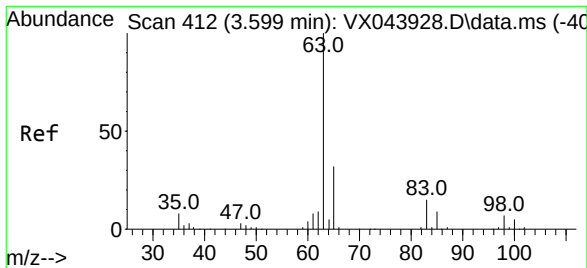
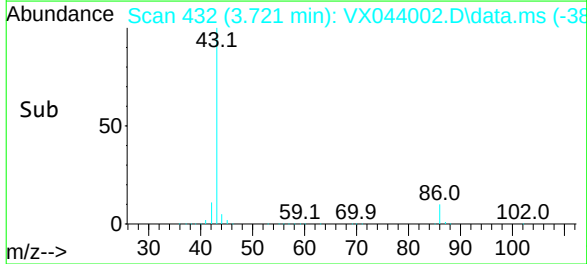
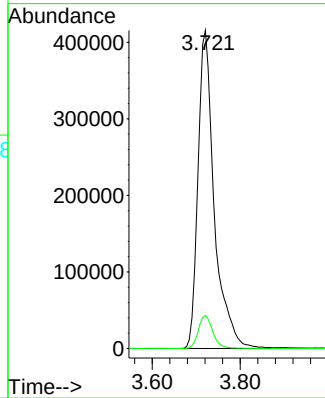
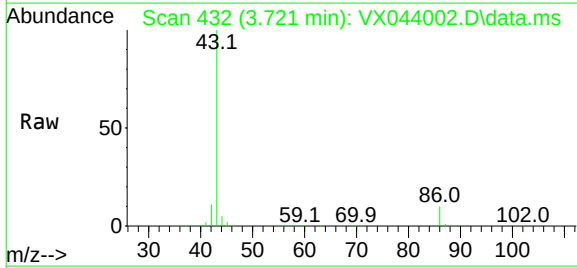
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 86  | 10.4  | 8.3   | 12.5  |

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#24

1,1-Dichloroethane

Concen: 48.335 ug/l

RT: 3.605 min Scan# 413

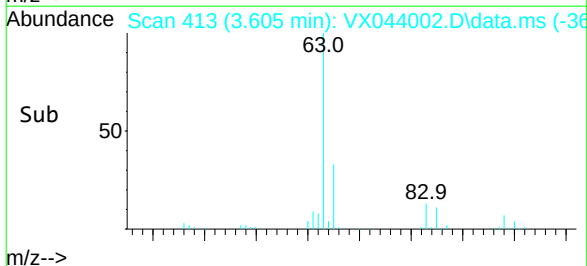
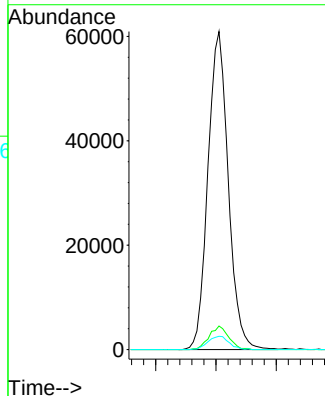
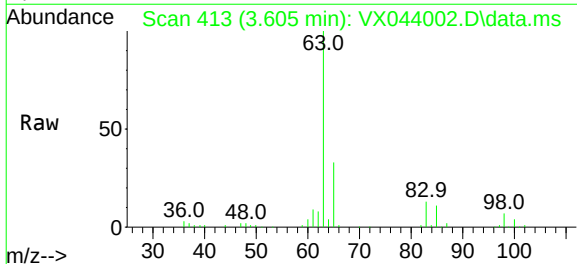
Delta R.T. 0.006 min

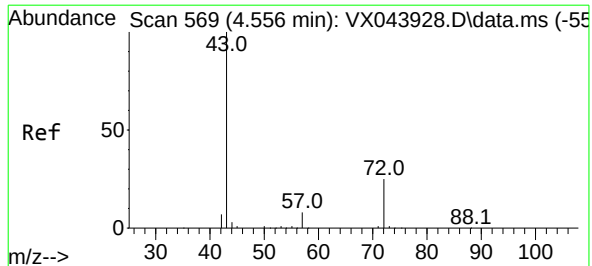
Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 143036

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 63  | 100   |       |       |
| 98  | 7.4   | 3.5   | 10.6  |
| 100 | 4.2   | 2.4   | 7.1   |





#25

2-Butanone

Concen: 216.431 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 280296

Ion Ratio Lower Upper

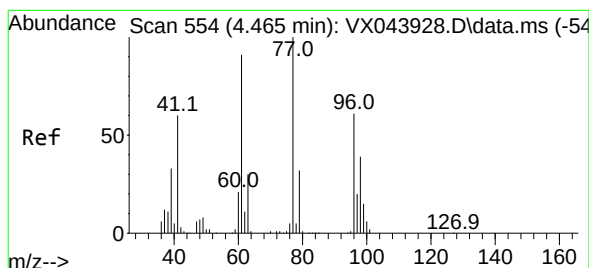
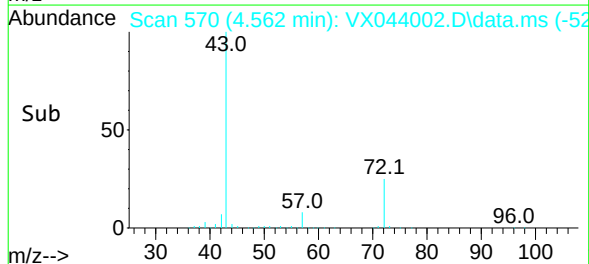
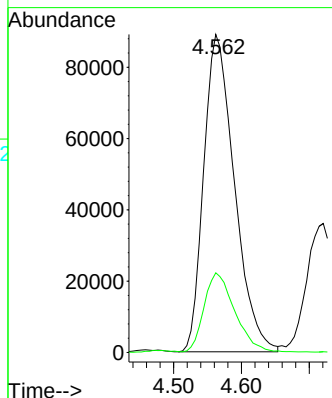
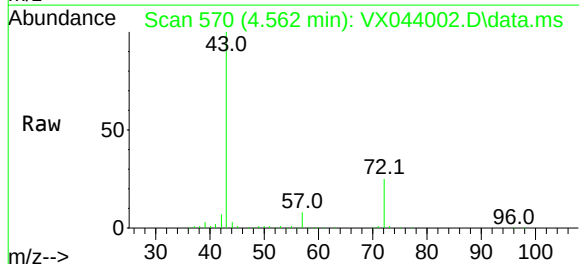
43 100

72 24.9 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#26

2,2-Dichloropropane

Concen: 42.282 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX044002.D

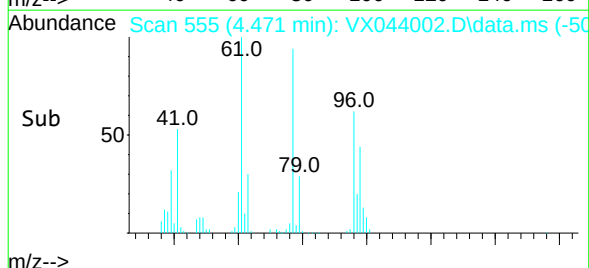
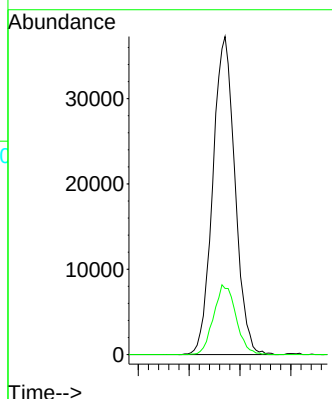
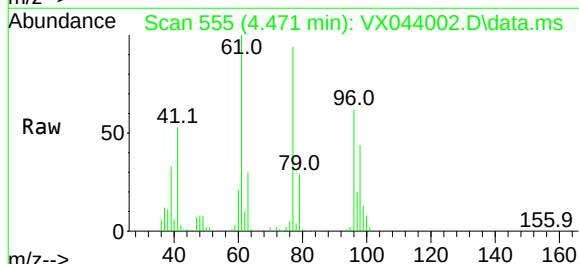
Acq: 25 Nov 2024 21:12

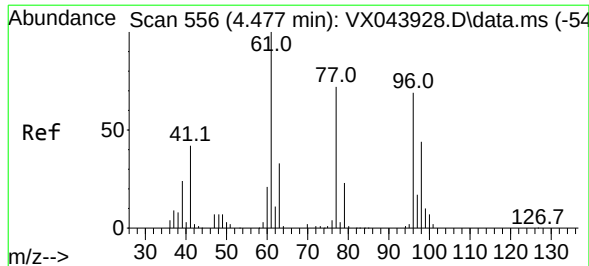
Tgt Ion: 77 Resp: 113002

Ion Ratio Lower Upper

77 100

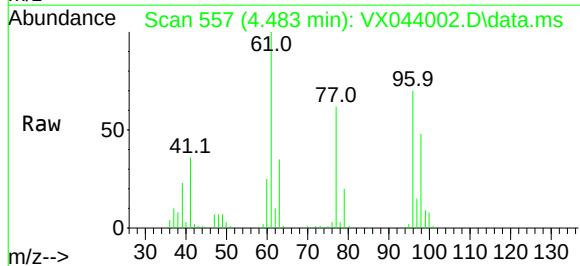
97 22.1 10.8 32.3





#27  
cis-1,2-Dichloroethene  
Concen: 46.860 ug/l  
RT: 4.483 min Scan# 556  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

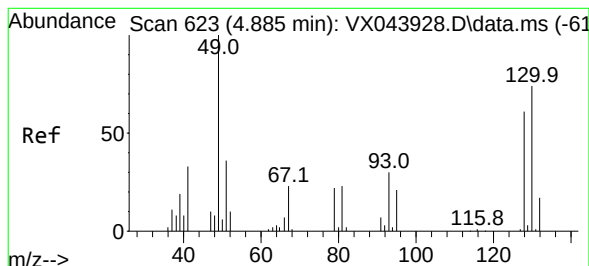
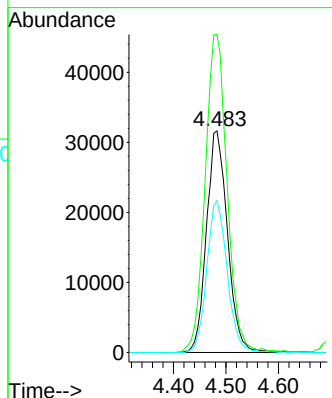
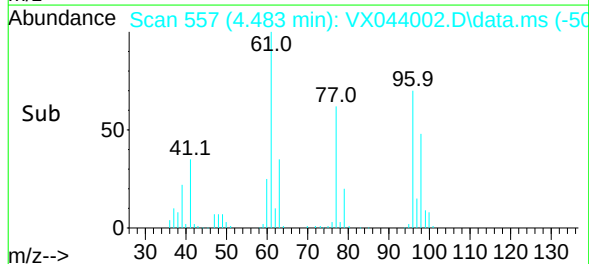
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 96 Resp: 87798  
Ion Ratio Lower Upper  
96 100  
61 149.4 0.0 297.4  
98 66.9 0.0 127.8

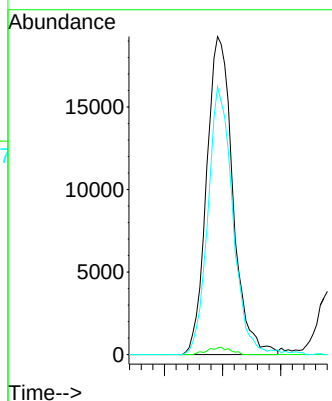
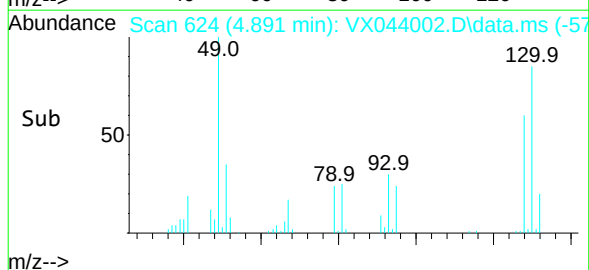
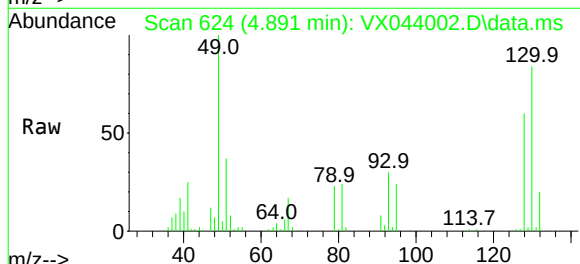
Manual Integrations  
APPROVED

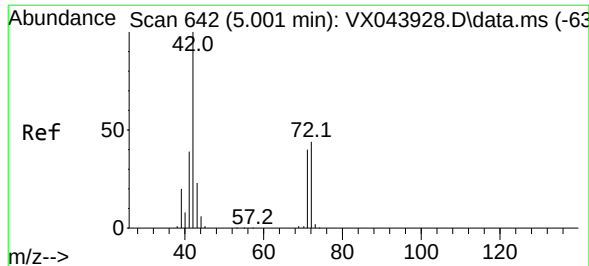
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#28  
Bromochloromethane  
Concen: 46.403 ug/l  
RT: 4.891 min Scan# 624  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 49 Resp: 60444  
Ion Ratio Lower Upper  
49 100  
129 2.0 0.0 4.0  
130 79.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 224.316 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 178100

Ion Ratio Lower Upper

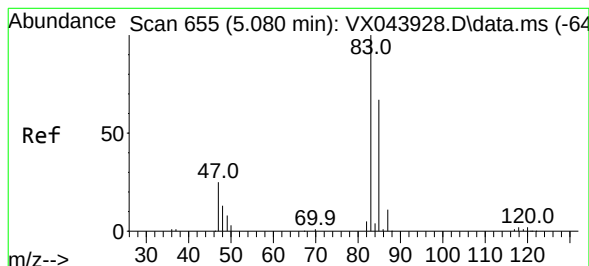
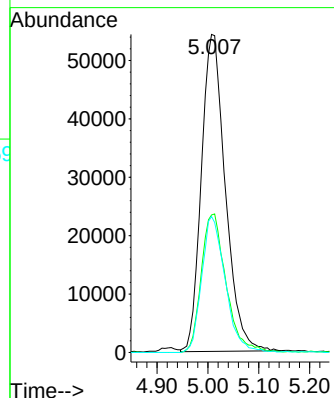
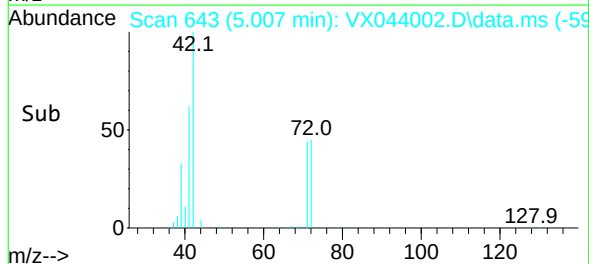
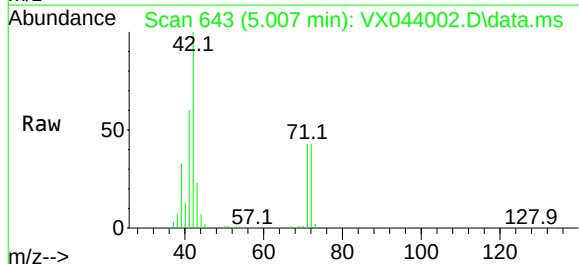
42 100

72 45.2 36.4 54.6

71 42.1 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#30

Chloroform

Concen: 48.472 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044002.D

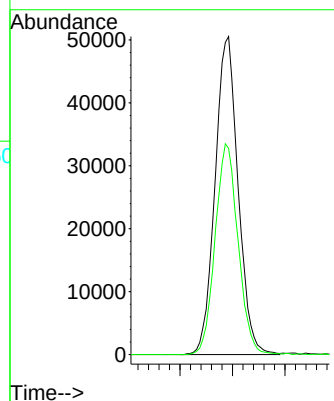
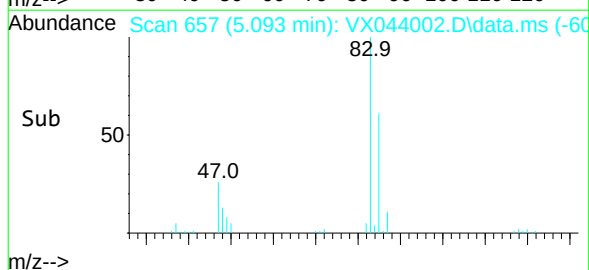
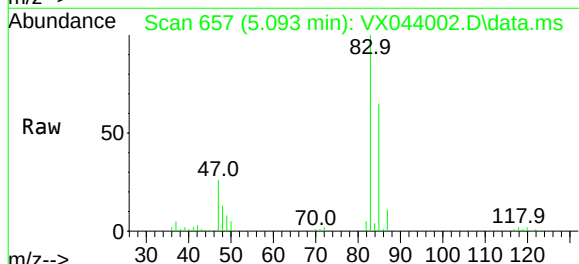
Acq: 25 Nov 2024 21:12

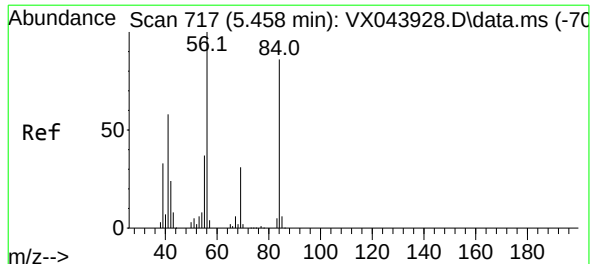
Tgt Ion: 83 Resp: 154278

Ion Ratio Lower Upper

83 100

85 64.8 53.5 80.3





#31

Cyclohexane

Concen: 45.330 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044002.D

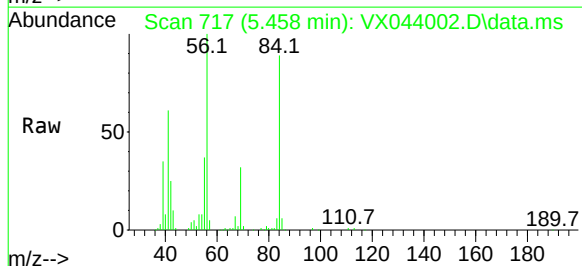
Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 56 Resp: 110406

Ion Ratio Lower Upper

56 100

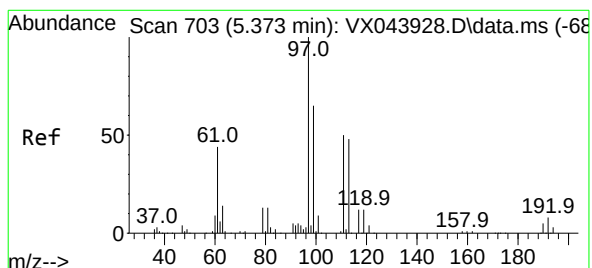
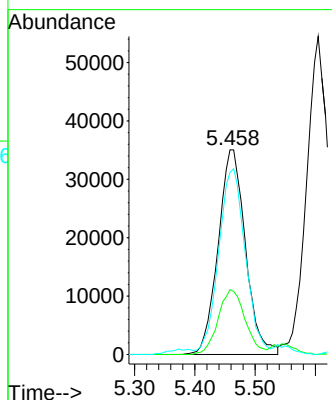
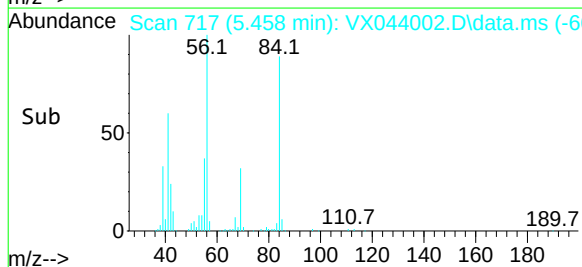
69 31.7 24.7 37.1

84 86.3 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#32

1,1,1-Trichloroethane

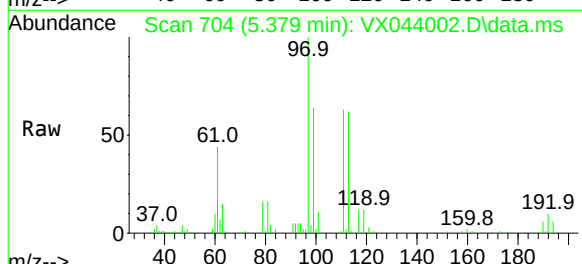
Concen: 49.746 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12



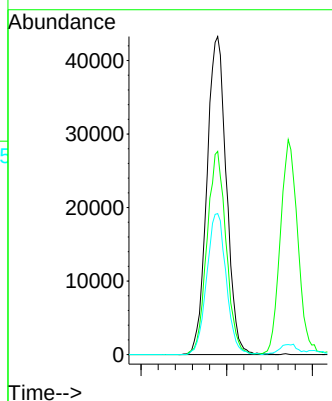
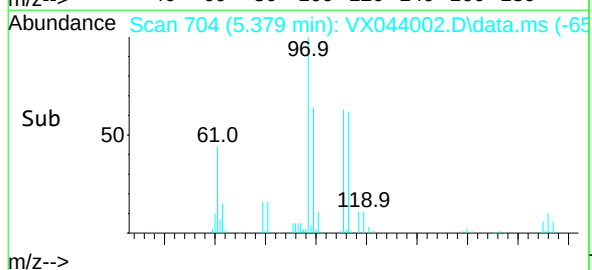
Tgt Ion: 97 Resp: 136540

Ion Ratio Lower Upper

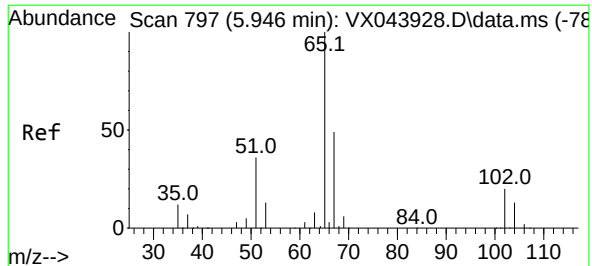
97 100

99 62.7 50.8 76.2

61 44.4 35.4 53.2

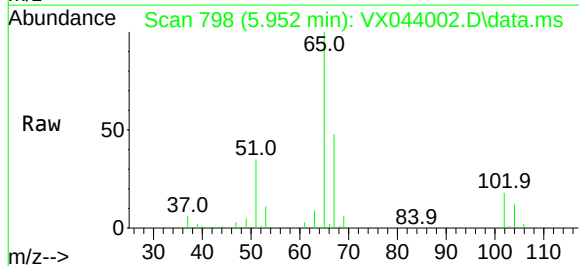






#33  
1,2-Dichloroethane-d4  
Concen: 49.603 ug/l  
RT: 5.952 min Scan# 797  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

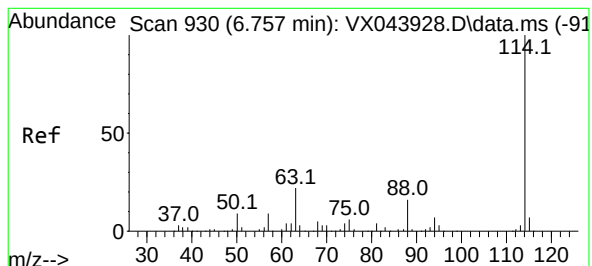
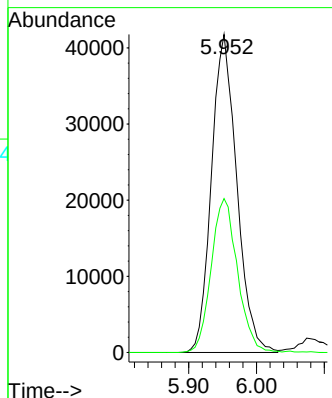
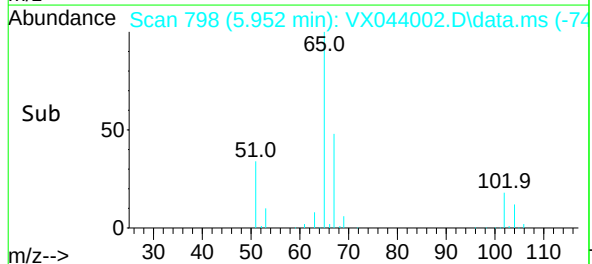
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 65 Resp: 108399  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 100.8

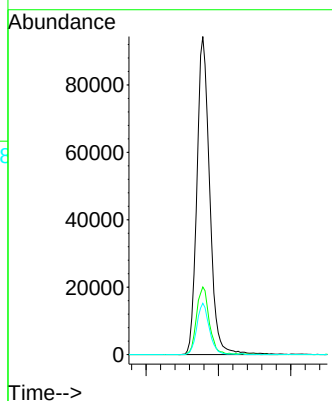
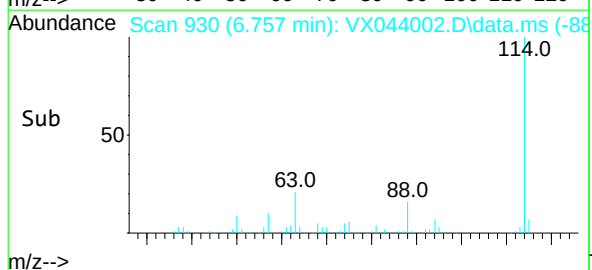
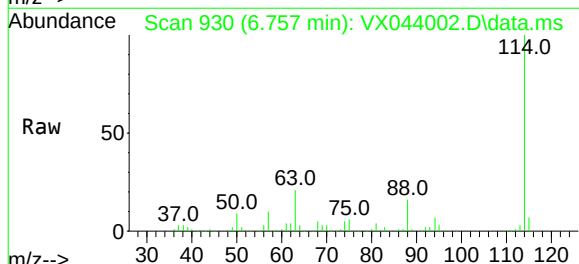
Manual Integrations  
APPROVED

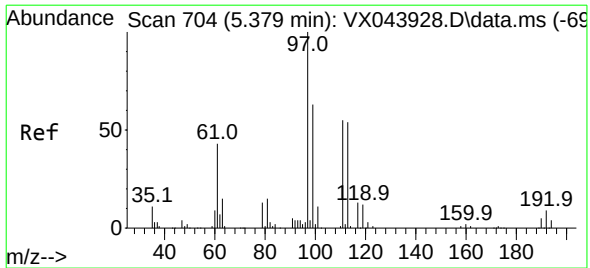
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion:114 Resp: 230970  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 44.0  
88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.008 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:113 Resp: 80883

Ion Ratio Lower Upper

113 100

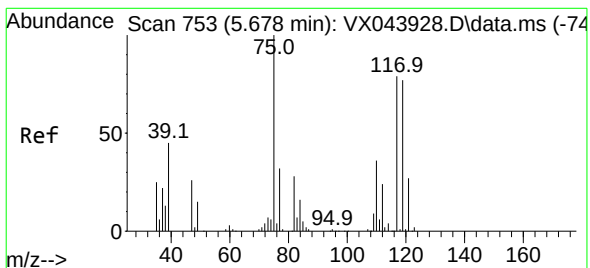
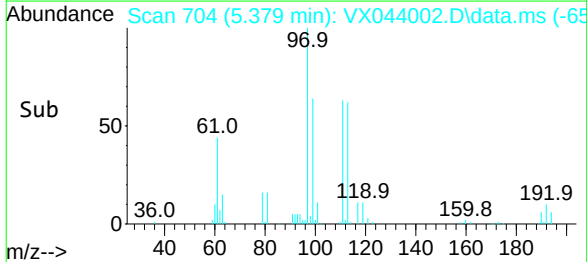
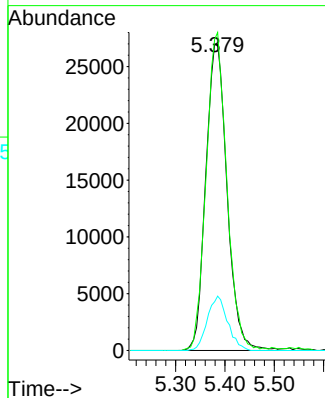
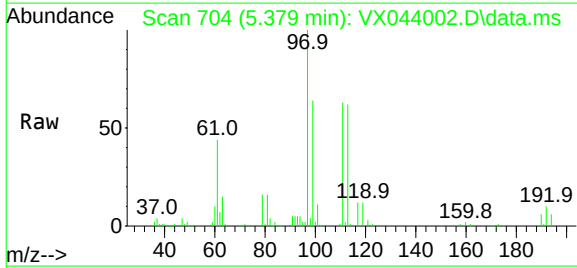
111 101.1 81.0 121.4

192 16.9 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#36

1,1-Dichloropropene

Concen: 47.258 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

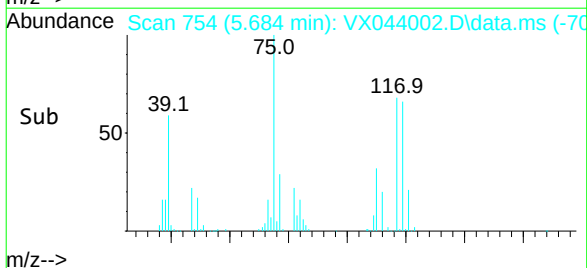
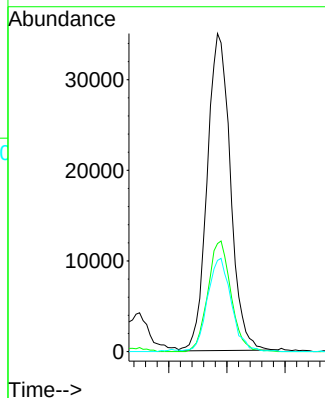
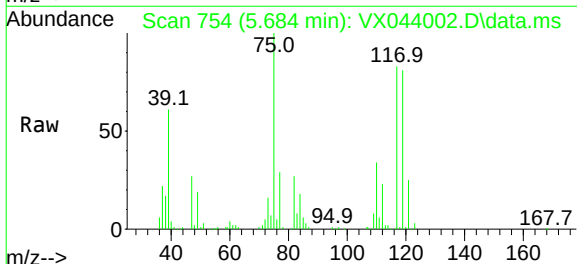
Tgt Ion: 75 Resp: 97191

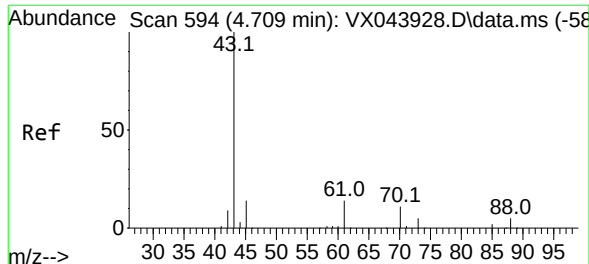
Ion Ratio Lower Upper

75 100

110 34.7 17.4 52.2

77 30.2 25.8 38.8





#37

Ethyl Acetate

Concen: 44.263 ug/l

RT: 4.721 min Scan# 594

Delta R.T. 0.012 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 112998

Ion Ratio Lower Upper

43 100

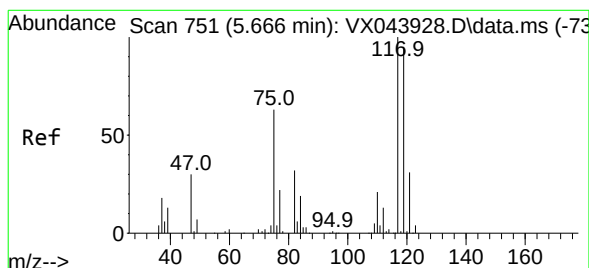
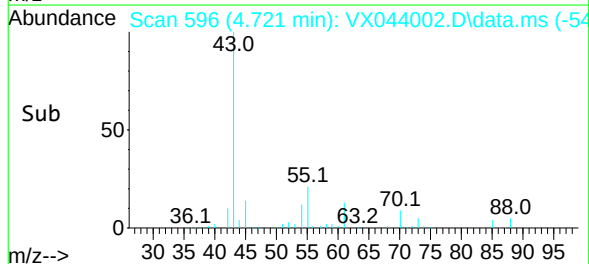
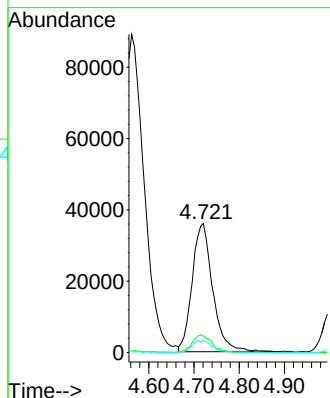
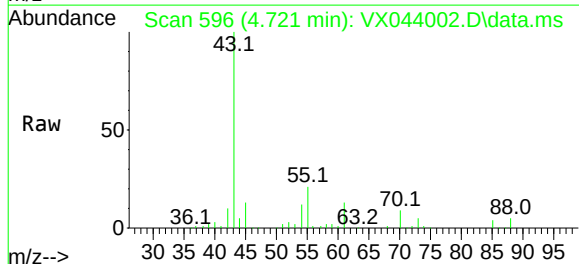
61 12.8 10.7 16.1

70 9.3 8.0 12.0

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#38

Carbon Tetrachloride

Concen: 46.611 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

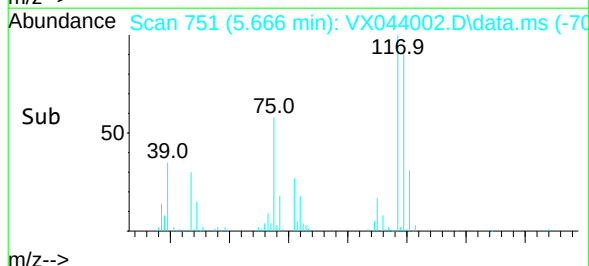
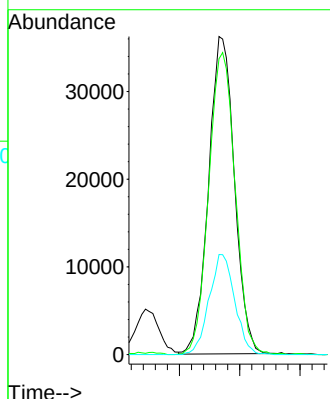
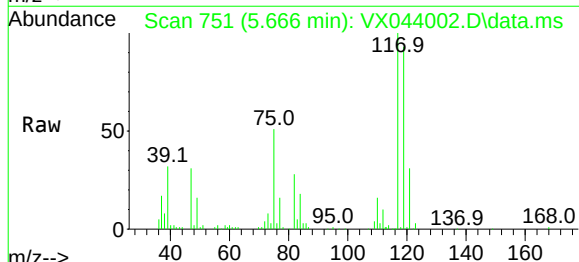
Tgt Ion:117 Resp: 107711

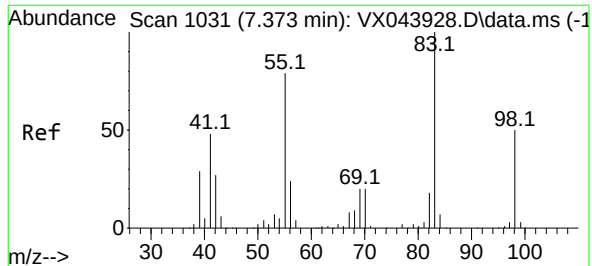
Ion Ratio Lower Upper

117 100

119 93.1 75.2 112.8

121 31.6 24.5 36.7





#39

Methylcyclohexane

Concen: 43.198 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 115415

Ion Ratio Lower Upper

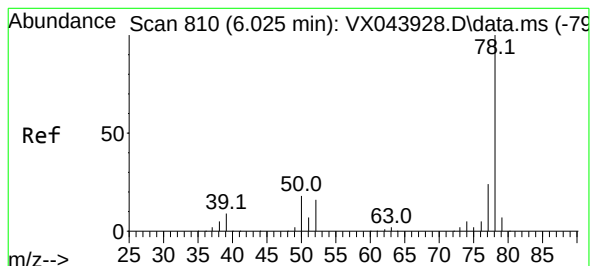
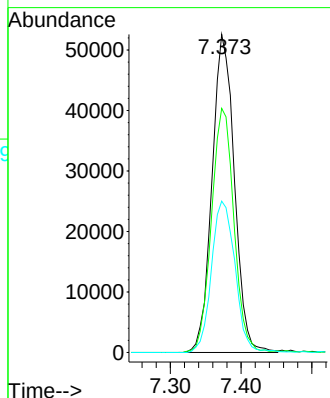
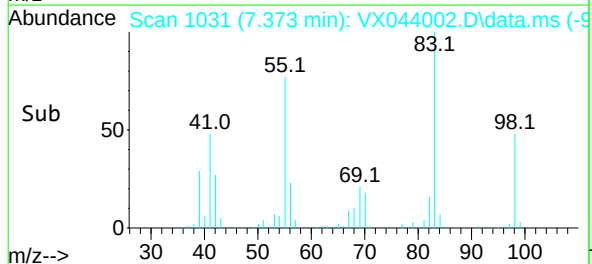
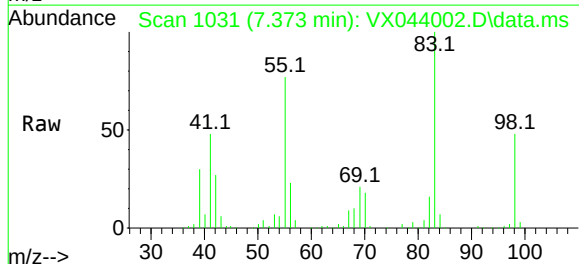
83 100

55 76.7 63.1 94.7

98 47.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#40

Benzene

Concen: 47.188 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044002.D

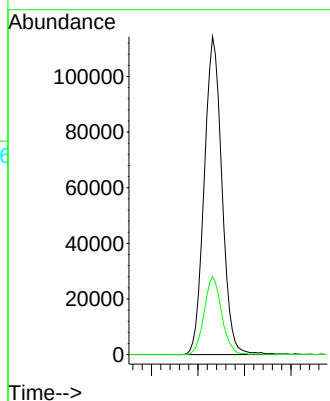
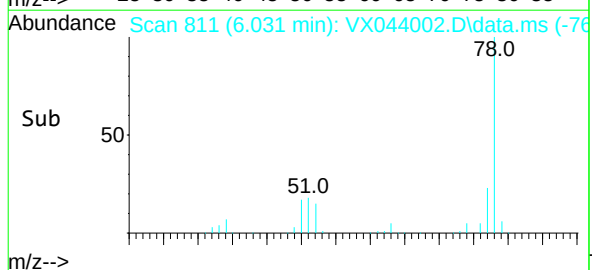
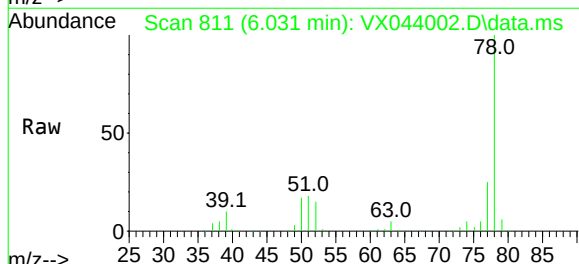
Acq: 25 Nov 2024 21:12

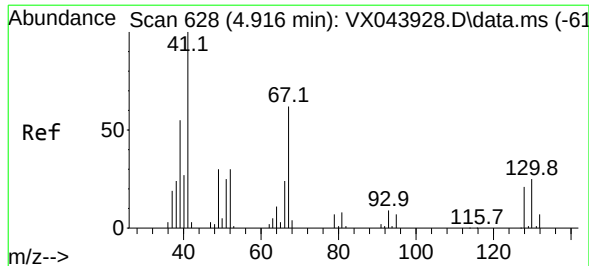
Tgt Ion: 78 Resp: 302293

Ion Ratio Lower Upper

78 100

77 24.5 19.2 28.8





#41

Methacrylonitrile

Concen: 45.746 ug/l

RT: 4.922 min Scan# 62

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 59772

Ion Ratio Lower Upper

41 100

39 56.5 41.7 62.5

67 73.2 55.8 83.8

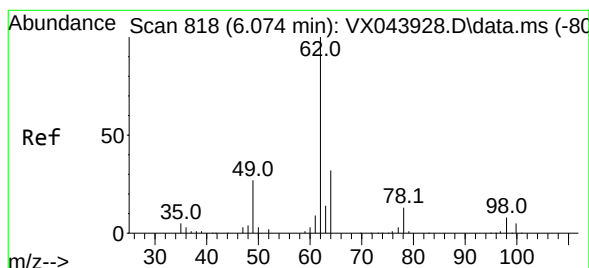
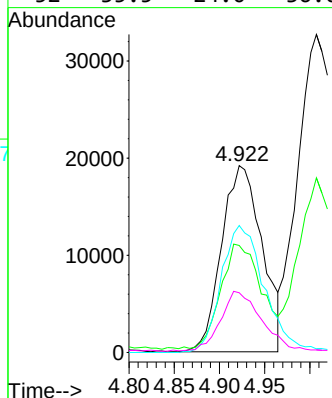
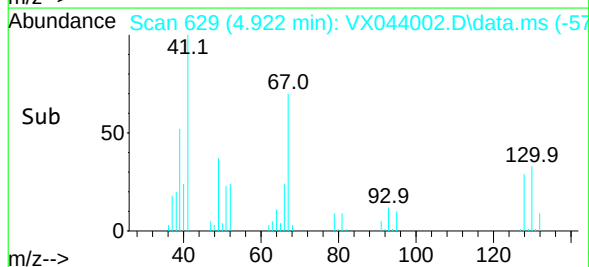
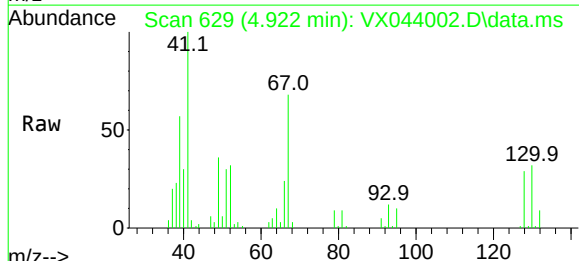
52 35.5 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#42

1,2-Dichloroethane

Concen: 47.224 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX044002.D

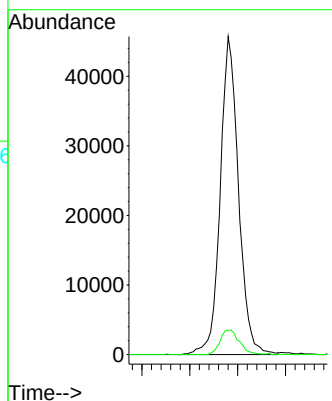
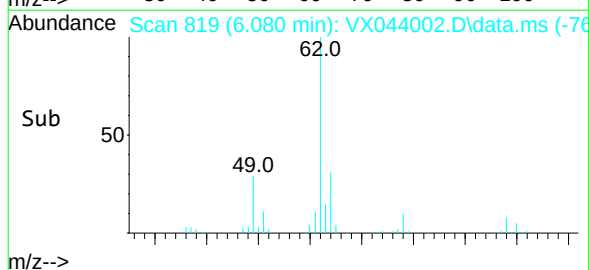
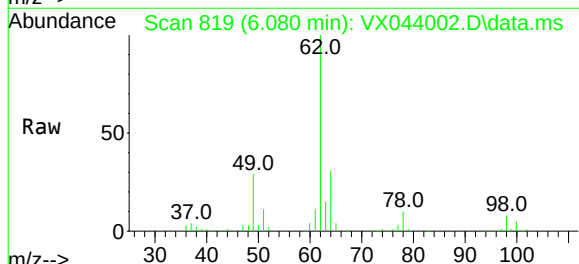
Acq: 25 Nov 2024 21:12

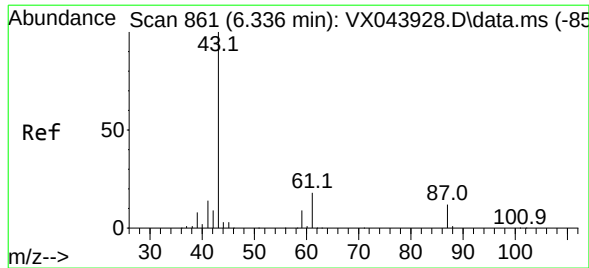
Tgt Ion: 62 Resp: 121500

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 46.041 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 187057

Ion Ratio Lower Upper

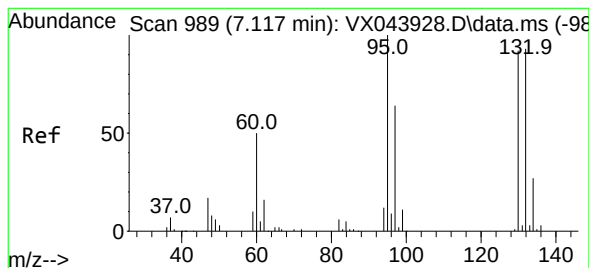
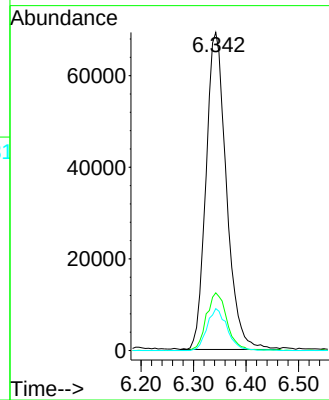
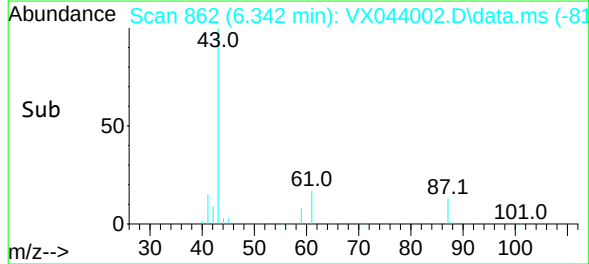
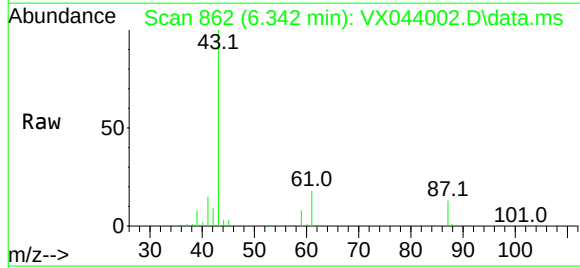
43 100

61 18.3 14.5 21.7

87 12.9 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#44

Trichloroethene

Concen: 41.321 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX044002.D

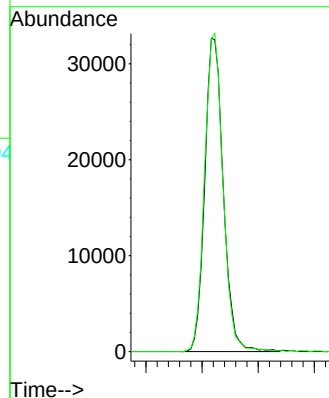
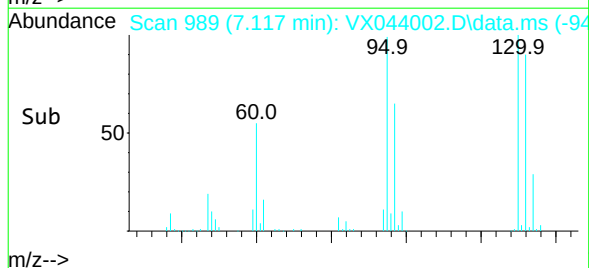
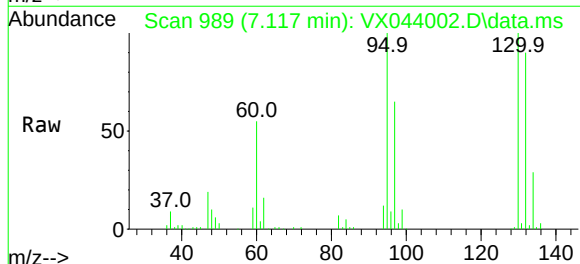
Acq: 25 Nov 2024 21:12

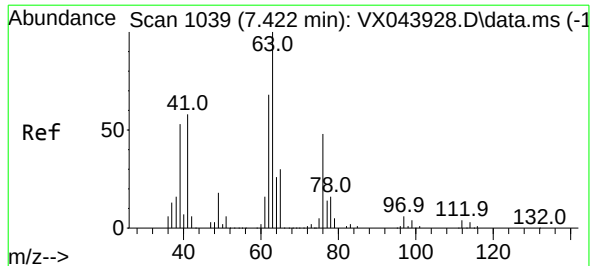
Tgt Ion:130 Resp: 74936

Ion Ratio Lower Upper

130 100

95 99.8 0.0 217.8





#45

1,2-Dichloropropane

Concen: 48.403 ug/l

RT: 7.427 min Scan# 10

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 75945

Ion Ratio Lower Upper

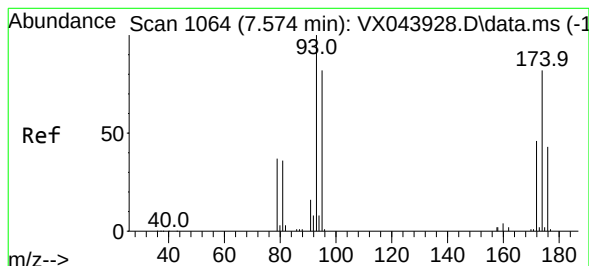
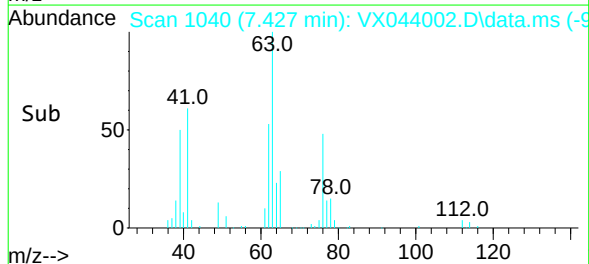
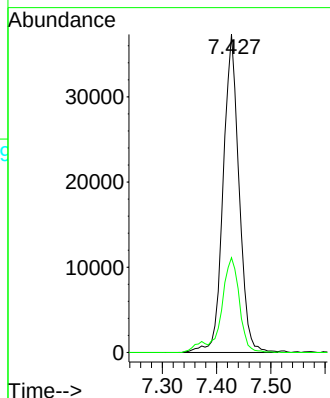
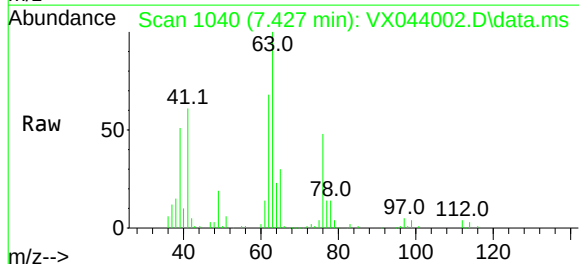
63 100

65 29.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#46

Dibromomethane

Concen: 49.045 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

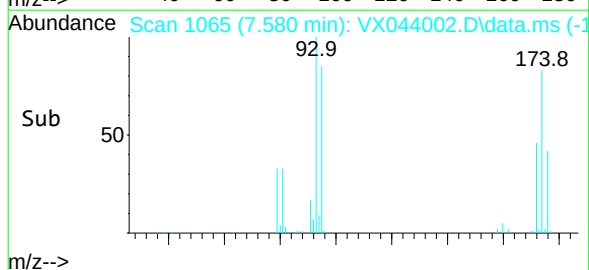
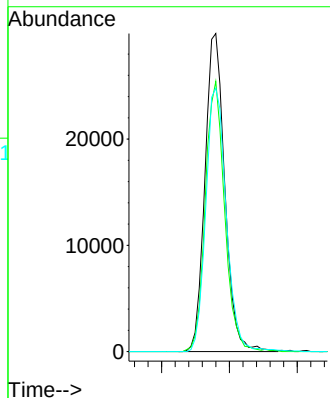
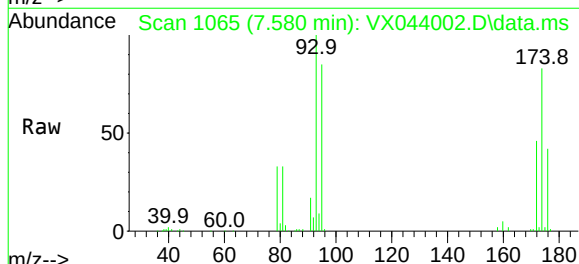
Tgt Ion: 93 Resp: 60872

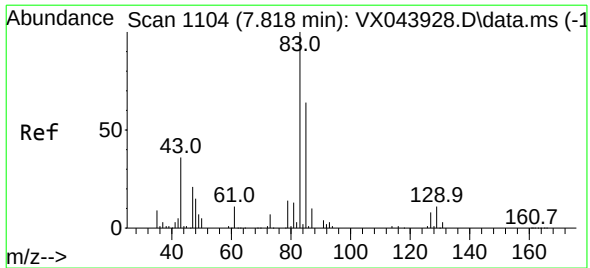
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 85.5 69.6 104.4





#47

Bromodichloromethane

Concen: 48.953 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 108968

Ion Ratio Lower Upper

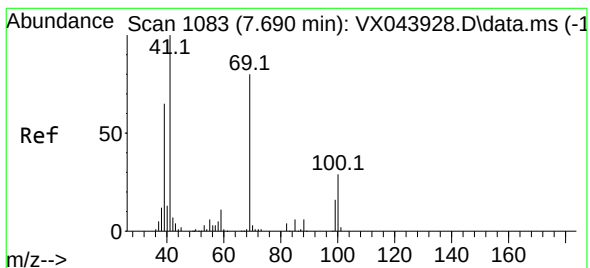
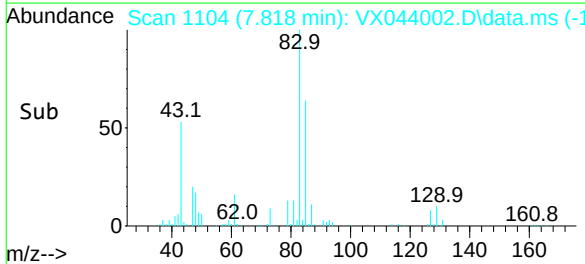
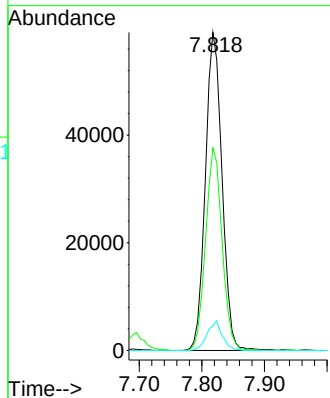
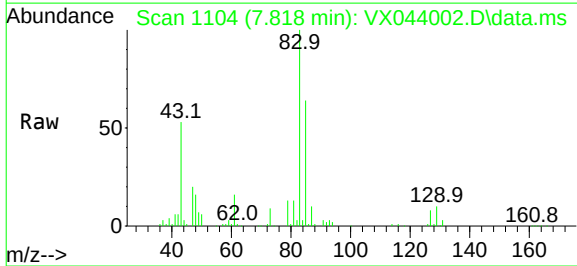
83 100

85 63.6 51.4 77.0

127 7.7 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#48

Methyl methacrylate

Concen: 46.134 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

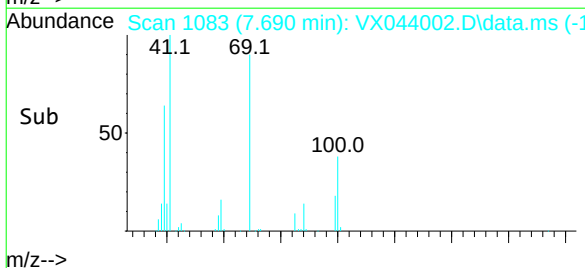
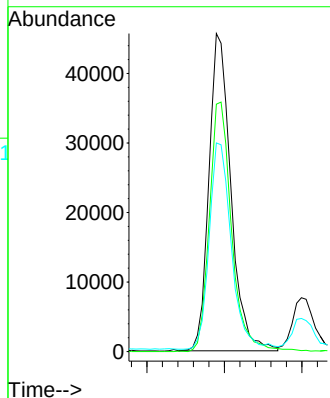
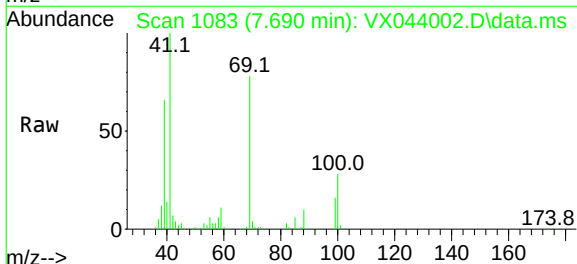
Tgt Ion: 41 Resp: 89938

Ion Ratio Lower Upper

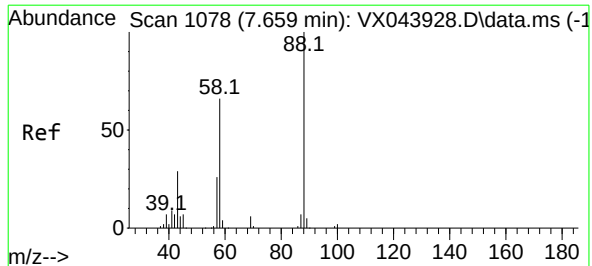
41 100

69 79.6 64.6 97.0

39 65.3 53.3 79.9







#49

1,4-Dioxane

Concen: 777.017 ug/l

RT: 7.671 min Scan# 1078

Delta R.T. 0.012 min

Lab File: VX044002.D

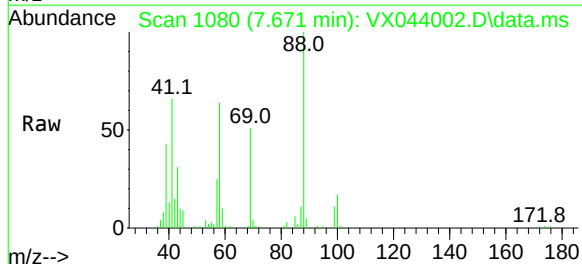
Acq: 25 Nov 2024 21:12

Instrument :

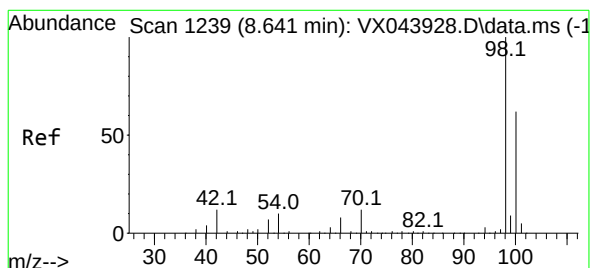
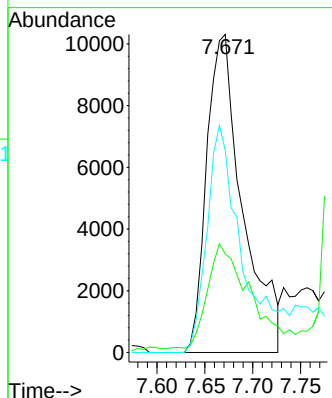
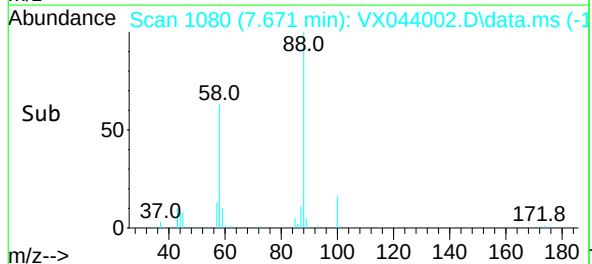
MSVOA\_X

ClientSampleId :

VSTDCCC050EC



| Tgt Ion: | 88    | Resp: | 26983 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 88       | 100   |       |       |
| 43       | 39.2  | 26.8  | 40.2  |
| 58       | 67.6  | 45.4  | 68.2  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#50

Toluene-d8

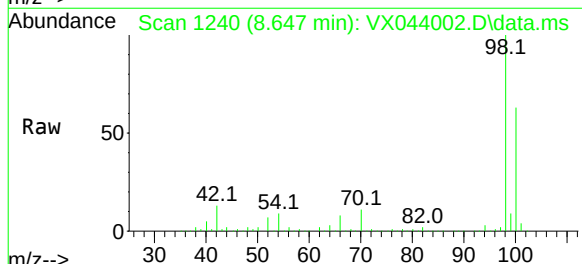
Concen: 48.276 ug/l

RT: 8.647 min Scan# 1240

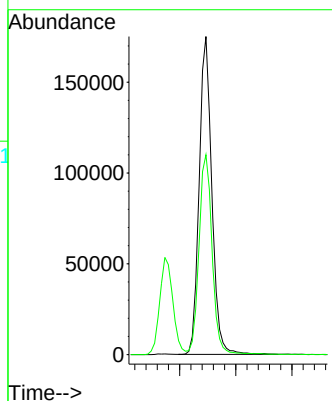
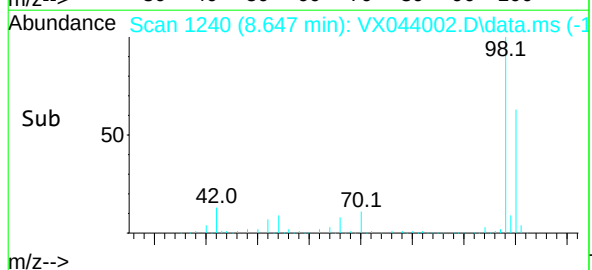
Delta R.T. 0.006 min

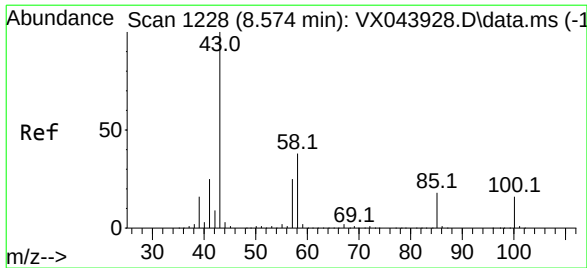
Lab File: VX044002.D

Acq: 25 Nov 2024 21:12



| Tgt Ion: | 98    | Resp: | 274647 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 65.0  | 52.6  | 79.0   |





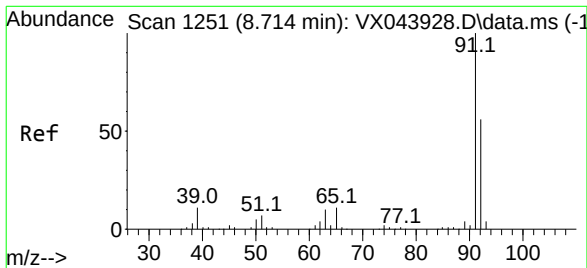
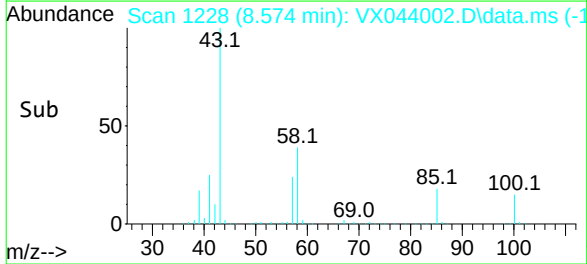
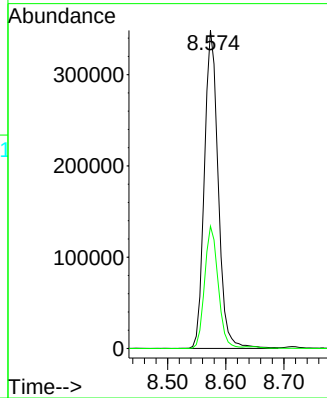
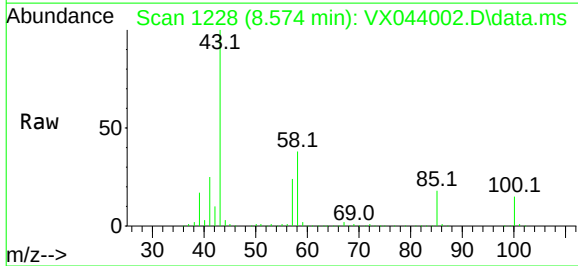
#51  
4-Methyl-2-Pentanone  
Concen: 232.731 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 577015  
Ion Ratio Lower Upper  
43 100  
58 37.6 30.0 45.0

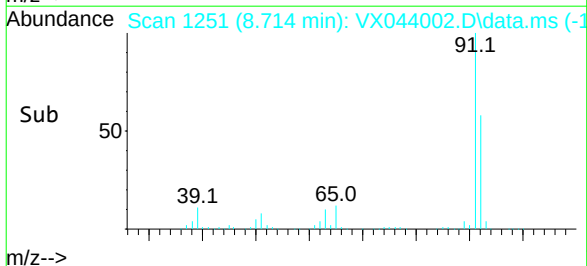
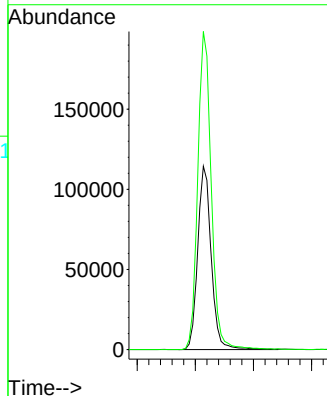
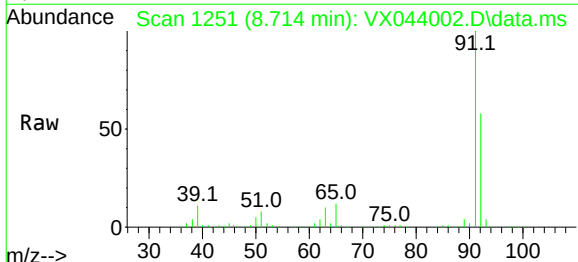
Manual Integrations  
APPROVED

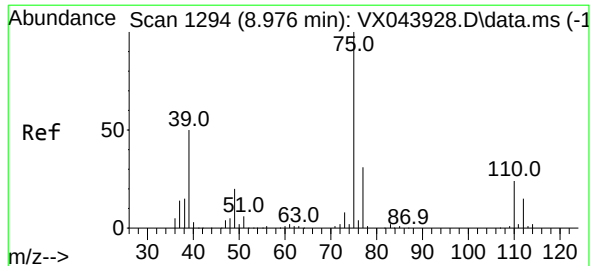
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#52  
Toluene  
Concen: 48.090 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 92 Resp: 184390  
Ion Ratio Lower Upper  
92 100  
91 173.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 47.064 ug/l

RT: 8.976 min Scan# 12

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 106834

Ion Ratio Lower Upper

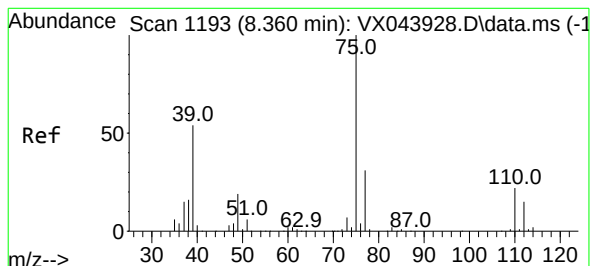
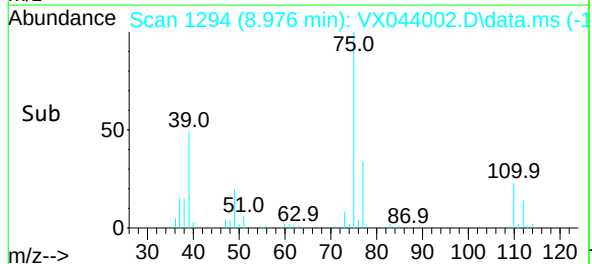
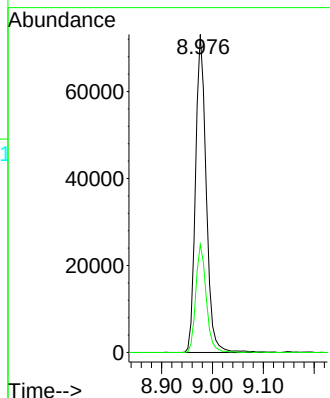
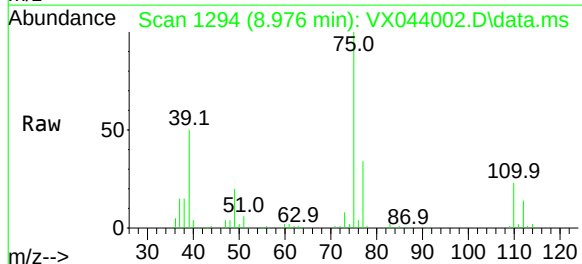
75 100

77 33.9 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#54

cis-1,3-Dichloropropene

Concen: 46.816 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

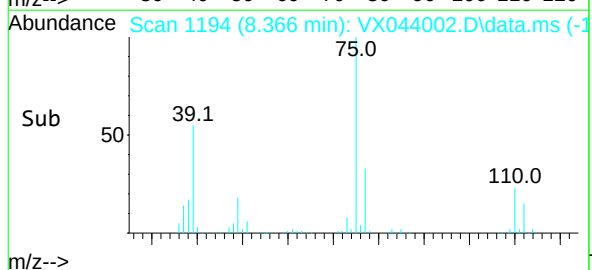
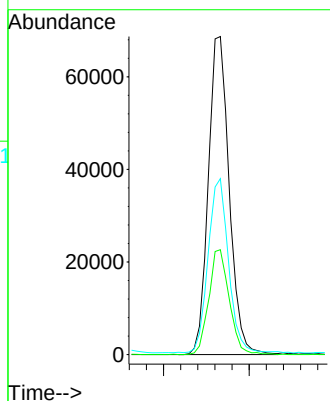
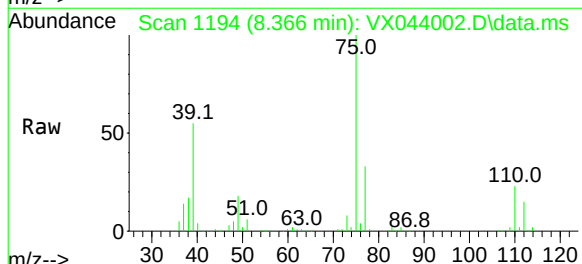
Tgt Ion: 75 Resp: 116499

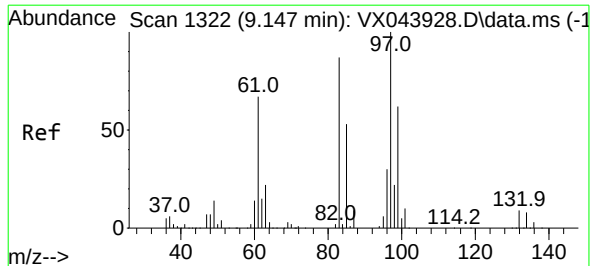
Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

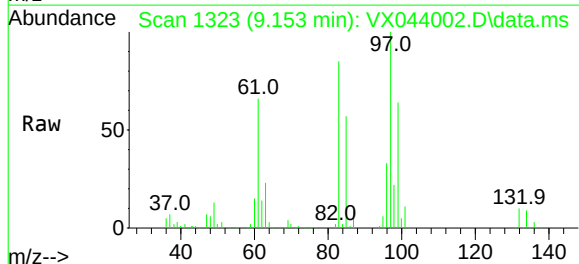
39 54.6 43.1 64.7





#55  
1,1,2-Trichloroethane  
Concen: 46.565 ug/l  
RT: 9.153 min Scan# 1322  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

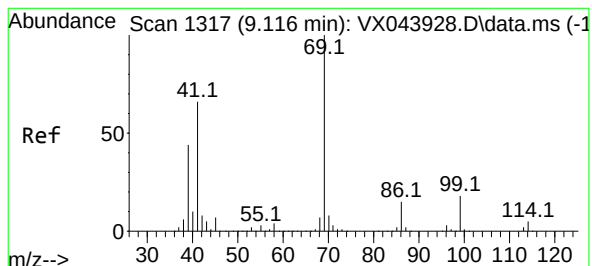
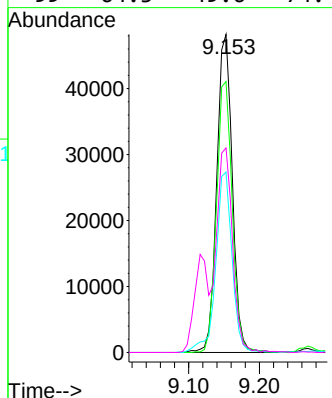
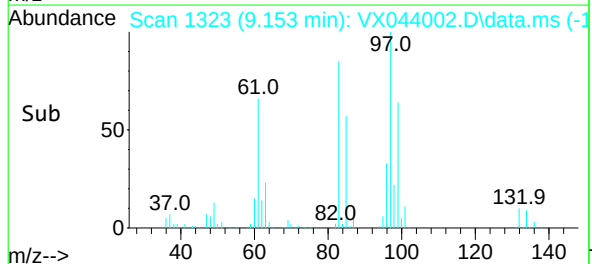
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 97 Resp: 73702  
Ion Ratio Lower Upper  
97 100  
83 85.2 69.4 104.0  
85 56.6 42.3 63.5  
99 64.3 49.6 74.4

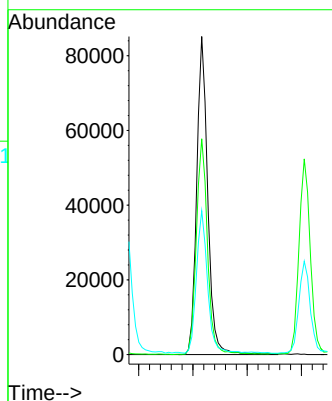
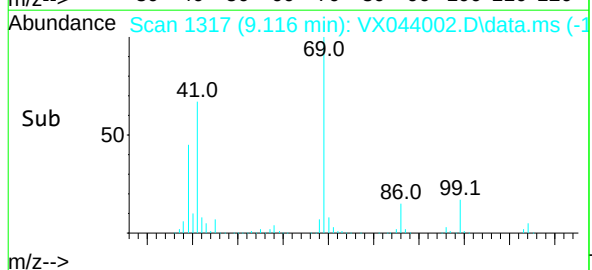
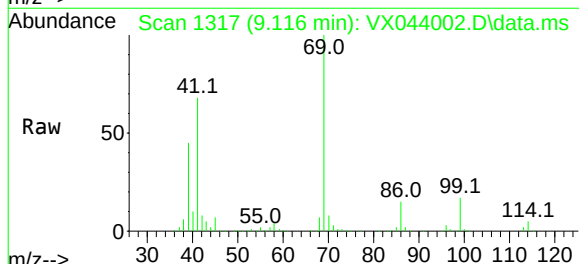
Manual Integrations  
APPROVED

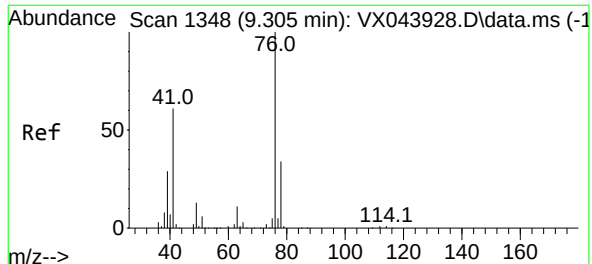
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#56  
Ethyl methacrylate  
Concen: 48.673 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

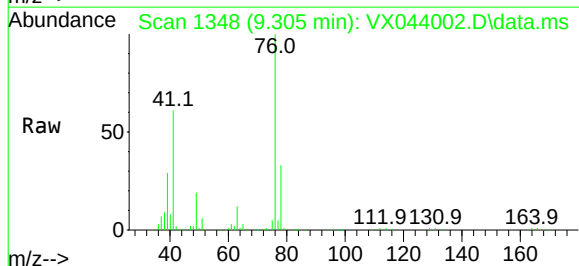
Tgt Ion: 69 Resp: 119993  
Ion Ratio Lower Upper  
69 100  
41 69.2 55.8 83.8  
39 45.1 36.7 55.1





#57  
1,3-Dichloropropane  
Concen: 47.362 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

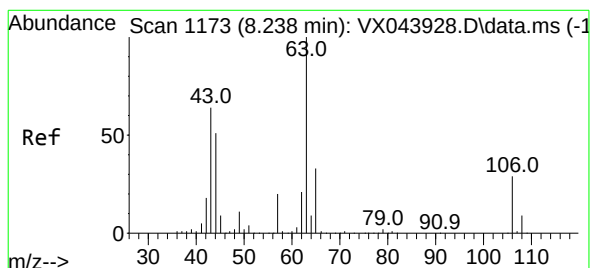
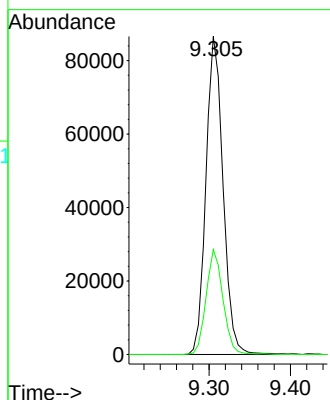
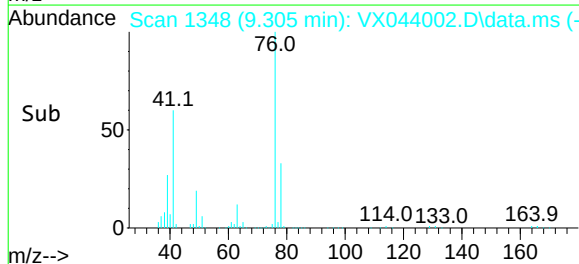
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 76 Resp: 126279  
Ion Ratio Lower Upper  
76 100  
78 32.6 26.0 39.0

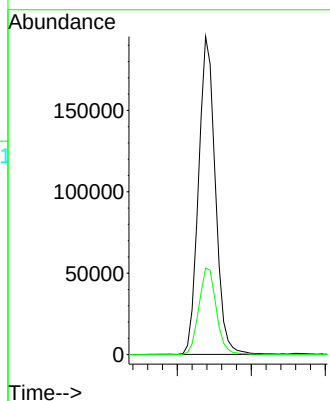
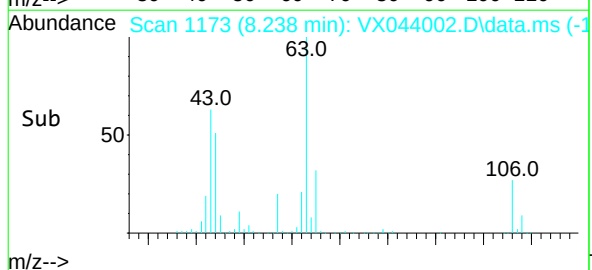
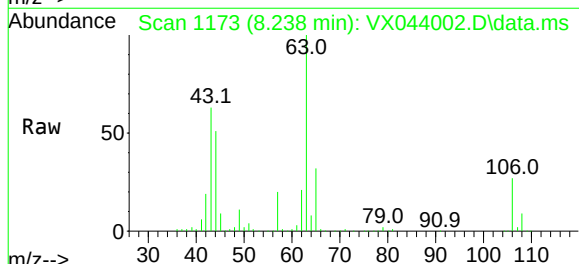
Manual Integrations  
APPROVED

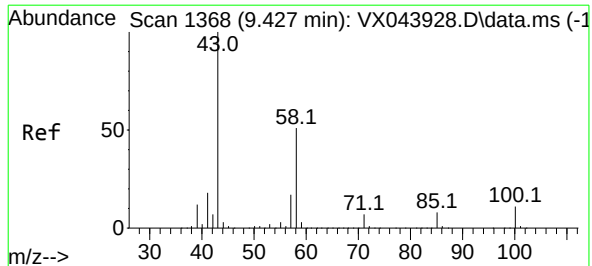
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#58  
2-Chloroethyl Vinyl ether  
Concen: 227.585 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 307827  
Ion Ratio Lower Upper  
63 100  
106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 228.307 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 425456

Ion Ratio Lower Upper

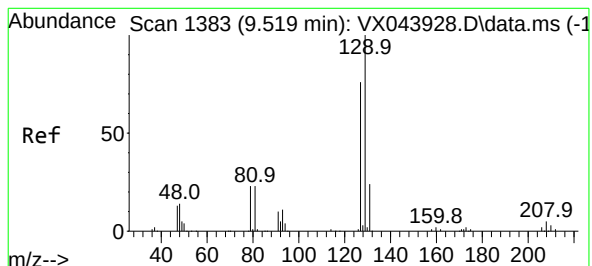
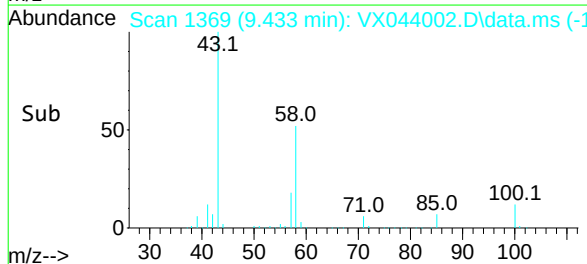
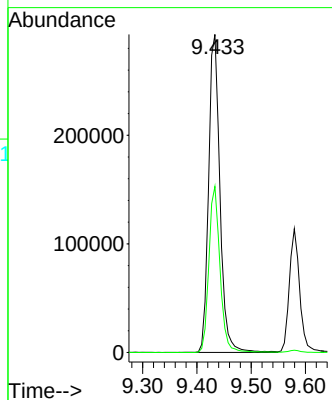
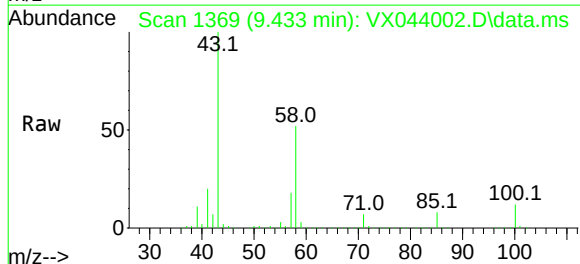
43 100

58 51.6 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#60

Dibromochloromethane

Concen: 47.648 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044002.D

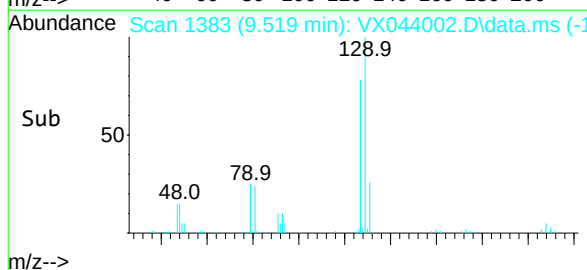
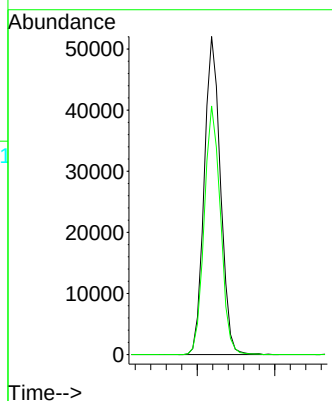
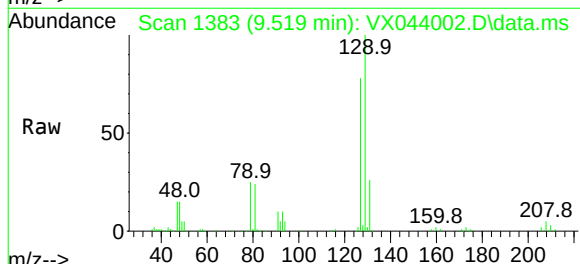
Acq: 25 Nov 2024 21:12

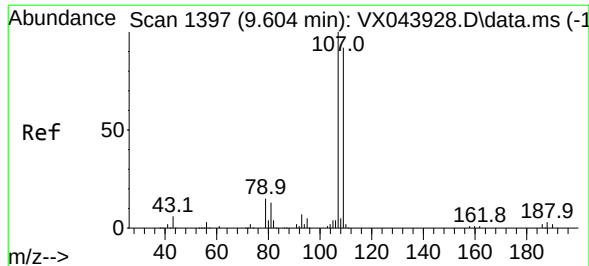
Tgt Ion:129 Resp: 75667

Ion Ratio Lower Upper

129 100

127 78.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.453 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:107 Resp: 77546

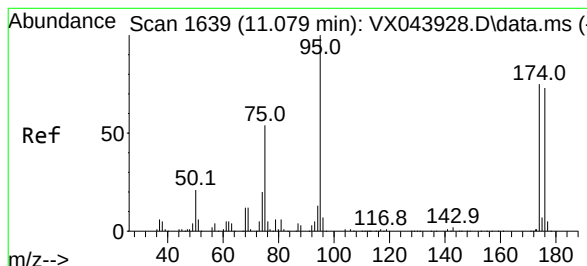
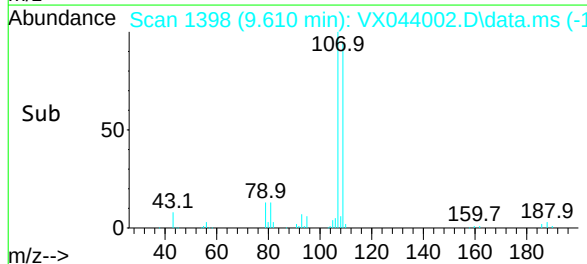
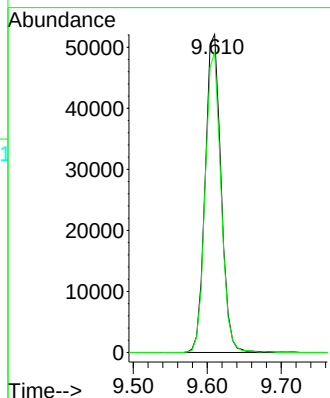
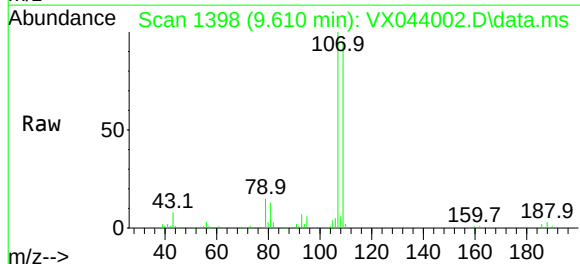
Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#62

4-Bromofluorobenzene

Concen: 48.195 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

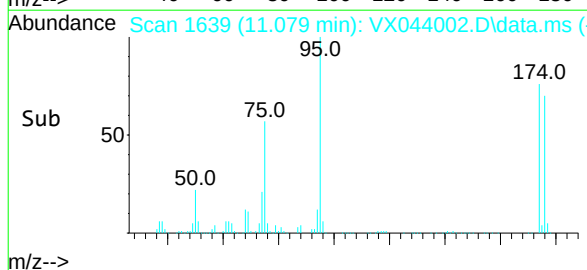
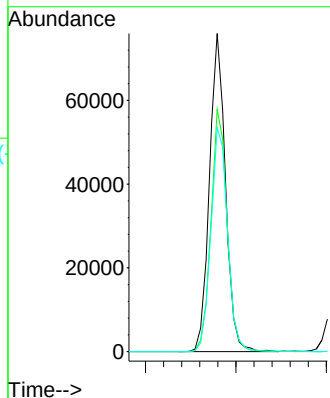
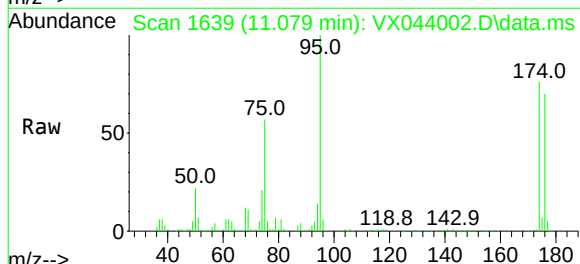
Tgt Ion: 95 Resp: 93312

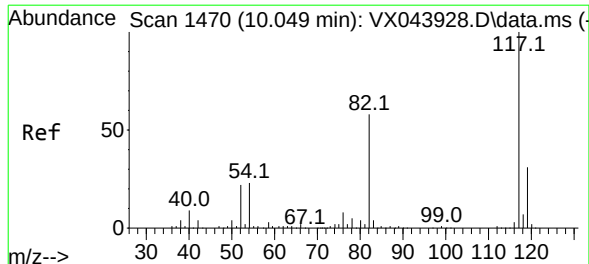
Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.4

176 73.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044002.D

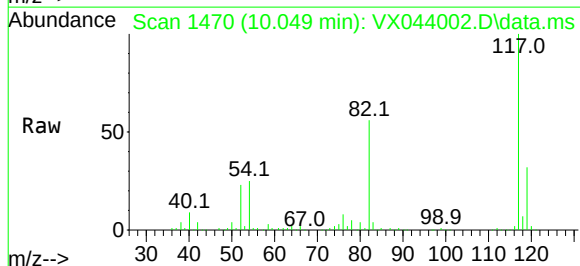
Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion:117 Resp: 194454

Ion Ratio Lower Upper

117 100

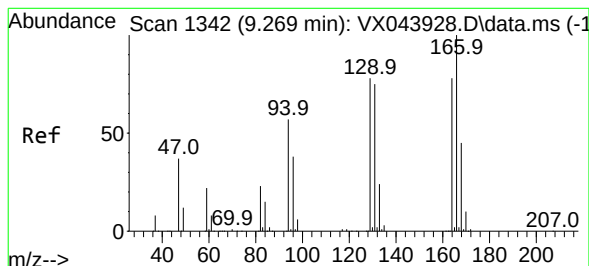
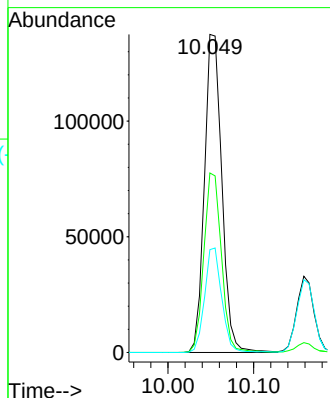
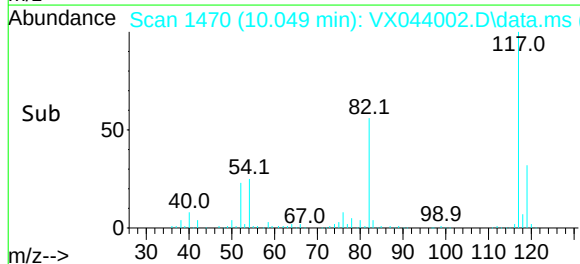
82 56.5 46.4 69.6

119 32.3 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#64

Tetrachloroethene

Concen: 47.689 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Tgt Ion:164 Resp: 61147

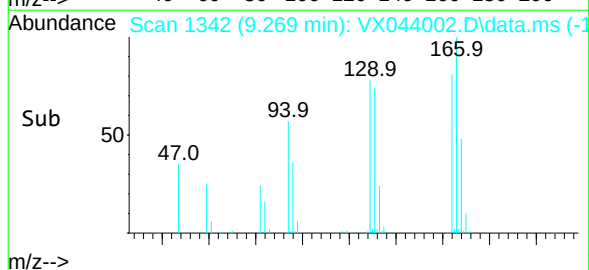
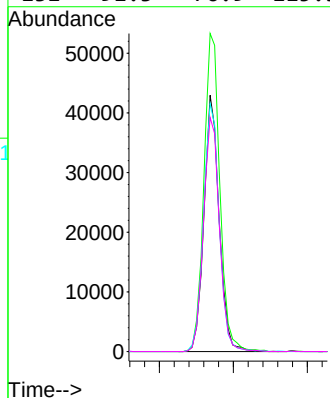
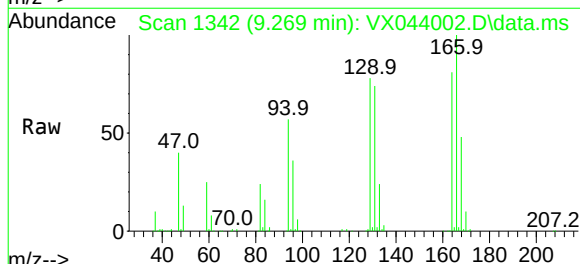
Ion Ratio Lower Upper

164 100

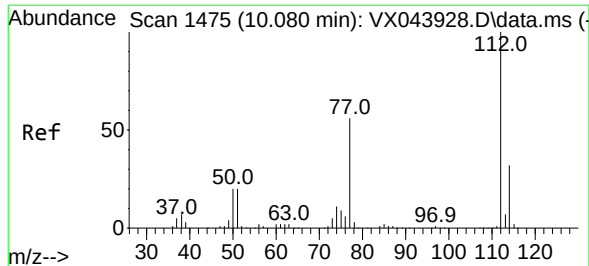
166 124.1 102.1 153.1

129 96.8 79.6 119.4

131 91.3 76.9 115.3







#65

Chlorobenzene

Concen: 46.431 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:112 Resp: 198294

Ion Ratio Lower Upper

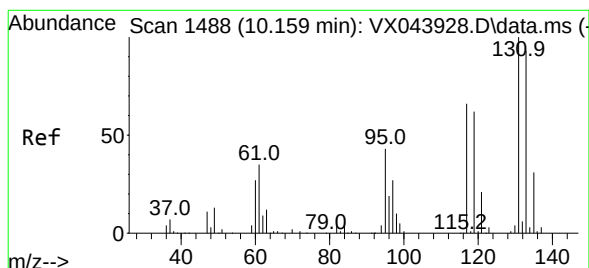
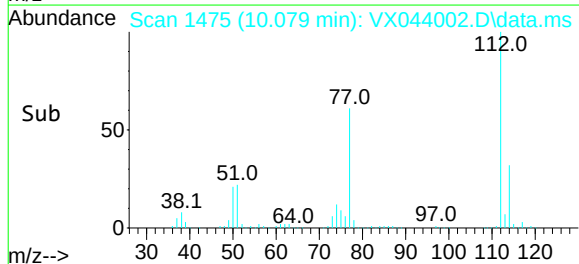
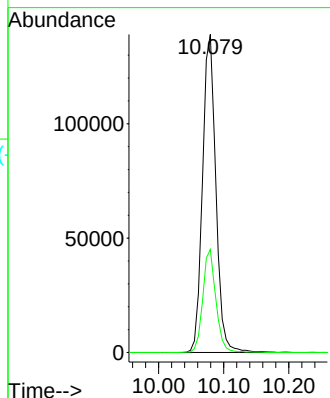
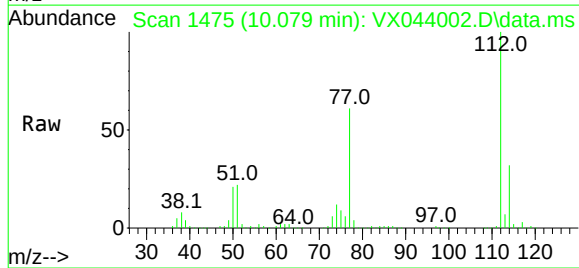
112 100

114 32.4 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 49.406 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

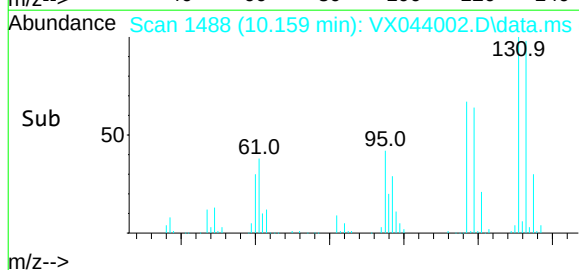
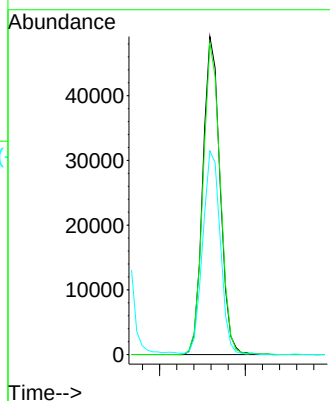
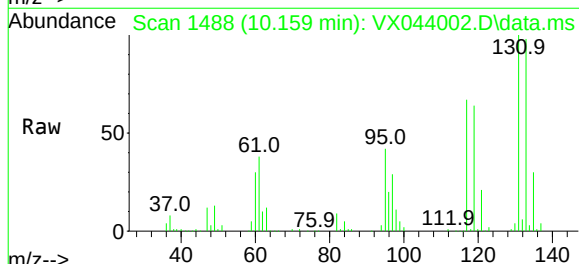
Tgt Ion:131 Resp: 68431

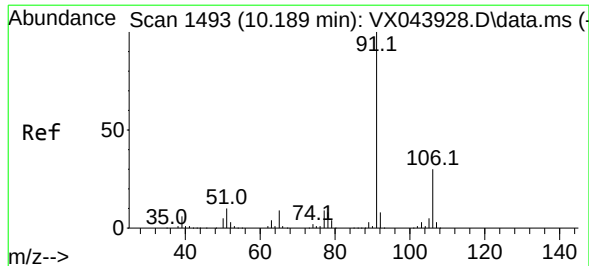
Ion Ratio Lower Upper

131 100

133 98.3 48.2 144.6

119 65.5 31.5 94.5





#67

Ethyl Benzene

Concen: 48.488 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 350901

Ion Ratio Lower Upper

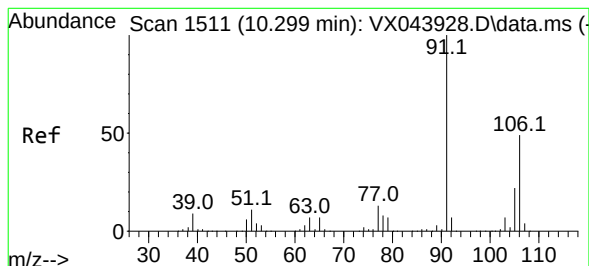
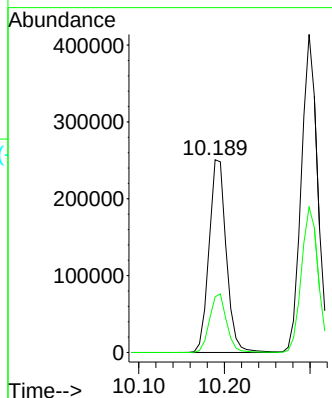
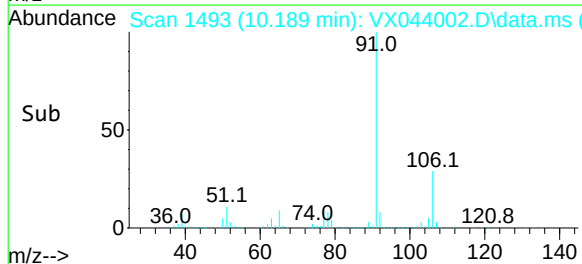
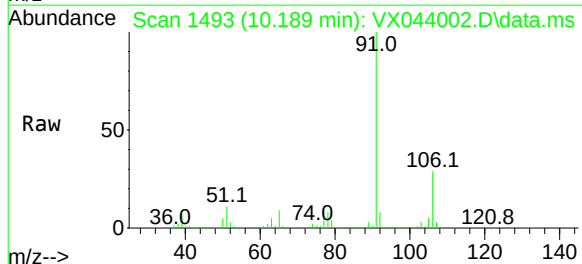
91 100

106 28.9 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#68

m/p-Xylenes

Concen: 96.253 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044002.D

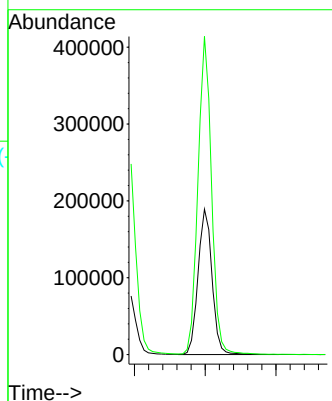
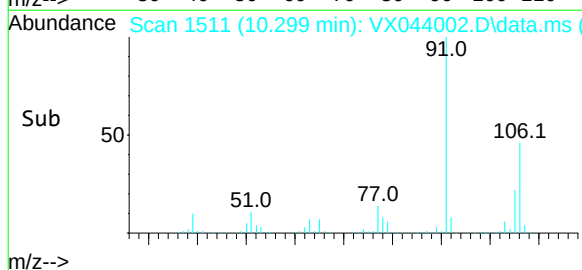
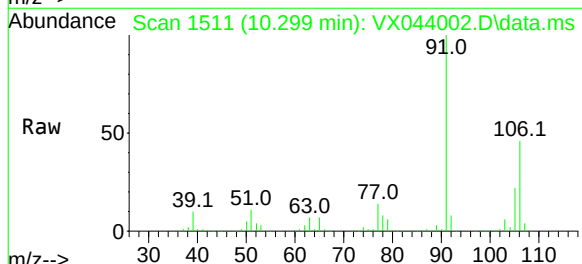
Acq: 25 Nov 2024 21:12

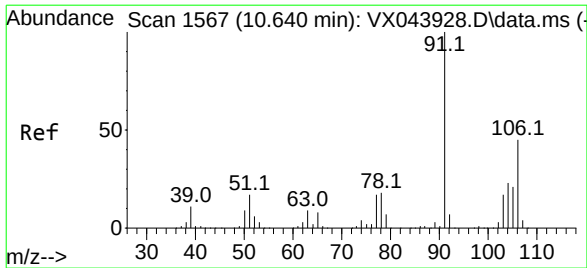
Tgt Ion:106 Resp: 259765

Ion Ratio Lower Upper

106 100

91 212.4 168.1 252.1





#69

o-Xylene

Concen: 49.529 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:106 Resp: 130506

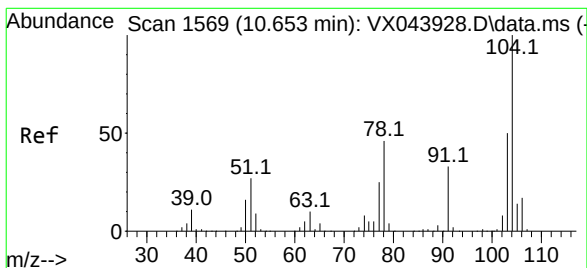
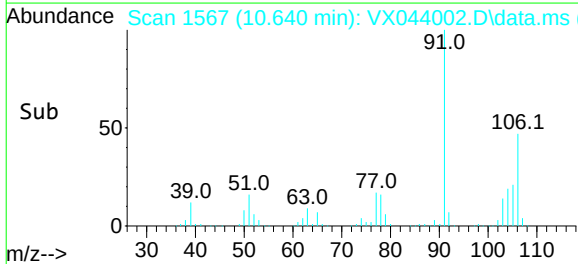
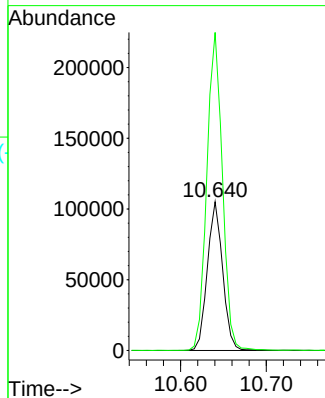
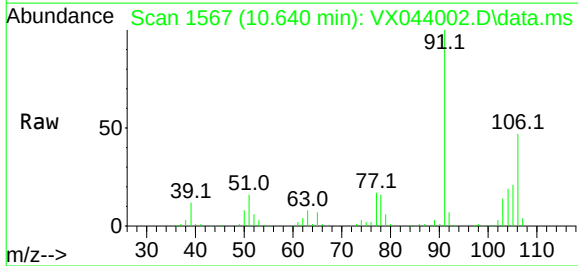
Ion Ratio Lower Upper

106 100

91 217.2 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#70

Styrene

Concen: 49.457 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

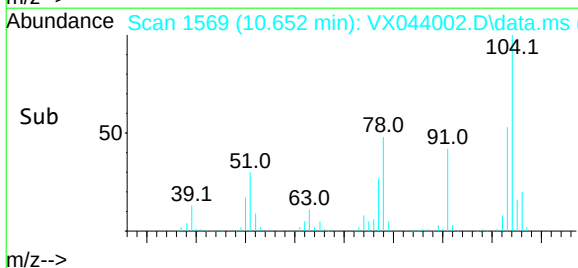
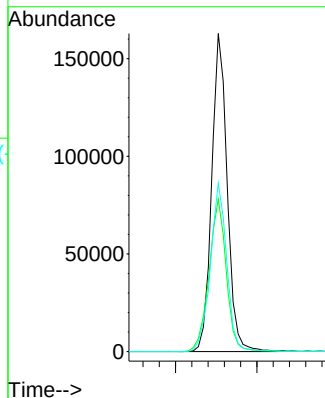
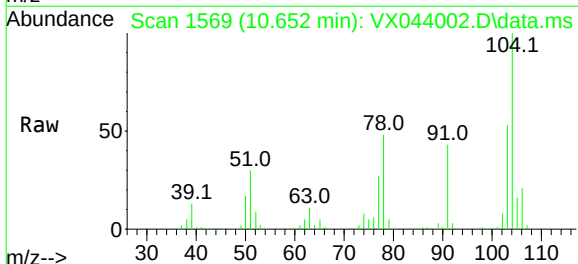
Tgt Ion:104 Resp: 215539

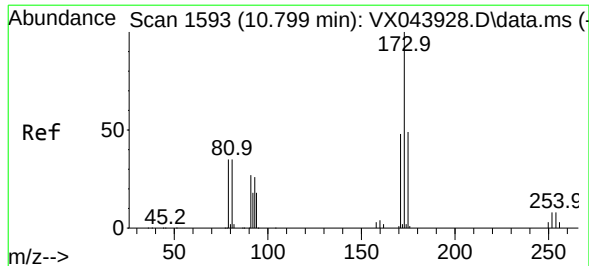
Ion Ratio Lower Upper

104 100

78 53.3 42.2 63.2

103 56.3 44.7 67.1





#71

Bromoform

Concen: 43.484 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

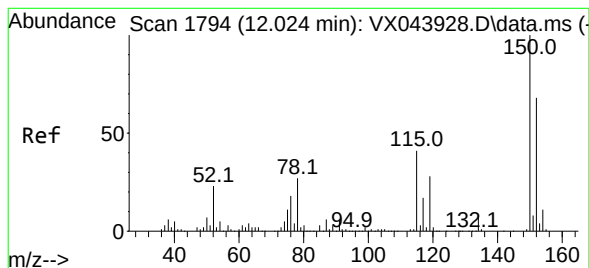
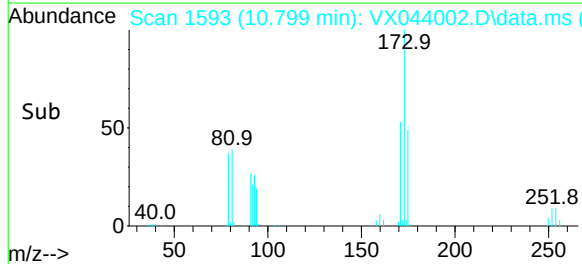
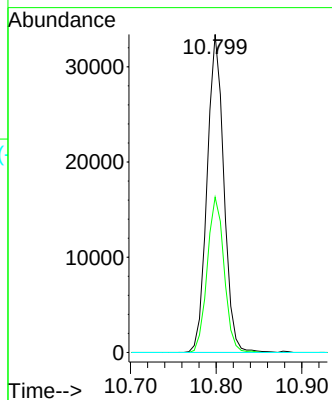
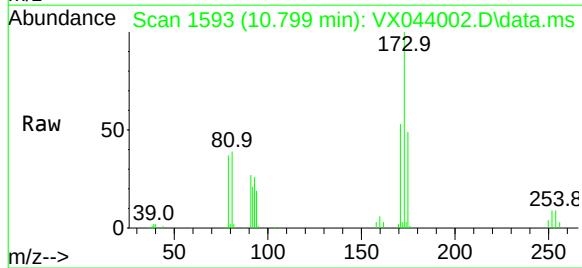
ClientSampleId :

VSTDCCC050EC

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 173   | Resp: | 45268 |
| Ion Ratio | Lower | Upper |       |
| 173       | 100   |       |       |
| 175       | 49.3  | 24.1  | 72.2  |
| 254       | 0.0   | 0.0   | 0.0   |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

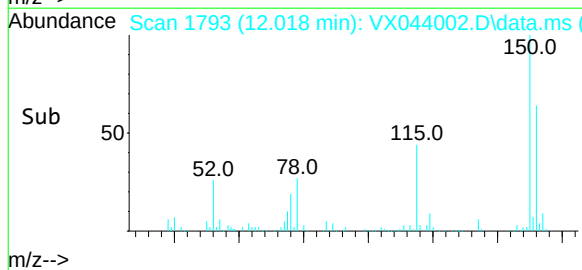
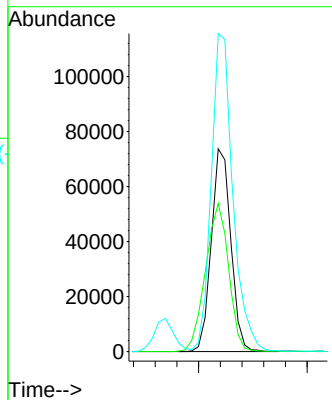
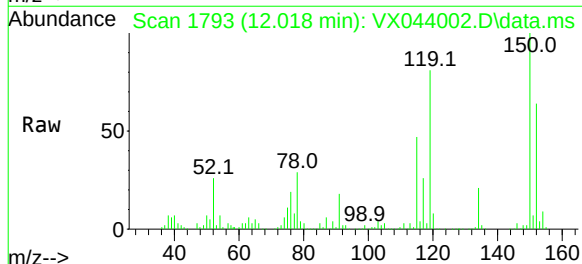
RT: 12.018 min Scan# 1793

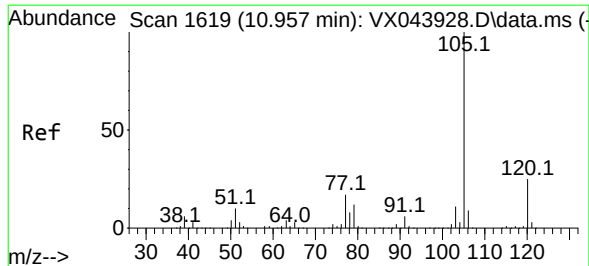
Delta R.T. -0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 92098 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 86.7  | 45.4  | 136.2 |
| 150       | 173.4 | 0.0   | 353.0 |





#73

Isopropylbenzene

Concen: 47.838 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 338668

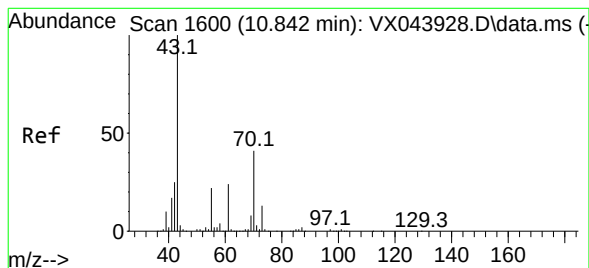
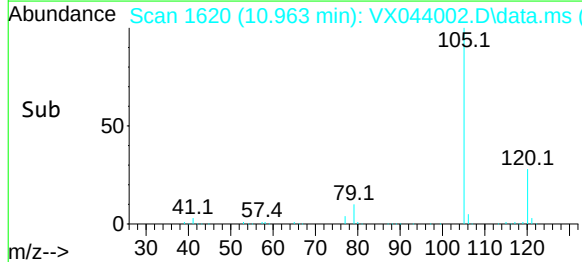
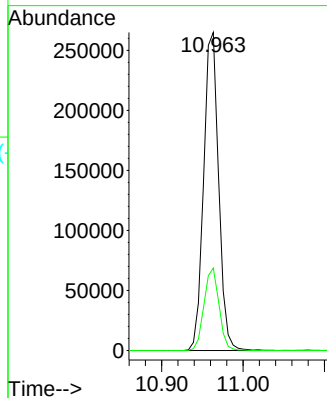
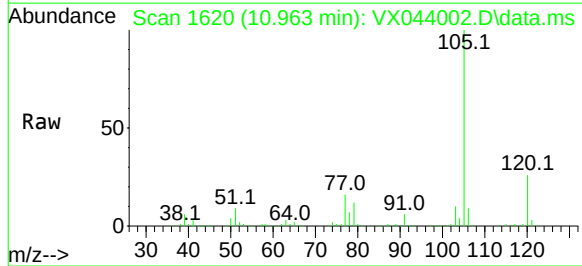
Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#74

N-ethyl acetate

Concen: 49.487 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 162298

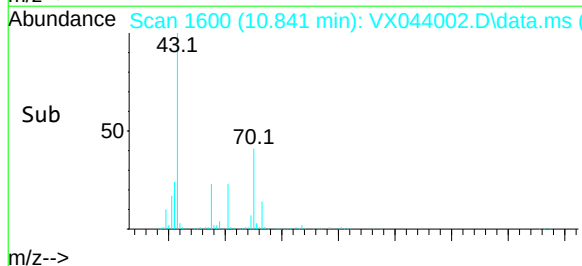
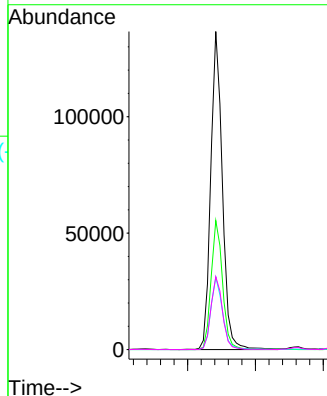
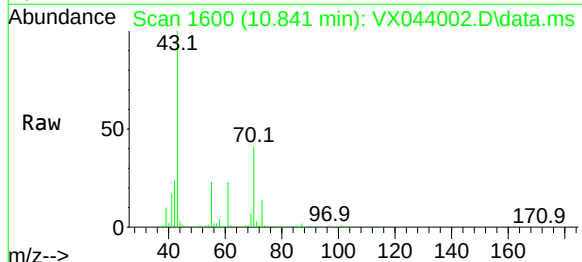
Ion Ratio Lower Upper

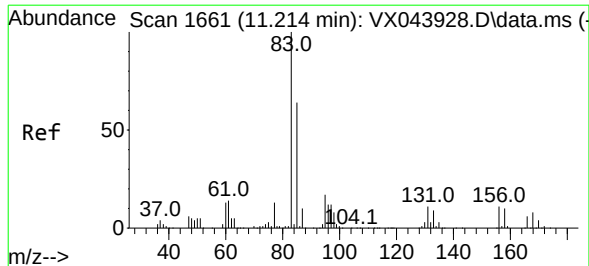
43 100

70 40.0 32.2 48.2

55 22.8 18.1 27.1

61 23.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 47.162 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 114325

Ion Ratio Lower Upper

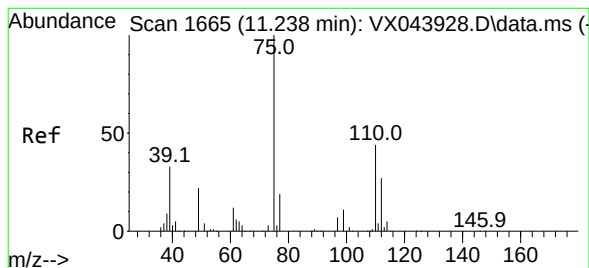
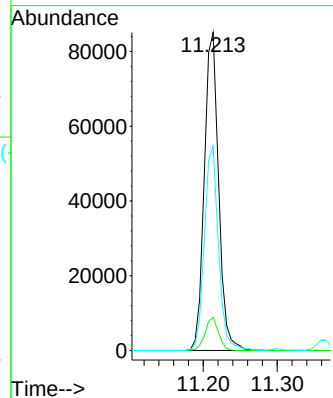
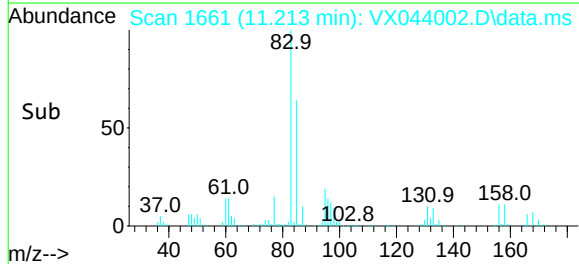
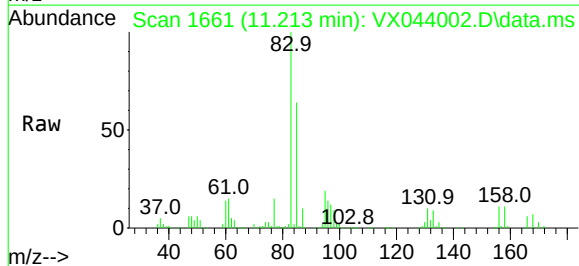
83 100

131 9.8 5.1 15.2

85 63.6 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#76

1,2,3-Trichloropropane

Concen: 45.843 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044002.D

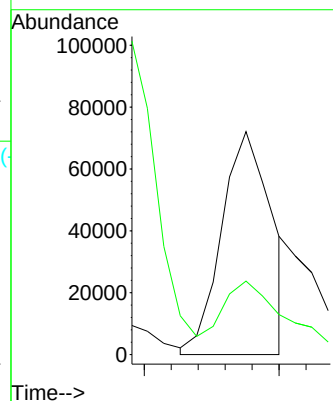
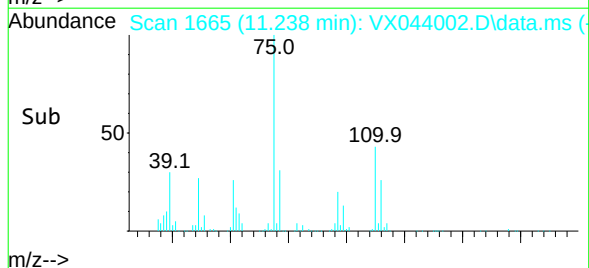
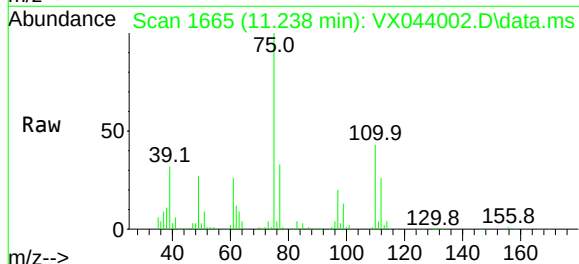
Acq: 25 Nov 2024 21:12

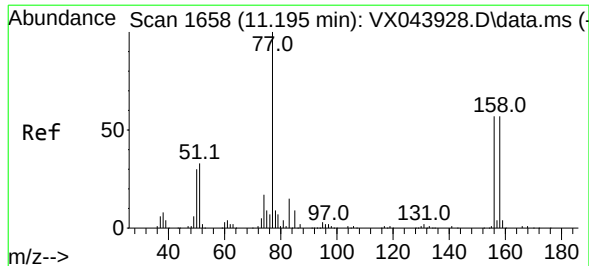
Tgt Ion: 75 Resp: 92588

Ion Ratio Lower Upper

75 100

77 43.4 21.8 65.3





#77

Bromobenzene

Concen: 47.012 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

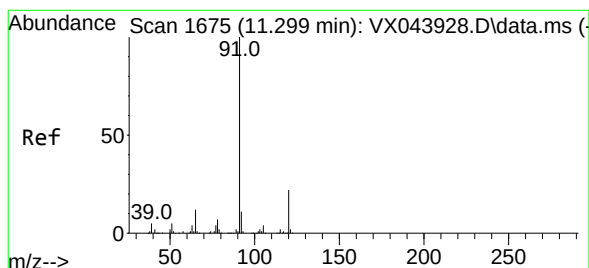
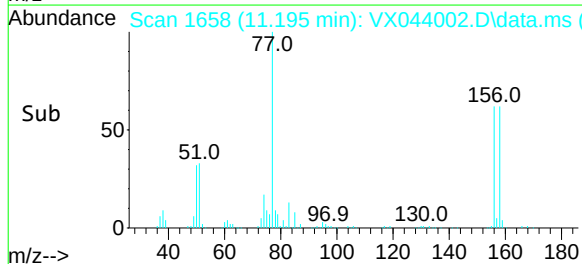
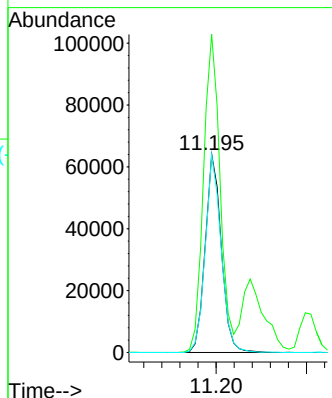
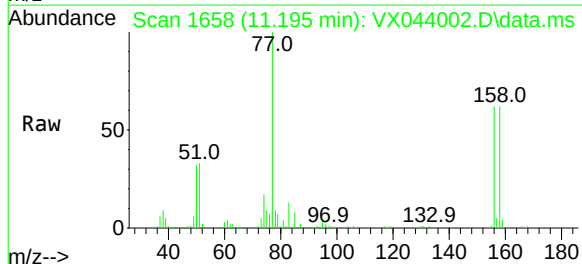
VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 79395 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 164.7 | 83.4  | 250.1 |
| 158      | 98.4  | 47.6  | 142.8 |

## Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#78

n-propylbenzene

Concen: 47.443 ug/l

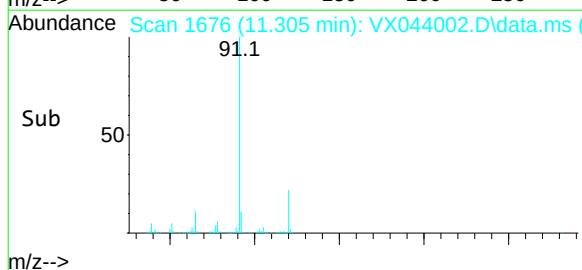
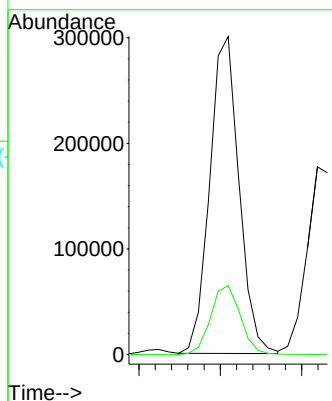
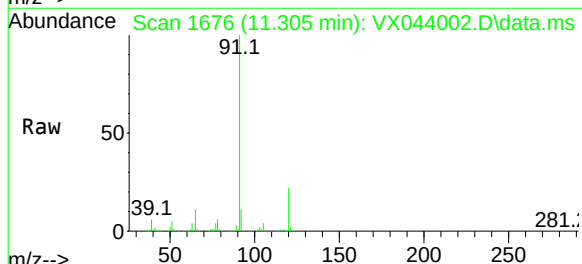
RT: 11.305 min Scan# 1676

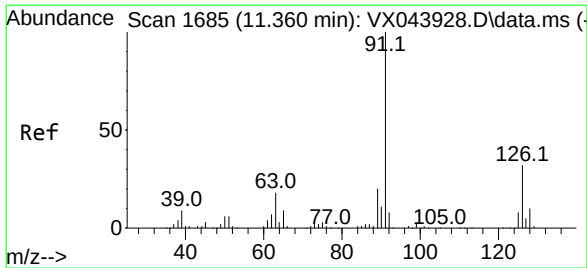
Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 375124 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 22.2  | 11.5  | 34.4   |





#79

2-Chlorotoluene

Concen: 46.093 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 230455

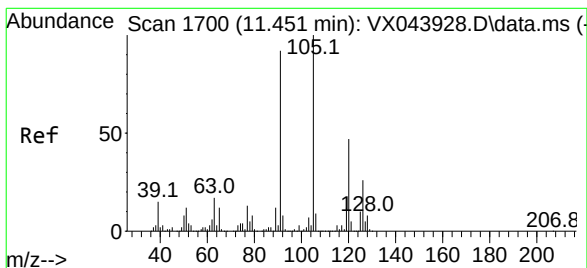
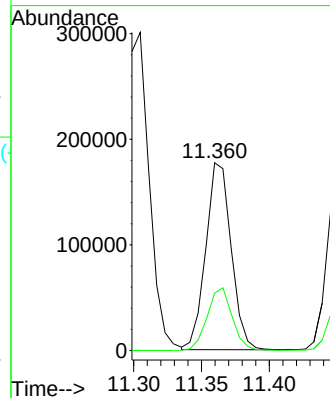
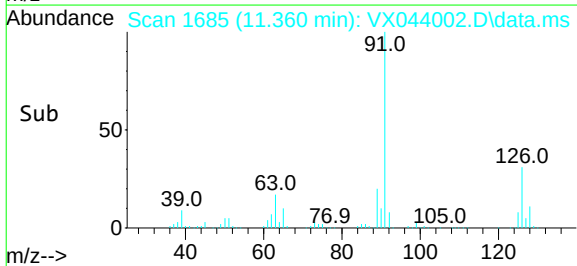
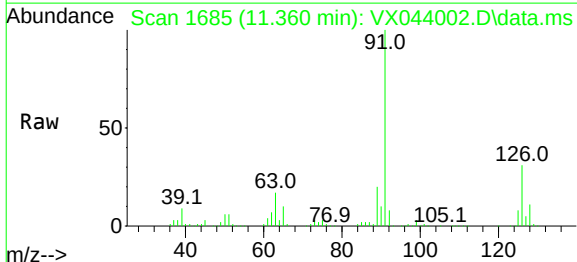
Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#80

1,3,5-Trimethylbenzene

Concen: 48.515 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044002.D

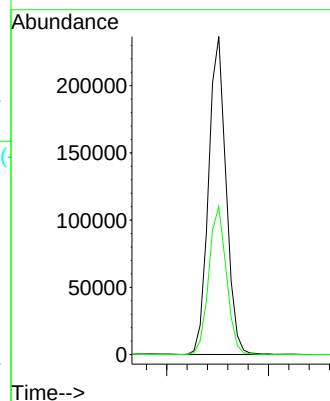
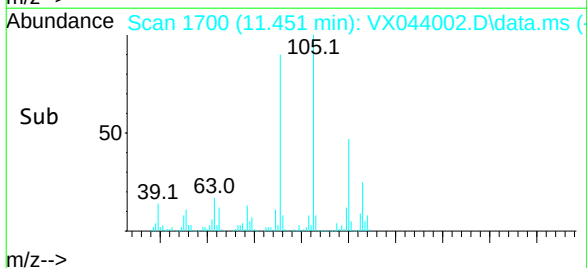
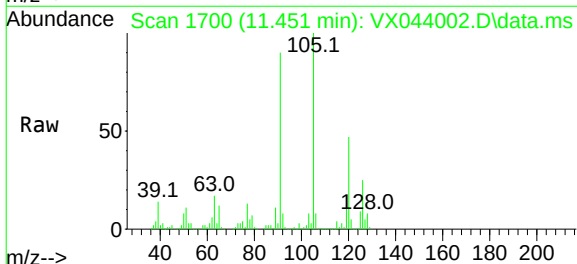
Acq: 25 Nov 2024 21:12

Tgt Ion:105 Resp: 282567

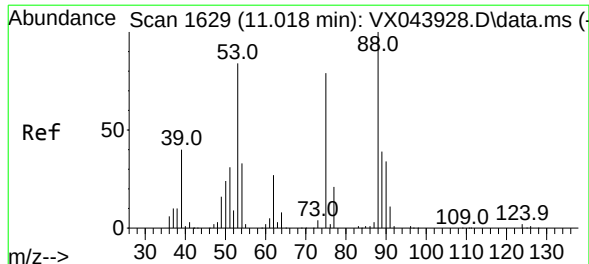
Ion Ratio Lower Upper

105 100

120 46.9 23.3 69.8







#81

trans-1,4-Dichloro-2-butene

Concen: 42.379 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX044002.D

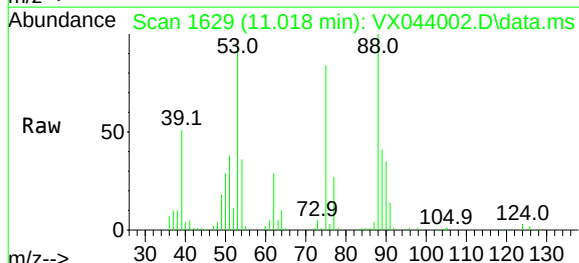
Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

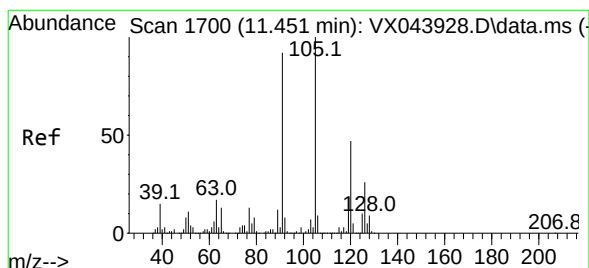
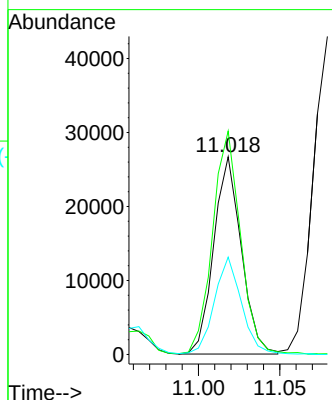
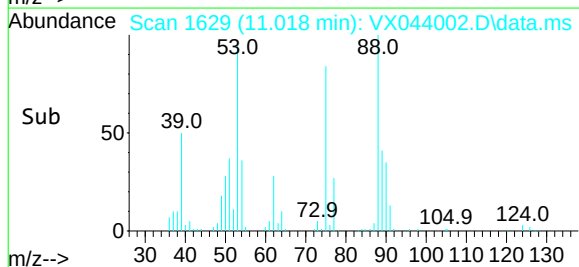
VSTDCCC050EC



| Tgt Ion: | 75    | Resp: | 31367 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 53       | 114.3 | 86.7  | 130.1 |
| 89       | 49.1  | 38.2  | 57.2  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#82

4-Chlorotoluene

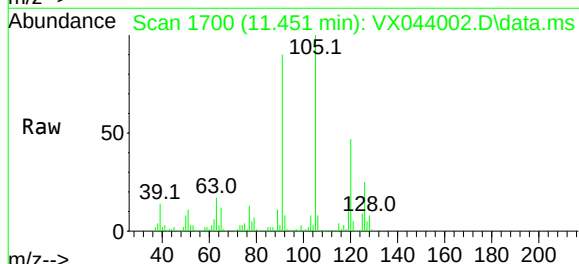
Concen: 47.210 ug/l

RT: 11.451 min Scan# 1700

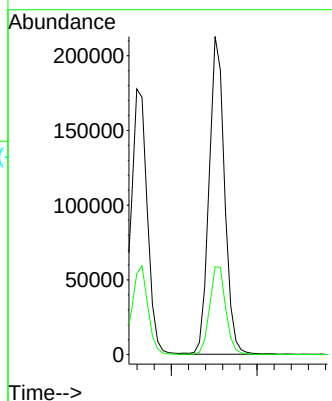
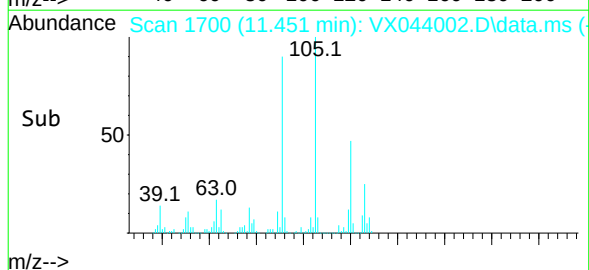
Delta R.T. -0.000 min

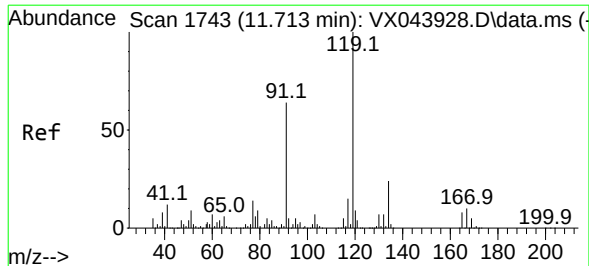
Lab File: VX044002.D

Acq: 25 Nov 2024 21:12



| Tgt Ion: | 91    | Resp: | 266480 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 126      | 28.8  | 14.3  | 42.9   |





#83

tert-Butylbenzene

Concen: 48.465 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:119 Resp: 279783

Ion Ratio Lower Upper

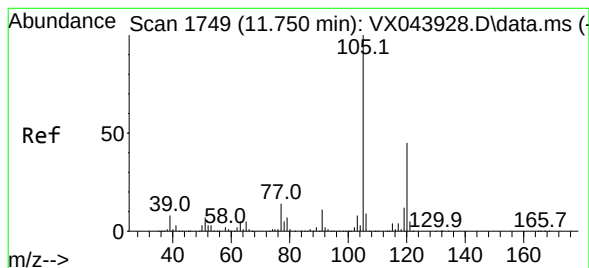
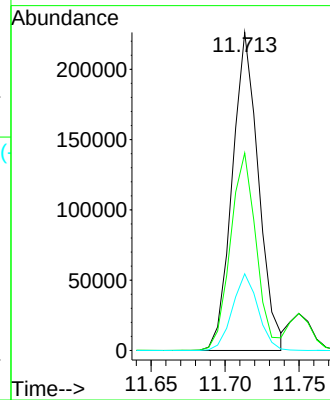
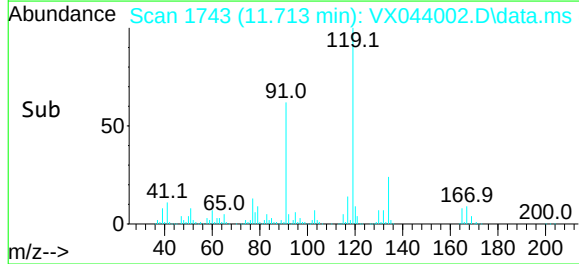
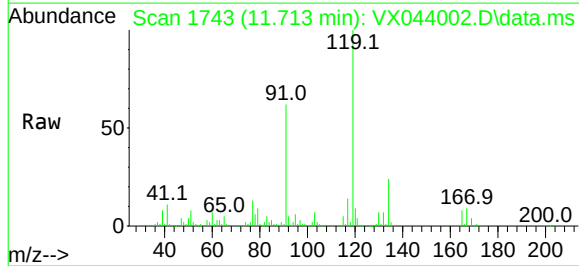
119 100

91 61.3 31.0 93.0

134 23.5 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#84

1,2,4-Trimethylbenzene

Concen: 48.618 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044002.D

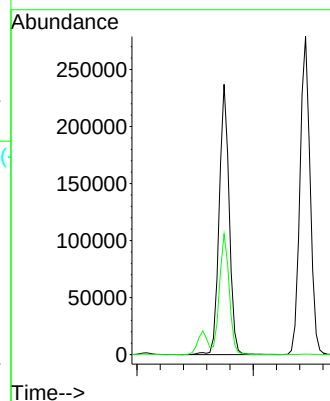
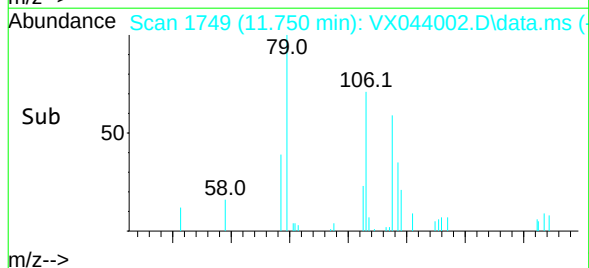
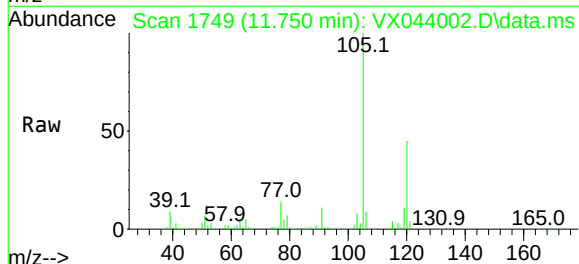
Acq: 25 Nov 2024 21:12

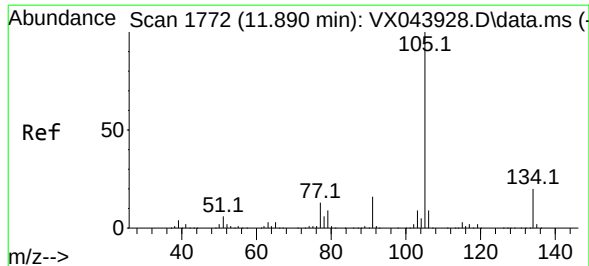
Tgt Ion:105 Resp: 281922

Ion Ratio Lower Upper

105 100

120 44.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 47.629 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 336886

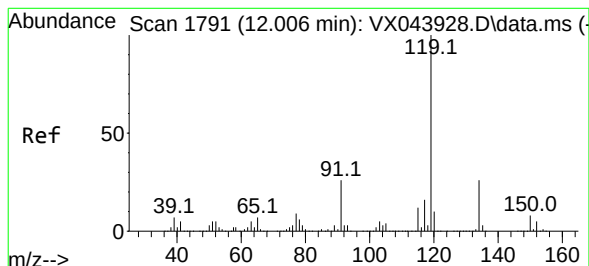
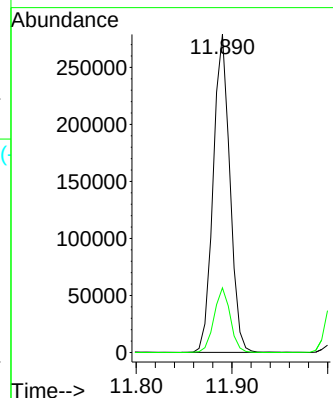
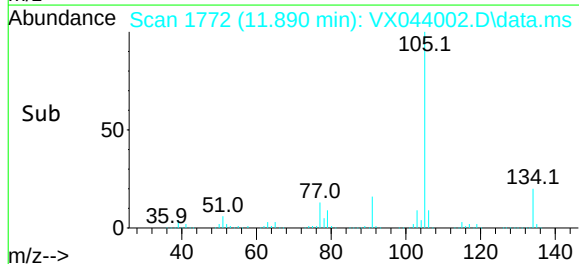
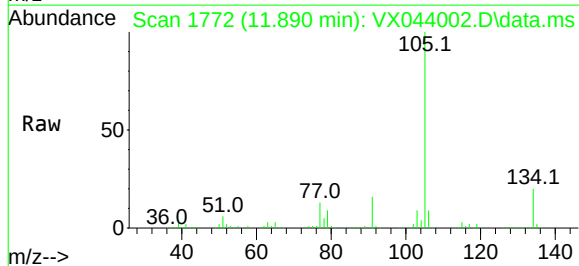
Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#86

p-Isopropyltoluene

Concen: 49.100 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

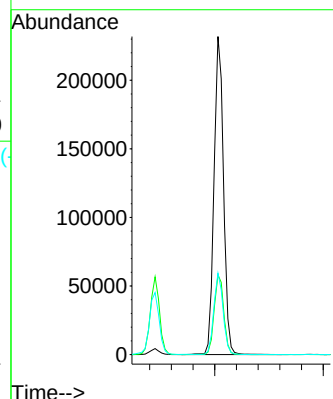
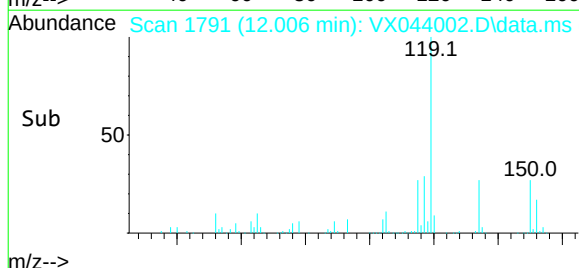
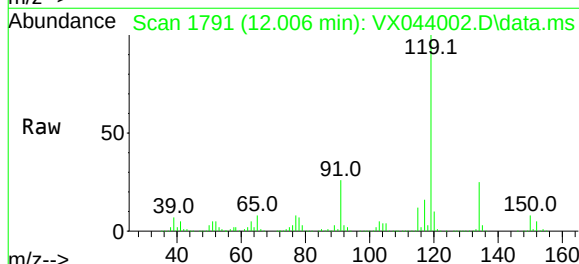
Tgt Ion:119 Resp: 282100

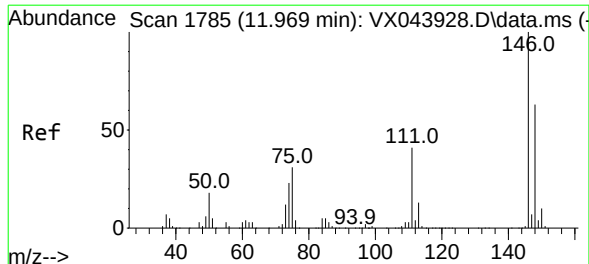
Ion Ratio Lower Upper

119 100

134 25.3 13.0 38.9

91 25.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 46.833 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 144052

Ion Ratio Lower Upper

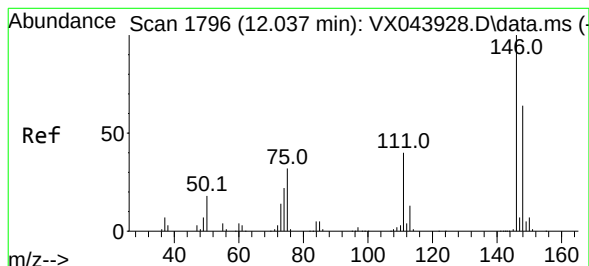
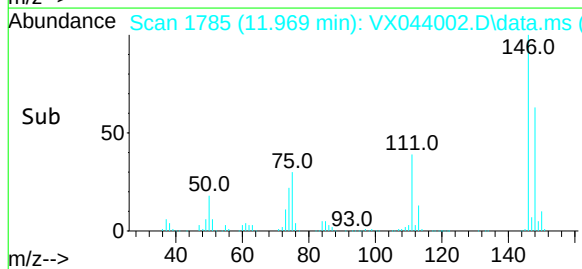
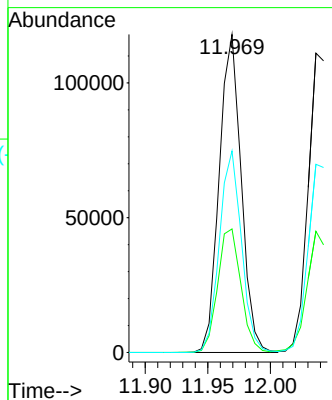
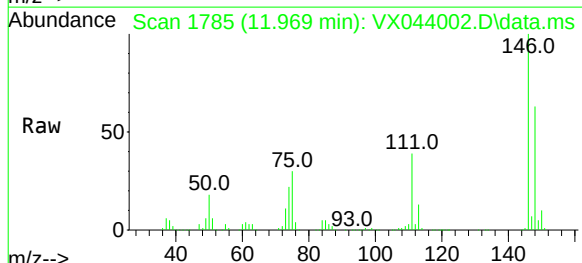
146 100

111 41.3 21.1 63.3

148 63.7 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#88

1,4-Dichlorobenzene

Concen: 45.963 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

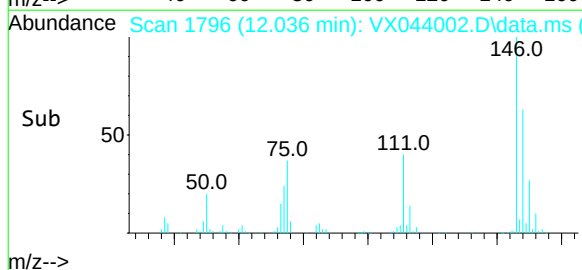
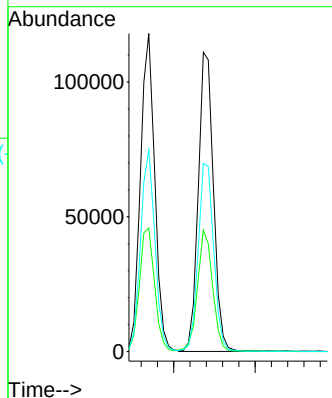
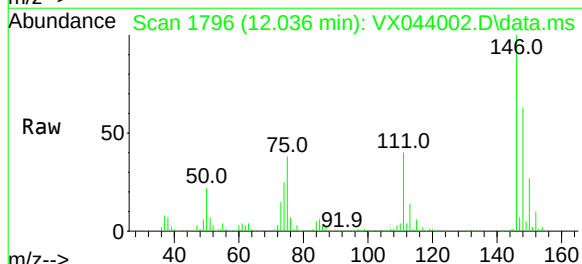
Tgt Ion:146 Resp: 144135

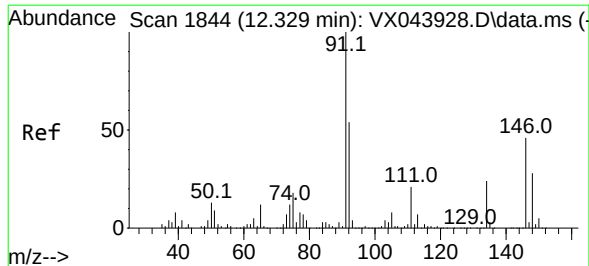
Ion Ratio Lower Upper

146 100

111 39.9 20.1 60.3

148 64.1 30.9 92.8





#89

n-Butylbenzene

Concen: 47.613 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044002.D

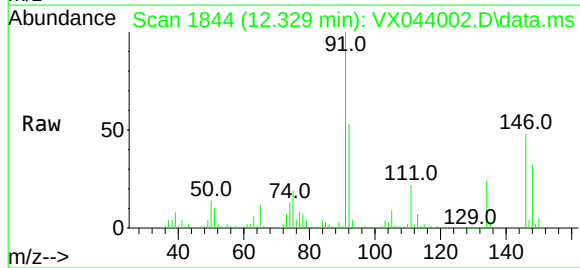
Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

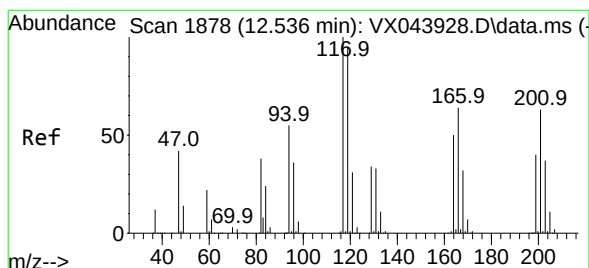
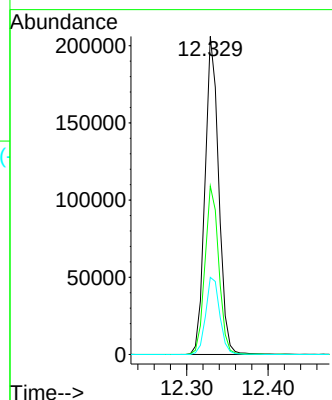
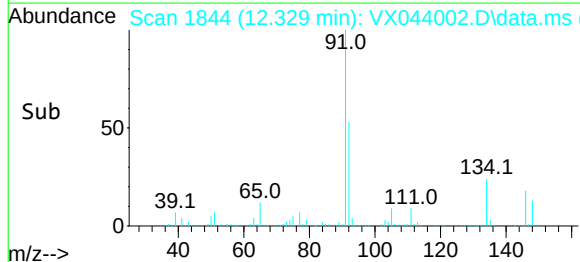
VSTDCCC050EC



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 241187 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 92       | 53.2  | 26.6  | 79.8   |
| 134      | 24.8  | 12.4  | 37.2   |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#90

Hexachloroethane

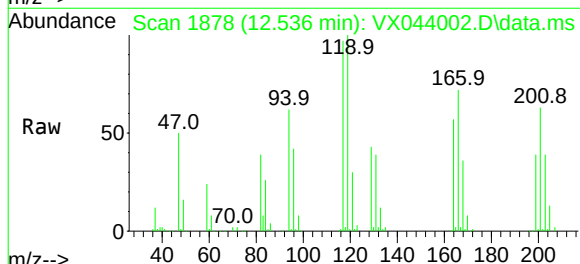
Concen: 45.341 ug/l

RT: 12.536 min Scan# 1878

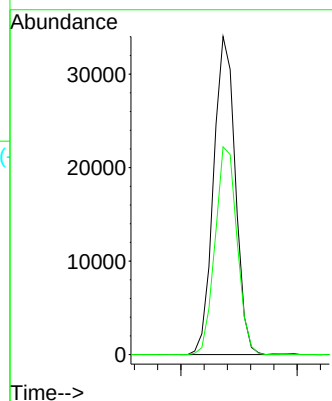
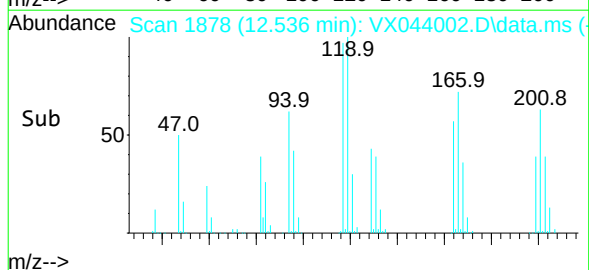
Delta R.T. -0.000 min

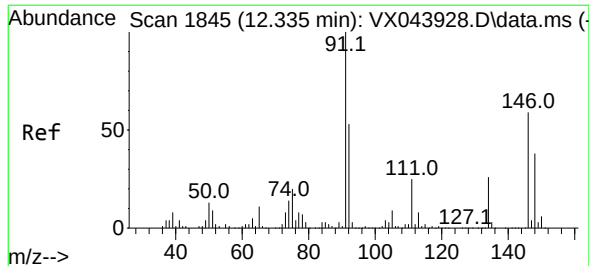
Lab File: VX044002.D

Acq: 25 Nov 2024 21:12



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 44297 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 65.9  | 32.4  | 97.0  |





#91

1,2-Dichlorobenzene

Concen: 47.496 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044002.D

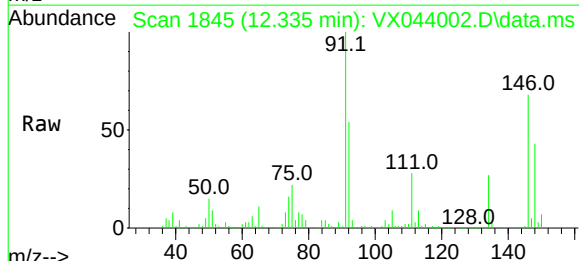
Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 146 Resp: 147432

Ion Ratio Lower Upper

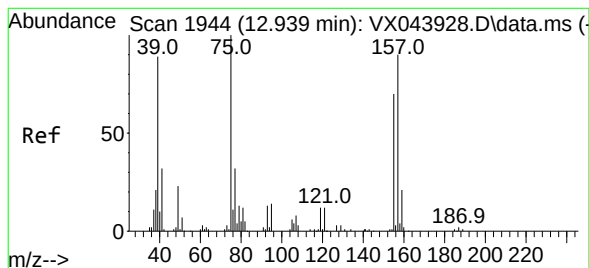
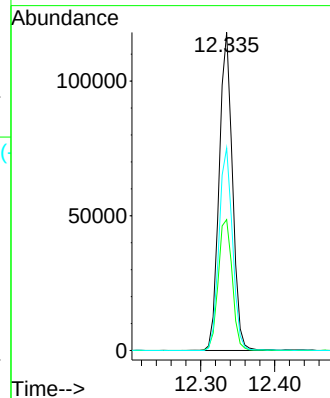
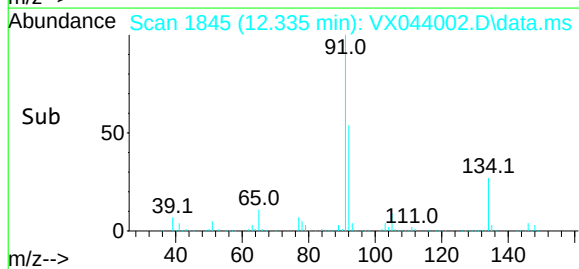
146 100

111 43.2 21.5 64.5

148 64.6 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#92

1,2-Dibromo-3-Chloropropane

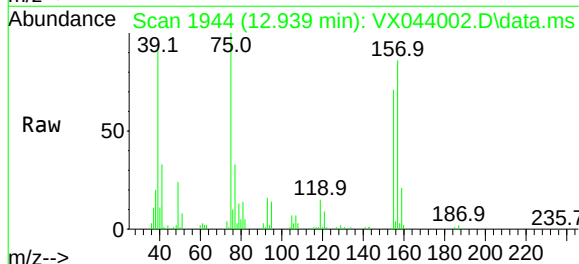
Concen: 46.434 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12



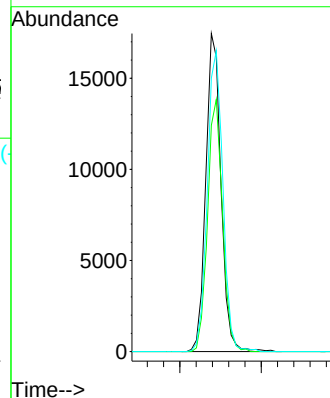
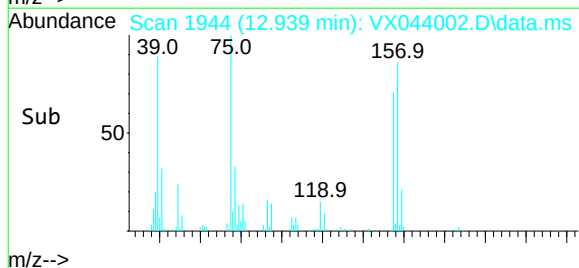
Tgt Ion: 75 Resp: 22554

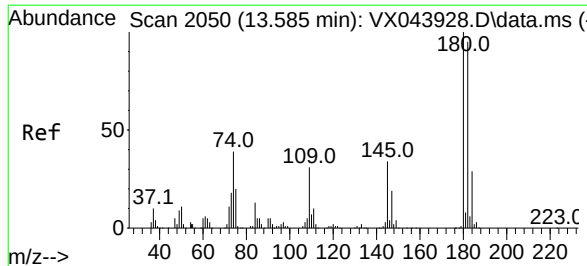
Ion Ratio Lower Upper

75 100

155 78.3 40.1 120.2

157 97.0 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 45.372 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 83033

Ion Ratio Lower Upper

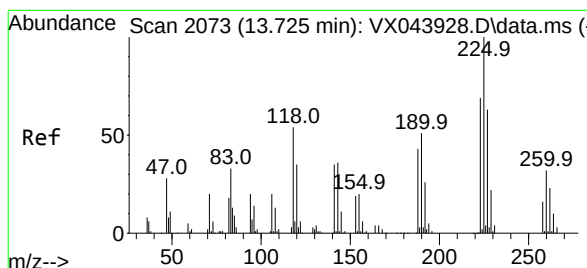
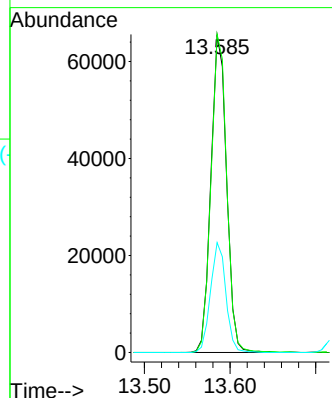
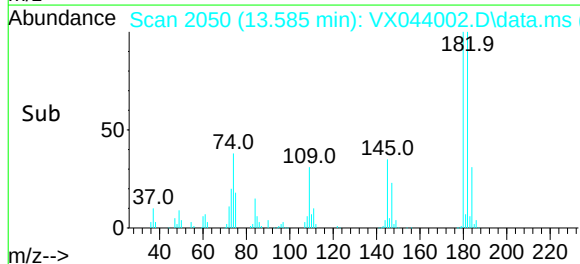
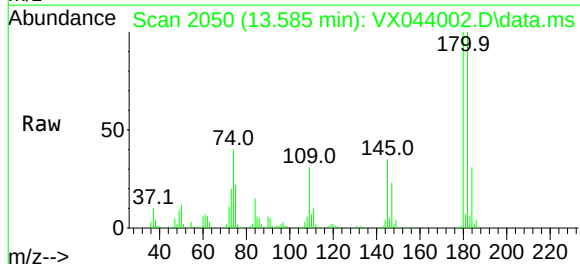
180 100

182 100.3 48.0 144.2

145 34.0 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#94

Hexachlorobutadiene

Concen: 47.196 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

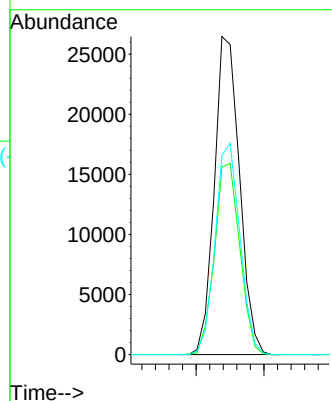
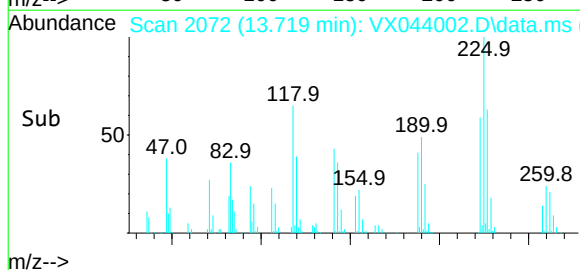
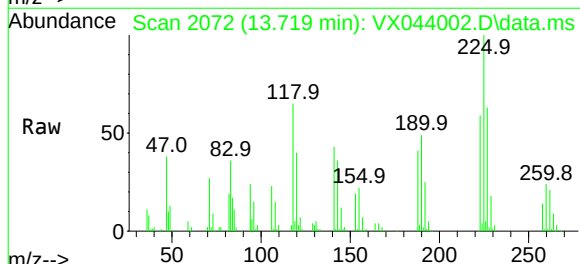
Tgt Ion:225 Resp: 34135

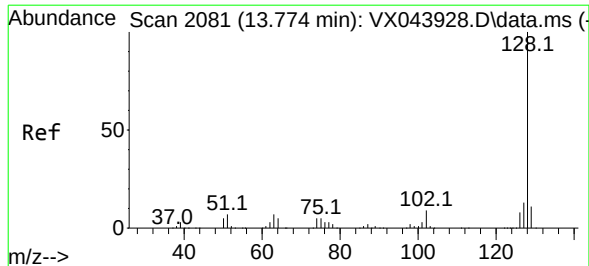
Ion Ratio Lower Upper

225 100

223 60.3 32.9 98.6

227 65.4 31.6 94.8





#95

Naphthalene

Concen: 48.261 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044002.D

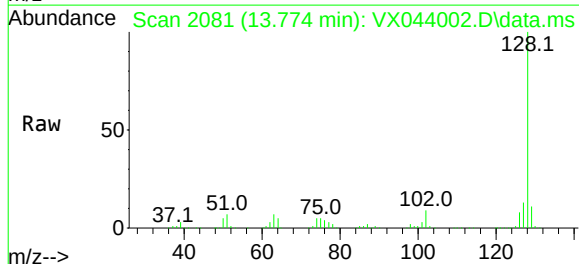
Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion:128 Resp: 317925

Ion Ratio Lower Upper

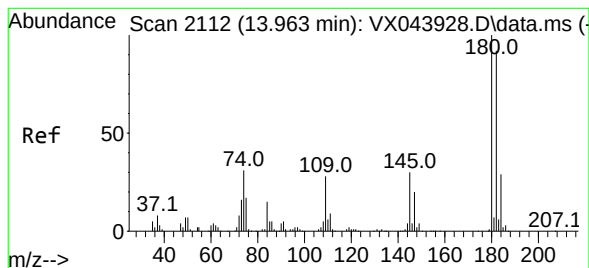
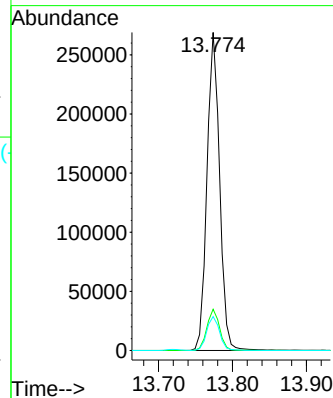
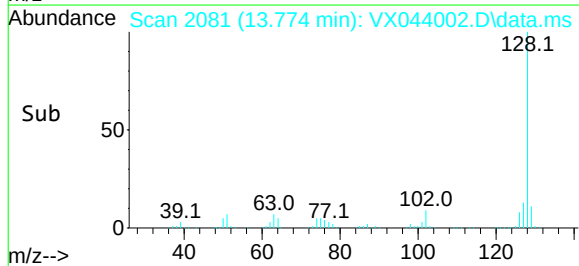
128 100

127 13.1 10.2 15.2

129 10.9 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#96

1,2,3-Trichlorobenzene

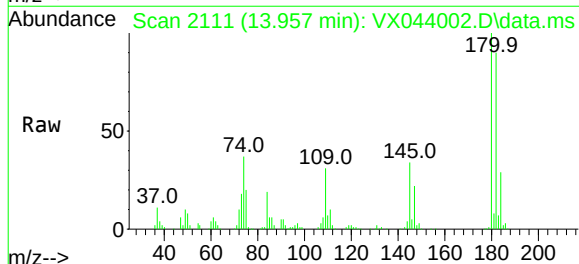
Concen: 48.432 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12



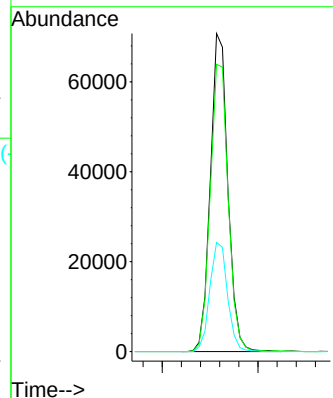
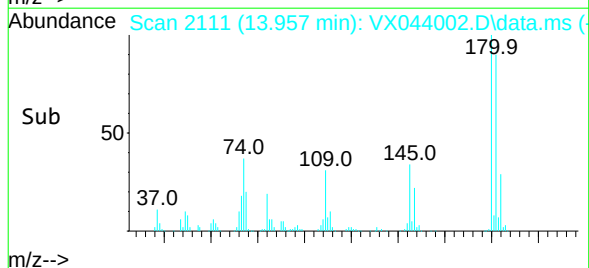
Tgt Ion:180 Resp: 89710

Ion Ratio Lower Upper

180 100

182 93.1 45.6 136.8

145 34.8 16.4 49.4





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 26 00:56:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.558 | 11.8  | 75    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.617 | 7.5   | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.635 | 10.4# | 77    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.412 | 5.5   | 85    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.363 | 16.0  | 73    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.302 | -2.7  | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.435 | 5.8   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.538 | 11.1  | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.722 | 4.4   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.118 | 14.5  | 75    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.522 | 9.4#  | 80    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.128 | 11.7  | 81    | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 0.872 | 7.3   | 77    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.306 | 8.7   | 76    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.286 | 27.4# | 62    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 0.966 | 18.7  | 69    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.852 | 7.1   | 79    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 2.023 | 3.3   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.613 | 8.2   | 84    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.551 | 7.4   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 1.953 | 3.0   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.675 | 2.7   | 79    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.123 | 3.3   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.440 | 13.4  | 71    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 0.887 | 15.4  | 71    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.689 | 6.3   | 80    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.474 | 7.2   | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.280 | 10.3  | 76    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.211 | 3.0#  | 85    | 0.01     |
| 31 T  | Cyclohexane                 | 0.956 | 0.867 | 9.3   | 77    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 1.072 | 0.5   | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.851 | 0.8   | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.350 | 2.0   | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.421 | 5.4   | 81    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.489 | 11.6  | 77    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.466 | 6.8   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.500 | 13.5  | 73    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.309 | 5.6   | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.259 | 8.5   | 75    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.526 | 5.6   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.810 | 8.0   | 79    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.324 | 17.6  | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.329 | 3.2#  | 85    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.264 | 1.9   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.472 | 2.1   | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.389 | 7.8   | 80    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 26 00:56:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.006 | 25.0 | 69    | 0.01     |
| 50 S  | Toluene-d8                  | 1.232 | 1.189 | 3.5  | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.500 | 6.9  | 79    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.798 | 3.9# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.463 | 5.7  | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.504 | 6.5  | 79    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.319 | 7.0  | 82    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.520 | 2.6  | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.547 | 5.2  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.267 | 2.2  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.368 | 8.7  | 75    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.328 | 4.7  | 79    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.336 | 2.9  | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.404 | 3.6  | 100   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.314 | 4.8  | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.020 | 7.1  | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.352 | 1.1  | 82    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 1.805 | 3.0# | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.668 | 3.7  | 80    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.671 | 1.0  | 81    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.108 | 1.2  | 80    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.233 | 2.9  | 75    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 3.677 | 4.3  | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 1.762 | 1.0  | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.241 | 5.7  | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.005 | 8.3  | 78    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.862 | 6.0  | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 4.073 | 5.1  | 79    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.502 | 7.8  | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 3.068 | 3.0  | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.341 | 15.2 | 71    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 2.893 | 5.6  | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 3.038 | 3.1  | 81    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.061 | 2.8  | 82    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 3.658 | 4.7  | 79    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 3.063 | 1.8  | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.564 | 6.3  | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.565 | 8.0  | 81    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 2.619 | 4.8  | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.481 | 9.2  | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.601 | 5.0  | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.245 | 7.2  | 79    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 0.902 | 9.3  | 76    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.371 | 5.6  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 3.452 | 3.5  | 79    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX044002.D  
Acq On : 25 Nov 2024 21:12  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 0.974 | 3.2  | 80    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 26 00:56:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 44.038  | 11.9  | 75    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 46.313  | 7.4   | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.790  | 10.4# | 77    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 47.193  | 5.6   | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.008  | 16.0  | 73    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 51.343  | -2.7  | 88    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.026  | 5.9   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 44.482  | 11.0  | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.774  | 4.5   | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 214.153 | 14.3  | 75    | 0.01     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.277  | 9.4#  | 80    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 220.005 | 12.0  | 81    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 46.334  | 7.3   | 77    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 227.931 | 8.8   | 76    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 181.348 | 27.5# | 62    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 40.633  | 18.7  | 69    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.459  | 7.1   | 79    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.344  | 3.3   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 45.823  | 8.4   | 84    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.341  | 7.3   | 80    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 48.501  | 3.0   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 243.229 | 2.7   | 79    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 48.335  | 3.3   | 82    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 216.431 | 13.4  | 71    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 42.282  | 15.4  | 71    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 46.860  | 6.3   | 80    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 46.403  | 7.2   | 97    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 224.316 | 10.3  | 76    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.472  | 3.1#  | 85    | 0.01     |
| 31 T  | Cyclohexane                 | 50.000  | 45.330  | 9.3   | 77    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 49.746  | 0.5   | 83    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.603  | 0.8   | 104   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.008  | 2.0   | 102   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.258  | 5.5   | 81    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 44.263  | 11.5  | 77    | 0.01     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 46.611  | 6.8   | 80    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 43.198  | 13.6  | 73    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 47.188  | 5.6   | 84    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 45.746  | 8.5   | 75    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.224  | 5.6   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 46.041  | 7.9   | 79    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 41.321  | 17.4  | 83    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.403  | 3.2#  | 85    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.045  | 1.9   | 86    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 48.953  | 2.1   | 83    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.134  | 7.7   | 80    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 26 00:56:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 777.017 | 22.3 | 69    | 0.01     |
| 50 S  | Toluene-d8                  | 50.000   | 48.276  | 3.4  | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 232.731 | 6.9  | 79    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.090  | 3.8# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 47.064  | 5.9  | 78    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 46.816  | 6.4  | 79    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.565  | 6.9  | 82    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 48.673  | 2.7  | 81    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 47.362  | 5.3  | 84    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 227.585 | 9.0  | 83    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 228.307 | 8.7  | 75    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 47.648  | 4.7  | 79    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 48.453  | 3.1  | 83    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 48.195  | 3.6  | 100   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 92    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 47.689  | 4.6  | 82    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.431  | 7.1  | 82    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 49.406  | 1.2  | 82    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.488  | 3.0# | 82    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.253  | 3.7  | 80    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 49.529  | 0.9  | 81    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 49.457  | 1.1  | 80    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 43.484  | 13.0 | 75    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.838  | 4.3  | 82    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.487  | 1.0  | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 47.162  | 5.7  | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.843  | 8.3  | 78    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 47.012  | 6.0  | 81    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.443  | 5.1  | 79    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.093  | 7.8  | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.515  | 3.0  | 82    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 42.379  | 15.2 | 71    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.210  | 5.6  | 80    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.465  | 3.1  | 81    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 48.618  | 2.8  | 82    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 47.629  | 4.7  | 79    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.100  | 1.8  | 80    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 46.833  | 6.3  | 81    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 45.963  | 8.1  | 81    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 47.613  | 4.8  | 76    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 45.341  | 9.3  | 75    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 47.496  | 5.0  | 83    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 46.434  | 7.1  | 79    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 45.372  | 9.3  | 76    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 47.196  | 5.6  | 83    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.261  | 3.5  | 79    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX044002.D  
Acq On : 25 Nov 2024 21:12  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 26 00:56:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 48.432 | 3.1  | 80    | 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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/26/2024 09:59

Lab File ID: VX044004.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.633 | 0.557  |            | -12.01 | 20    |
| Chloromethane                  | 0.667 | 0.577  | 0.1        | -13.49 | 20    |
| Vinyl Chloride                 | 0.709 | 0.640  |            | -9.73  | 20    |
| Bromomethane                   | 0.436 | 0.401  |            | -8.03  | 20    |
| Chloroethane                   | 0.432 | 0.419  |            | -3.01  | 20    |
| Trichlorofluoromethane         | 1.268 | 1.122  |            | -11.51 | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.557  |            | -7.93  | 20    |
| 1,1-Dichloroethene             | 0.576 | 0.507  |            | -11.98 | 20    |
| Acetone                        | 0.394 | 0.399  |            | 1.27   | 20    |
| Carbon Disulfide               | 1.188 | 0.975  |            | -17.93 | 20    |
| Methyl tert-butyl Ether        | 2.092 | 1.897  |            | -9.32  | 20    |
| Methyl Acetate                 | 0.917 | 0.867  |            | -5.45  | 20    |
| Methylene Chloride             | 0.668 | 0.585  |            | -12.43 | 20    |
| trans-1,2-Dichloroethene       | 0.595 | 0.523  |            | -12.1  | 20    |
| 1,1-Dichloroethane             | 1.161 | 1.059  | 0.1        | -8.79  | 20    |
| Cyclohexane                    | 0.956 | 0.839  |            | -12.24 | 20    |
| 2-Butanone                     | 0.508 | 0.499  |            | -1.77  | 20    |
| Carbon Tetrachloride           | 0.500 | 0.496  |            | -0.8   | 20    |
| cis-1,2-Dichloroethene         | 0.735 | 0.667  |            | -9.25  | 20    |
| Bromochloromethane             | 0.511 | 0.489  |            | -4.3   | 20    |
| Chloroform                     | 1.249 | 1.140  |            | -8.73  | 20    |
| 1,1,1-Trichloroethane          | 1.077 | 1.015  |            | -5.76  | 20    |
| Methylcyclohexane              | 0.578 | 0.547  |            | -5.36  | 20    |
| Benzene                        | 1.387 | 1.336  |            | -3.68  | 20    |
| 1,2-Dichloroethane             | 0.557 | 0.527  |            | -5.39  | 20    |
| Trichloroethene                | 0.393 | 0.332  |            | -15.52 | 20    |
| 1,2-Dichloropropane            | 0.340 | 0.332  |            | -2.35  | 20    |
| Bromodichloromethane           | 0.482 | 0.498  |            | 3.32   | 20    |
| 4-Methyl-2-Pentanone           | 0.537 | 0.541  |            | 0.75   | 20    |
| Toluene                        | 0.830 | 0.805  |            | -3.01  | 20    |
| t-1,3-Dichloropropene          | 0.491 | 0.495  |            | 0.81   | 20    |
| cis-1,3-Dichloropropene        | 0.539 | 0.534  |            | -0.93  | 20    |
| 1,1,2-Trichloroethane          | 0.343 | 0.328  |            | -4.37  | 20    |
| 2-Hexanone                     | 0.403 | 0.418  |            | 3.72   | 20    |
| Dibromochloromethane           | 0.344 | 0.360  |            | 4.65   | 20    |
| 1,2-Dibromoethane              | 0.346 | 0.346  |            | 0      | 20    |
| Tetrachloroethene              | 0.330 | 0.317  |            | -3.94  | 20    |
| Chlorobenzene                  | 1.098 | 1.032  | 0.3        | -6.01  | 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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/26/2024 09:59

Lab File ID: VX044004.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.861 | 1.798  |            | -3.38 | 20    |
| m/p-Xylenes                 | 0.694 | 0.667  |            | -3.89 | 20    |
| o-Xylene                    | 0.678 | 0.654  |            | -3.54 | 20    |
| Styrene                     | 1.121 | 1.130  |            | 0.8   | 20    |
| Bromoform                   | 0.240 | 0.254  | 0.1        | 5.83  | 20    |
| Isopropylbenzene            | 3.843 | 3.671  |            | -4.48 | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.316 | 1.267  | 0.3        | -3.72 | 20    |
| 1,3-Dichlorobenzene         | 1.670 | 1.597  |            | -4.37 | 20    |
| 1,4-Dichlorobenzene         | 1.702 | 1.597  |            | -6.17 | 20    |
| 1,2-Dichlorobenzene         | 1.685 | 1.660  |            | -1.48 | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.264 | 0.261  |            | -1.14 | 20    |
| 1,2,4-Trichlorobenzene      | 0.994 | 0.956  |            | -3.82 | 20    |
| 1,2,3-Trichlorobenzene      | 1.006 | 0.995  |            | -1.09 | 20    |
| 1,2-Dichloroethane-d4       | 0.858 | 0.810  |            | -5.59 | 20    |
| Dibromofluoromethane        | 0.357 | 0.363  |            | 1.68  | 20    |
| Toluene-d8                  | 1.232 | 1.221  |            | -0.89 | 20    |
| 4-Bromofluorobenzene        | 0.419 | 0.423  |            | 0.95  | 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\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 135994   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 228315   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 197529   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 92620    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.946  | 65    | 110161   | 47.228   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 94.460%  |
| 35) Dibromofluoromethane  | 5.379  | 113   | 82790    | 50.747   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 101.500% |
| 50) Toluene-d8            | 8.641  | 98    | 278812   | 49.578   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 99.160%  |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 96622    | 50.484   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 100.960% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 75702   | 43.941  | ug/l | 97     |
| 3) Chloromethane             | 1.295 | 50  | 78484   | 43.291  | ug/l | 98     |
| 4) Vinyl Chloride            | 1.374 | 62  | 87002   | 45.118  | ug/l | 96     |
| 5) Bromomethane              | 1.593 | 94  | 54518   | 45.957  | ug/l | 97     |
| 6) Chloroethane              | 1.666 | 64  | 56985   | 48.498  | ug/l | 95     |
| 7) Trichlorofluoromethane    | 1.874 | 101 | 152571  | 44.255  | ug/l | 97     |
| 8) Diethyl Ether             | 2.130 | 74  | 55836   | 44.435  | ug/l | 95     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 75770   | 46.075  | ug/l | 99     |
| 10) Methyl Iodide            | 2.441 | 142 | 92105   | 44.845  | ug/l | 99     |
| 11) Tert butyl alcohol       | 2.989 | 59  | 82156   | 219.438 | ug/l | 98     |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 68952   | 44.001  | ug/l | 97     |
| 13) Acrolein                 | 2.233 | 56  | 82214   | 208.335 | ug/l | 98     |
| 14) Allyl chloride           | 2.654 | 41  | 116809  | 45.619  | ug/l | 99     |
| 15) Acrylonitrile            | 3.056 | 53  | 215553  | 236.257 | ug/l | 98     |
| 16) Acetone                  | 2.380 | 43  | 271476  | 253.405 | ug/l | 100    |
| 17) Carbon Disulfide         | 2.502 | 76  | 132536  | 41.002  | ug/l | 99     |
| 18) Methyl Acetate           | 2.697 | 43  | 117885  | 47.252  | ug/l | 100    |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 257926  | 45.330  | ug/l | 99     |
| 20) Methylene Chloride       | 2.782 | 84  | 79518   | 43.739  | ug/l | 97     |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 71142   | 43.972  | ug/l | 98     |
| 22) Diisopropyl ether        | 3.751 | 45  | 249952  | 45.651  | ug/l | 90     |
| 23) Vinyl Acetate            | 3.715 | 43  | 1111841 | 237.383 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 143957  | 45.576  | ug/l | 100    |
| 25) 2-Butanone               | 4.550 | 43  | 339041  | 245.268 | ug/l | 97     |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 131573  | 46.124  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 4.471 | 96  | 90728   | 45.367  | ug/l | 100    |
| 28) Bromochloromethane       | 4.885 | 49  | 66554   | 47.869  | ug/l | 97     |
| 29) Tetrahydrofuran          | 5.001 | 42  | 198461  | 234.185 | ug/l | 99     |
| 30) Chloroform               | 5.080 | 83  | 155058  | 45.643  | ug/l | 98     |
| 31) Cyclohexane              | 5.458 | 56  | 114132  | 43.902  | ug/l | 95     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 138038  | 47.118  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.678 | 75  | 99253   | 48.822  | ug/l | 98     |
| 37) Ethyl Acetate            | 4.702 | 43  | 123429  | 48.911  | ug/l | 99     |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 113308  | 49.603  | ug/l | 96     |
| 39) Methylcyclohexane        | 7.373 | 83  | 124981  | 47.322  | ug/l | 97     |
| 40) Benzene                  | 6.025 | 78  | 305074  | 48.176  | ug/l | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 63829    | 49.419  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 120257   | 47.284  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.330  | 43   | 196617   | 48.957  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 75842    | 42.307  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 75782    | 48.861  | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 61145    | 49.837  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.812  | 83   | 113694   | 51.670  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 93154    | 48.339  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31832    | 927.311 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 617411   | 251.920 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 183717   | 48.472  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.970  | 75   | 113108   | 50.408  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 121994   | 49.594  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 74997    | 47.934  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.110  | 69   | 121922   | 50.030  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 130708   | 49.593  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 319778   | 239.296 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 476916   | 258.897 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 82084    | 52.290  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 79068    | 49.979  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 62677    | 48.121  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 203884   | 46.996  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 70900    | 50.392  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 355247   | 48.325  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 263420   | 96.088  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 129159   | 48.254  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 223116   | 50.399  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 50248    | 47.213  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 339978   | 47.752  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 161635   | 49.007  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 117371   | 48.146  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 99863m   | 49.166  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 81644    | 48.072  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 391796   | 49.273  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 234054   | 46.549  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 285548   | 48.750  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 35271    | 47.385  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 276164   | 48.649  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 280949   | 48.392  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 288545   | 49.480  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 350478   | 49.271  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 297712   | 51.525  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 147898   | 47.812  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 147915   | 46.902  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 261214   | 51.276  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 47951    | 48.805  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 153709   | 49.239  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 24192    | 49.526  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 88506    | 48.090  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36855    | 50.669  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 330189   | 49.840  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 92201    | 49.496  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044004.D  
Acq On : 26 Nov 2024 09:59  
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 :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

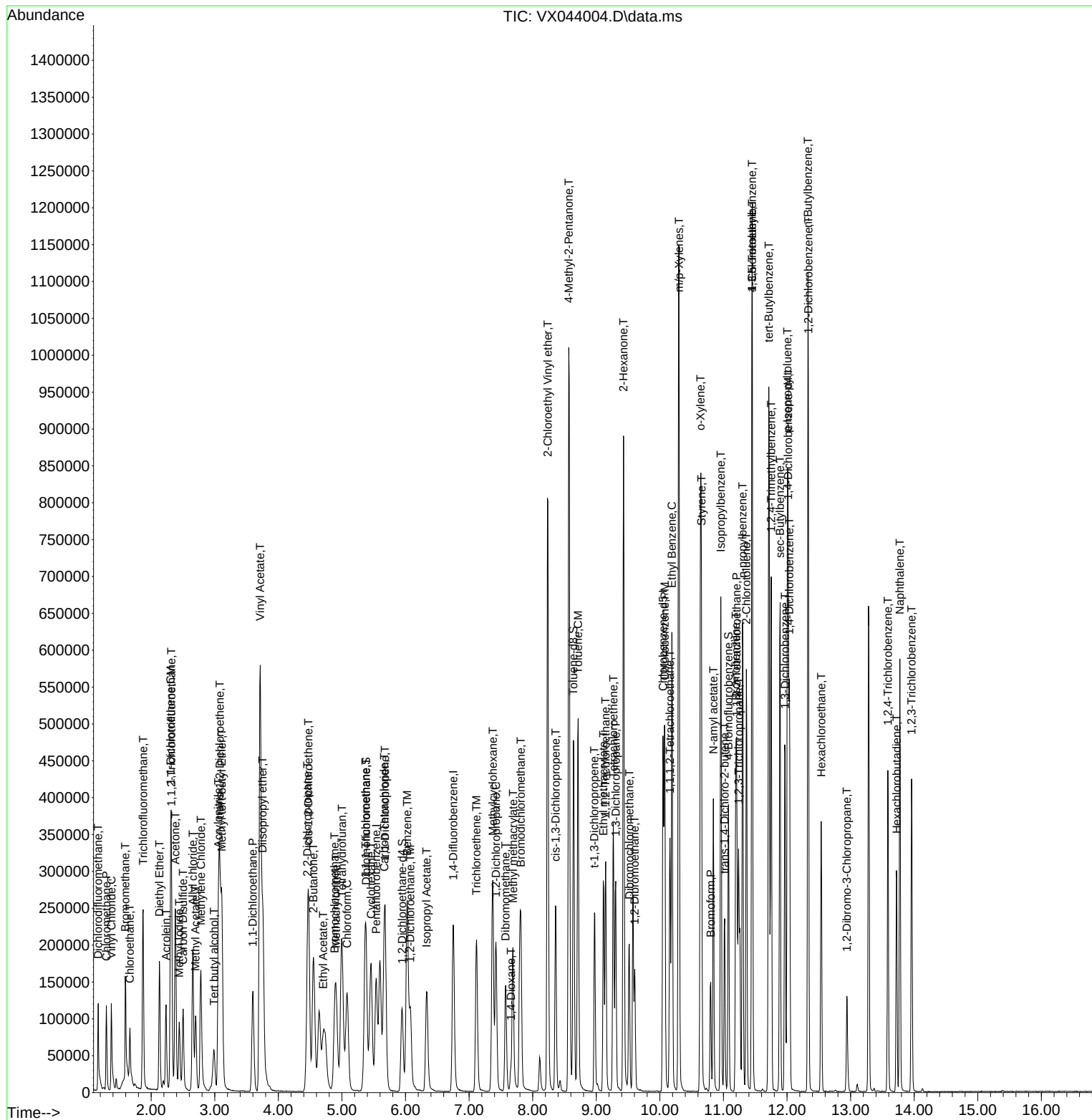
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112624\
Data File : VX044004.D
Acq On    : 26 Nov 2024   09:59
Operator  : JC/MD
Sample    : VSTDCCC050
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 2      Sample Multiplier: 1
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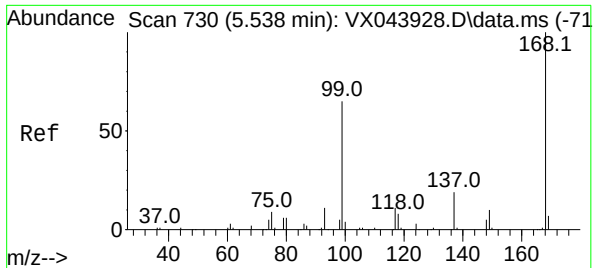
**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





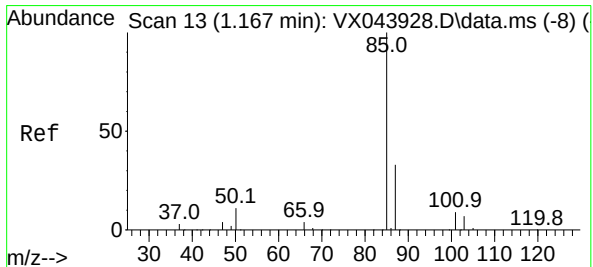
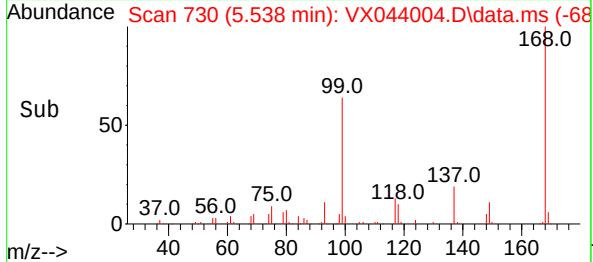
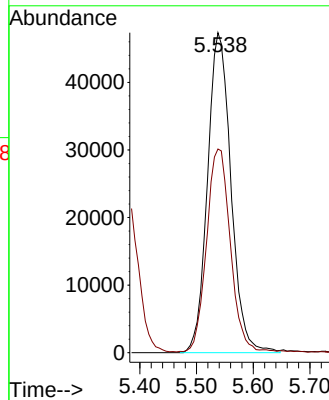
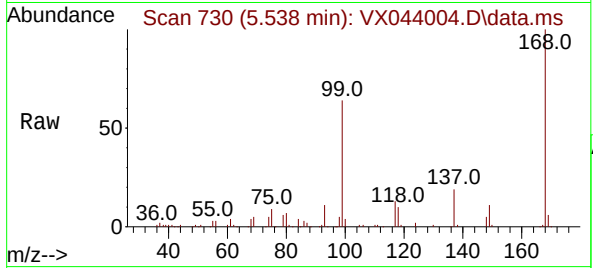
#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:168 Resp: 135994  
Ion Ratio Lower Upper  
168 100  
99 63.3 51.8 77.8

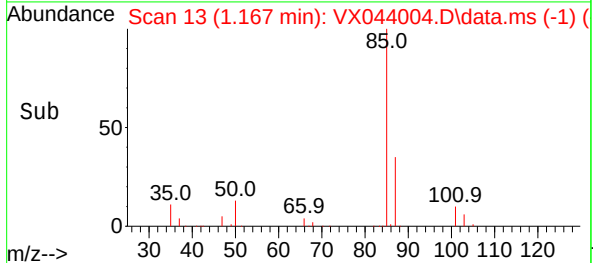
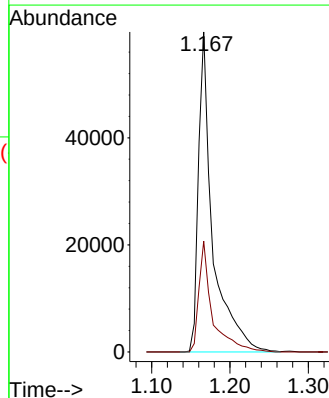
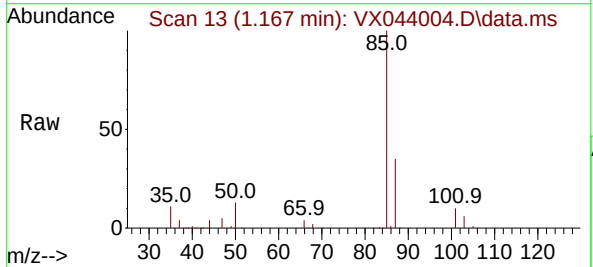
Manual Integrations  
**APPROVED**

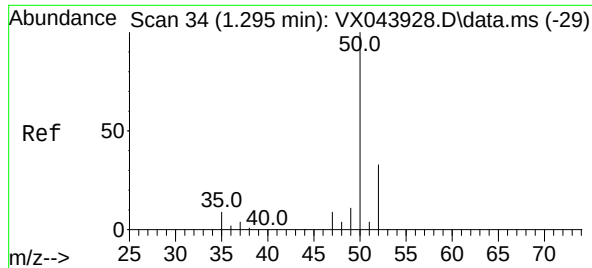
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#2  
Dichlorodifluoromethane  
Concen: 43.941 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 85 Resp: 75702  
Ion Ratio Lower Upper  
85 100  
87 34.7 16.6 49.8





#3

Chloromethane

Concen: 43.291 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 7848

Ion Ratio Lower Upper

50 100

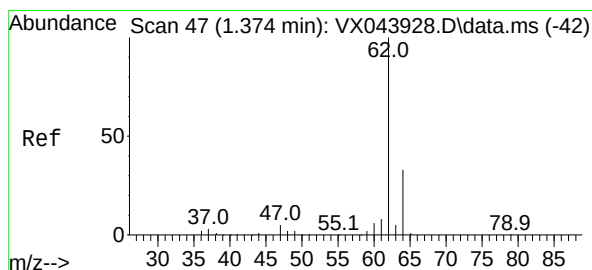
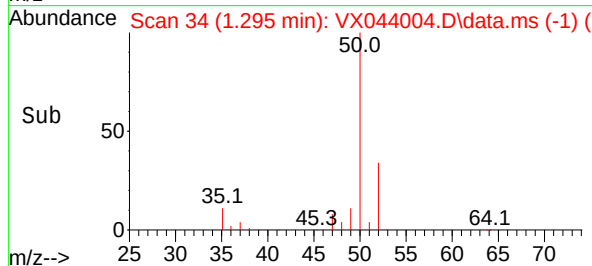
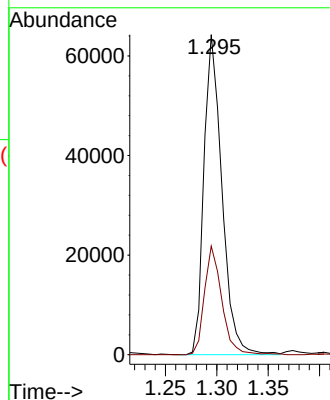
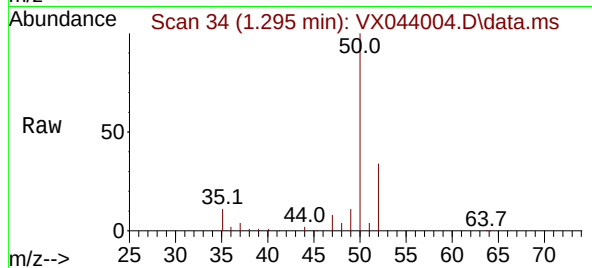
52 33.9 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#4

Vinyl Chloride

Concen: 45.118 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044004.D

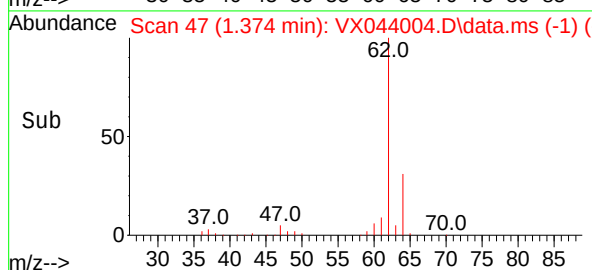
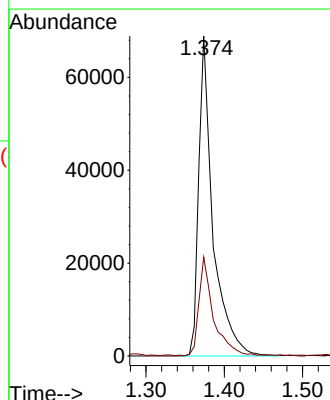
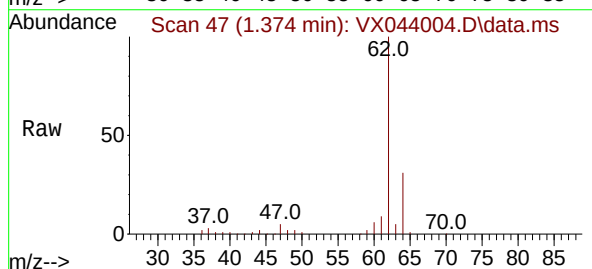
Acq: 26 Nov 2024 09:59

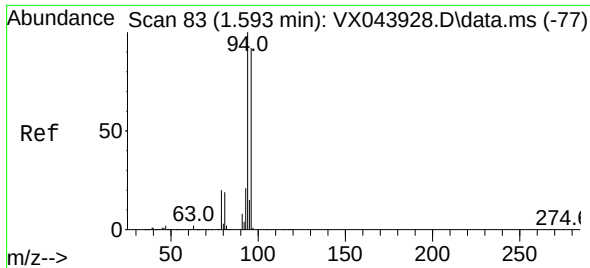
Tgt Ion: 62 Resp: 87002

Ion Ratio Lower Upper

62 100

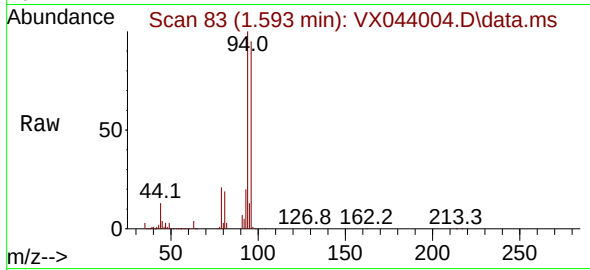
64 30.6 26.2 39.4





#5  
Bromomethane  
Concen: 45.957 ug/l  
RT: 1.593 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

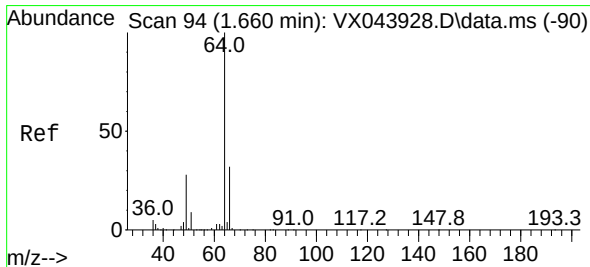
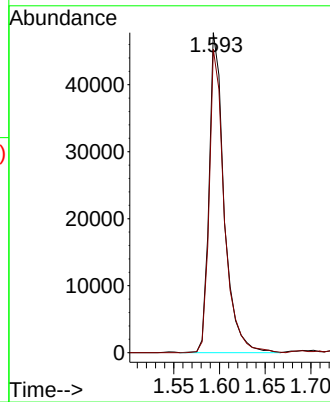
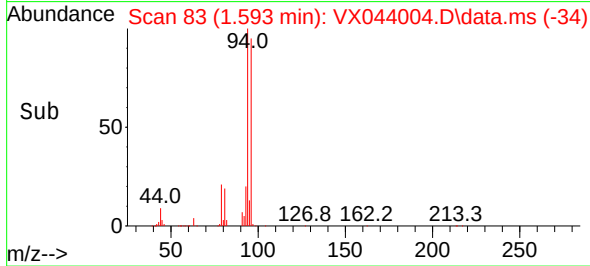
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 94 Resp: 54518  
Ion Ratio Lower Upper  
94 100  
96 94.8 73.9 110.9

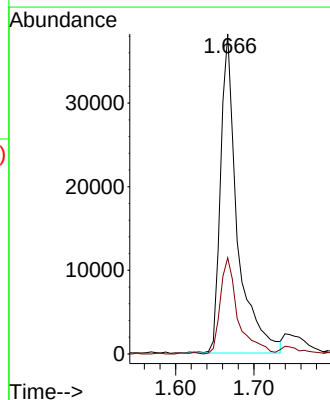
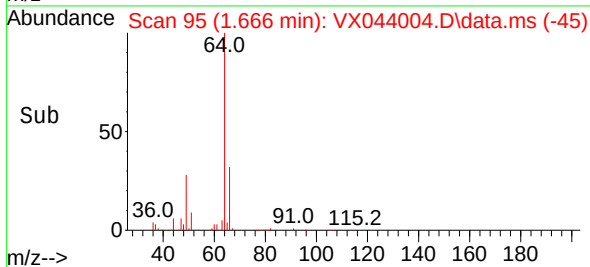
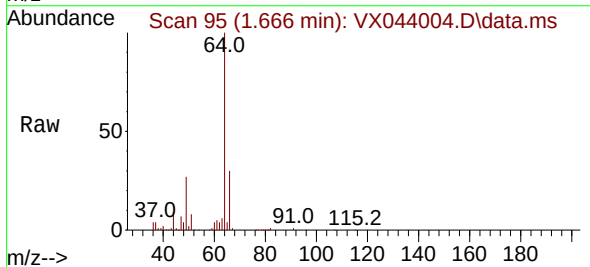
Manual Integrations  
**APPROVED**

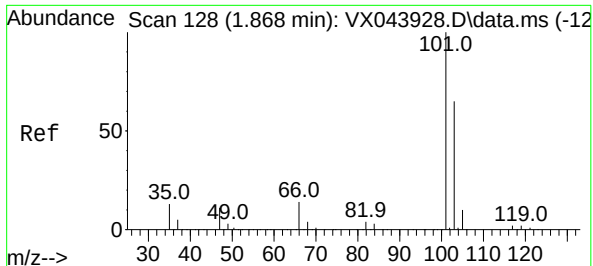
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#6  
Chloroethane  
Concen: 48.498 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

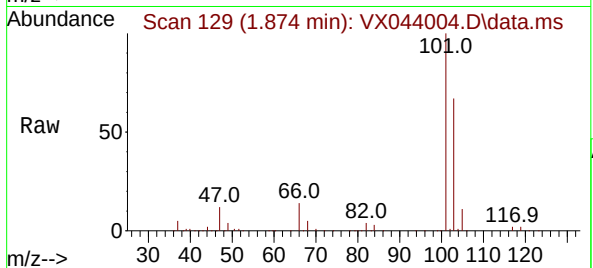
Tgt Ion: 64 Resp: 56985  
Ion Ratio Lower Upper  
64 100  
66 29.8 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 44.255 ug/l  
RT: 1.874 min Scan# 128  
Delta R.T. 0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

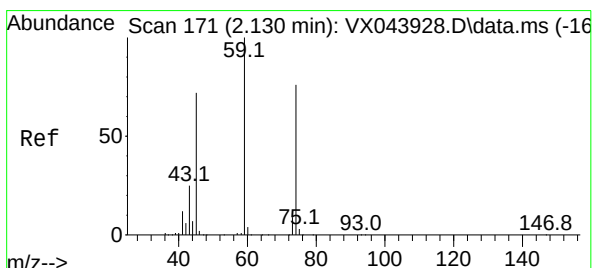
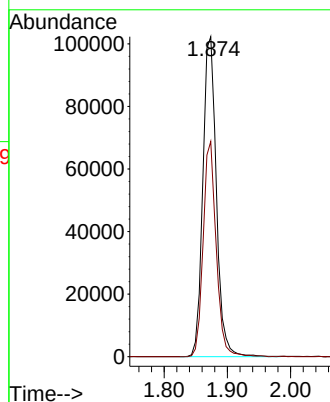
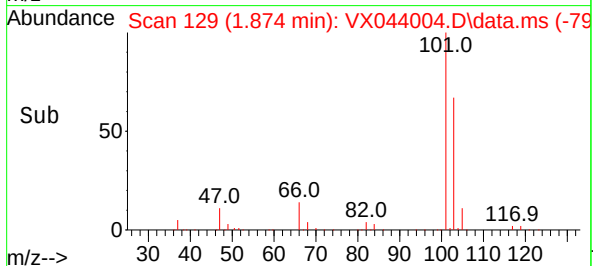
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion:101 Resp: 15257  
Ion Ratio Lower Upper  
101 100  
103 67.3 52.2 78.2

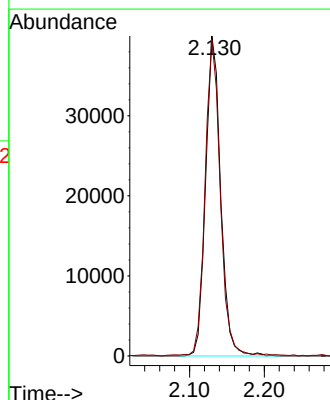
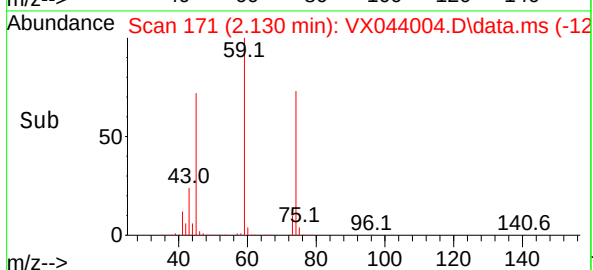
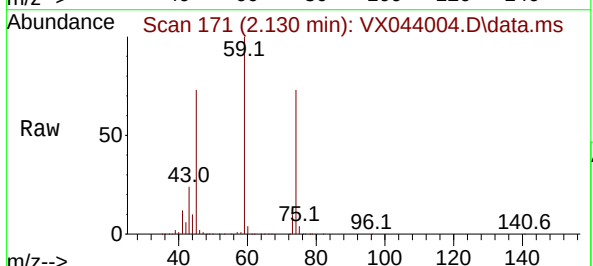
Manual Integrations  
**APPROVED**

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

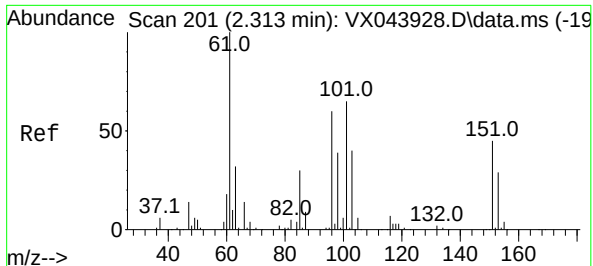


#8  
Diethyl Ether  
Concen: 44.435 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 74 Resp: 55836  
Ion Ratio Lower Upper  
74 100  
45 100.7 47.9 143.6







#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.075 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:101 Resp: 75770

Ion Ratio Lower Upper

101 100

85 49.2 37.9 56.9

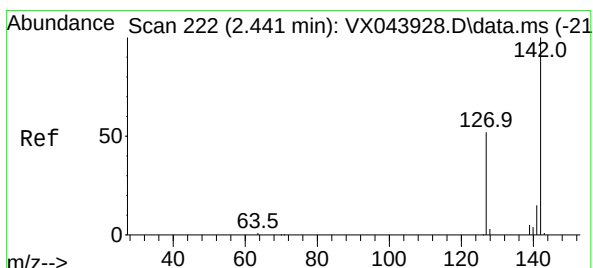
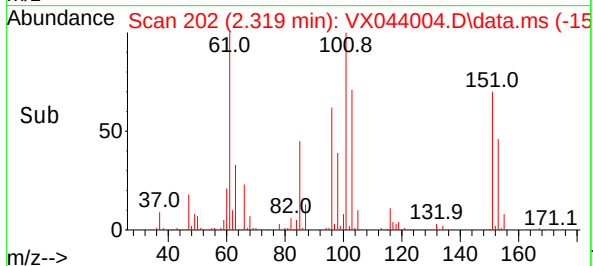
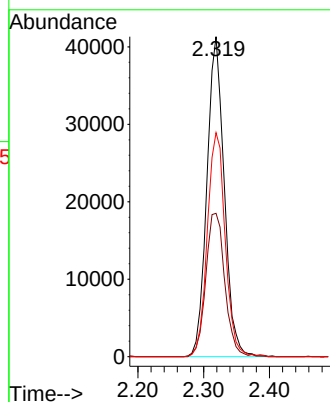
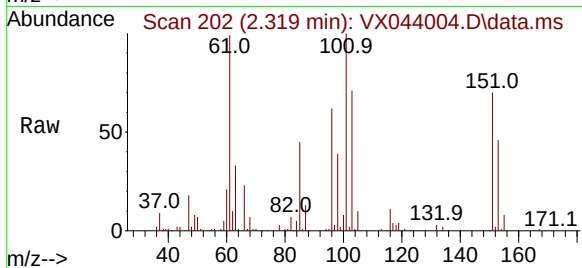
151 72.2 57.5 86.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#10

Methyl Iodide

Concen: 44.845 ug/l

RT: 2.441 min Scan# 222

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

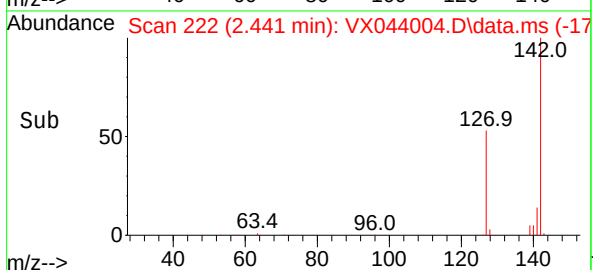
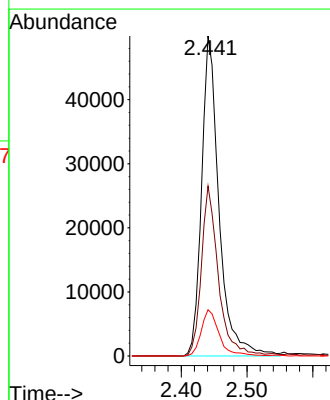
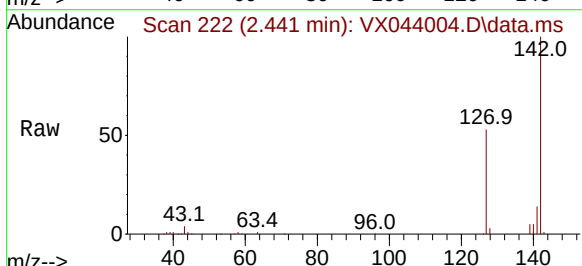
Tgt Ion:142 Resp: 92105

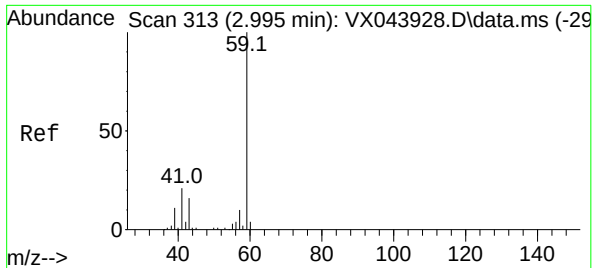
Ion Ratio Lower Upper

142 100

127 52.1 40.7 61.1

141 14.9 12.0 18.0





#11

Tert butyl alcohol

Concen: 219.438 ug/l

RT: 2.989 min Scan# 313

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 59 Resp: 82150

Ion Ratio Lower Upper

59 100

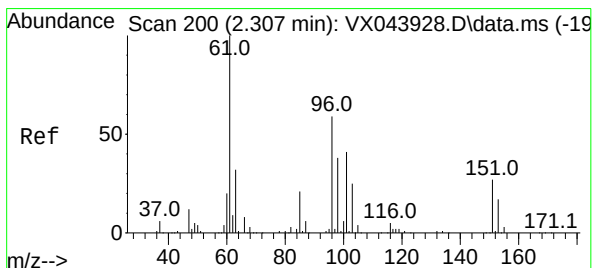
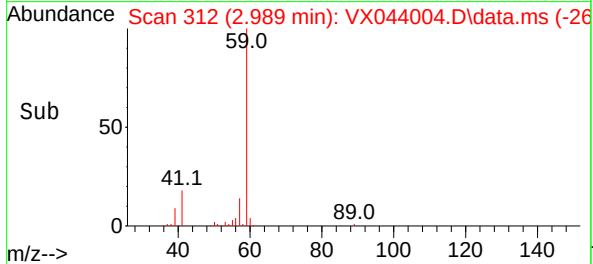
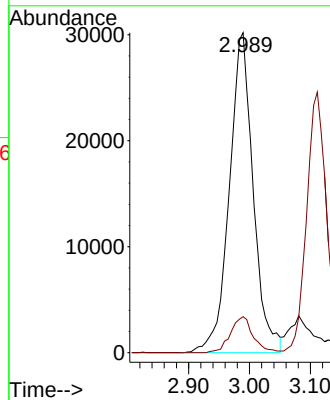
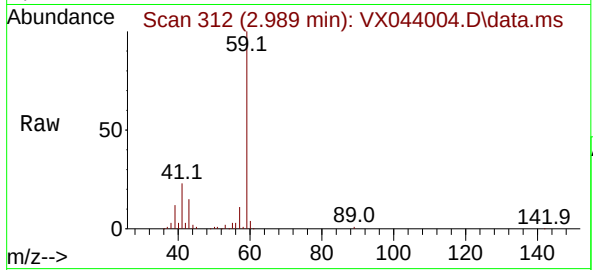
57 10.7 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#12

1,1-Dichloroethene

Concen: 44.001 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

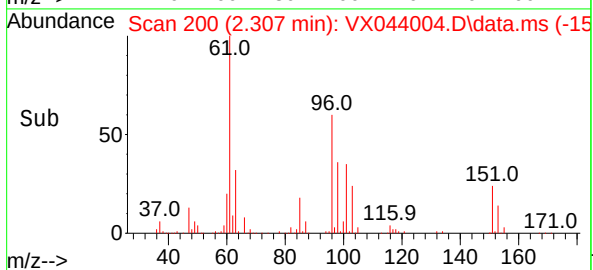
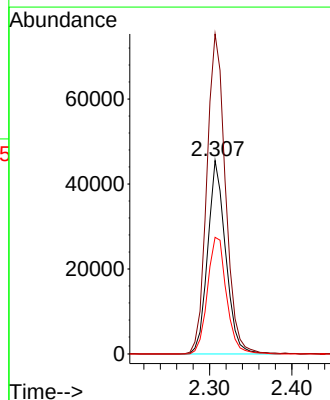
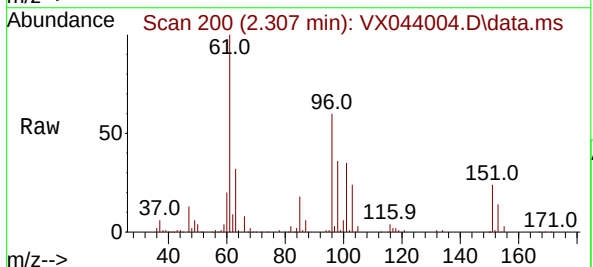
Tgt Ion: 96 Resp: 68952

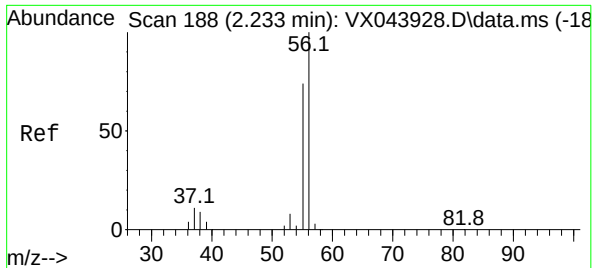
Ion Ratio Lower Upper

96 100

61 165.4 135.5 203.3

98 60.3 50.8 76.2





#13

Acrolein

Concen: 208.335 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 82214

Ion Ratio Lower Upper

56 100

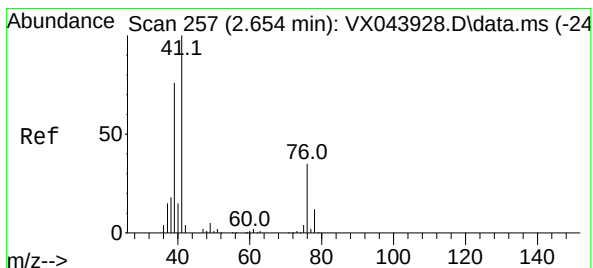
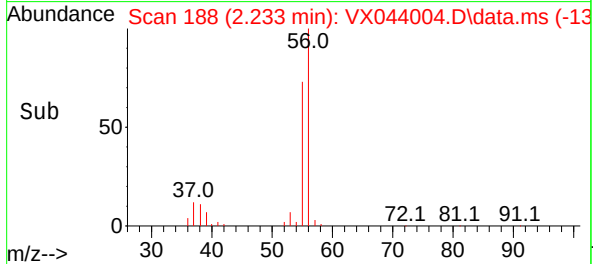
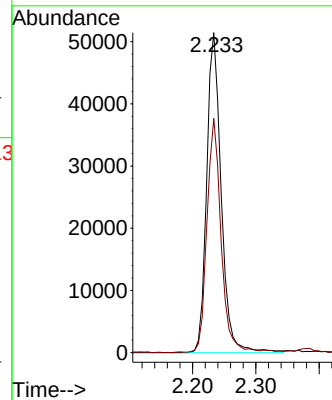
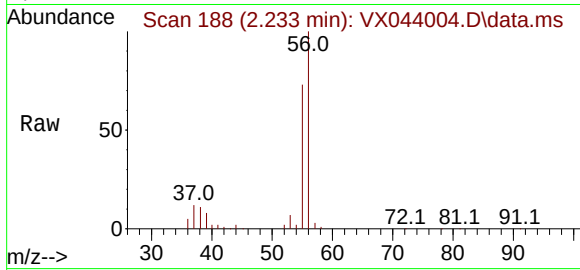
55 71.4 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#14

Allyl chloride

Concen: 45.619 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

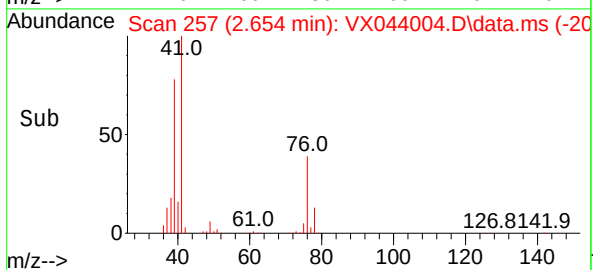
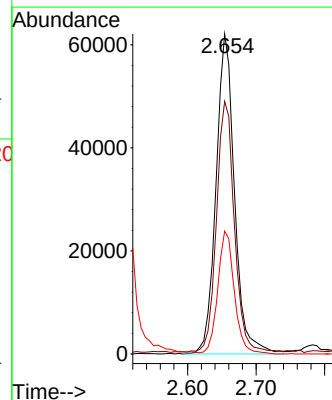
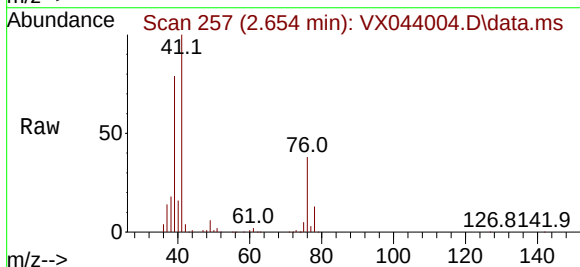
Tgt Ion: 41 Resp: 116809

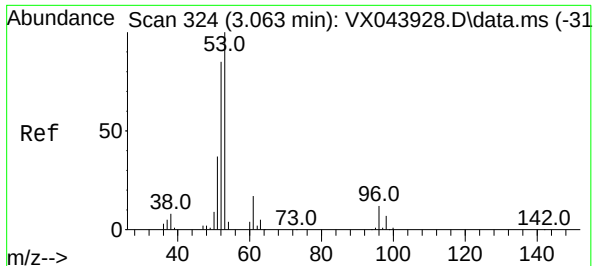
Ion Ratio Lower Upper

41 100

39 75.9 59.5 89.3

76 34.3 27.4 41.2





#15

Acrylonitrile

Concen: 236.257 ug/l

RT: 3.056 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 53 Resp: 21555

Ion Ratio Lower Upper

53 100

52 85.6 66.5 99.7

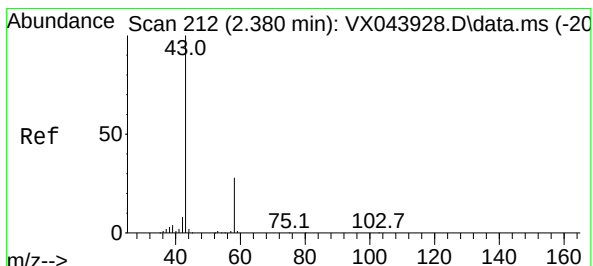
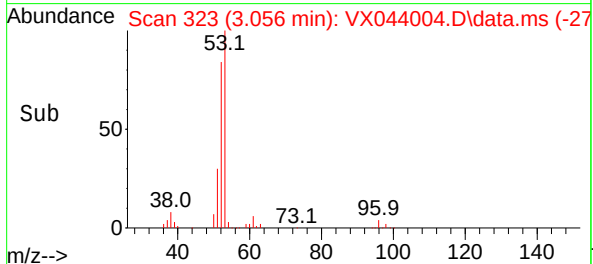
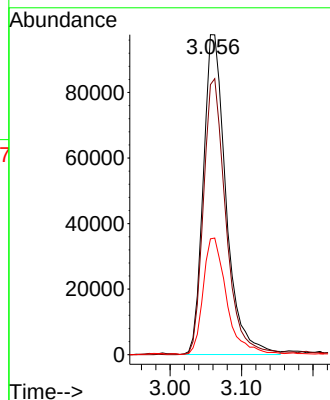
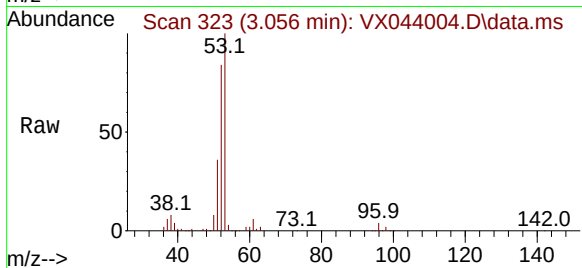
51 37.6 30.2 45.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#16

Acetone

Concen: 253.405 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX044004.D

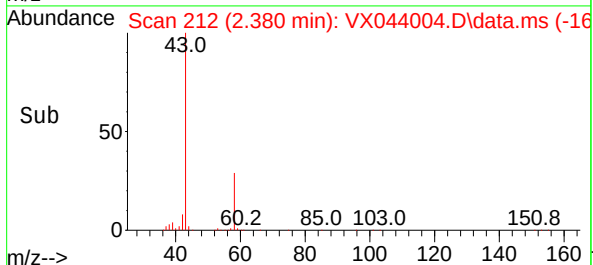
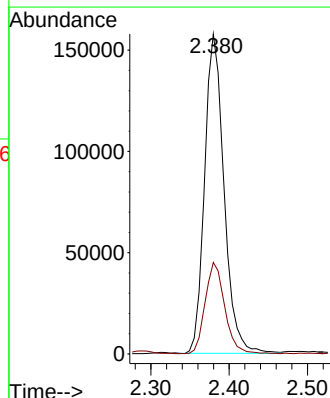
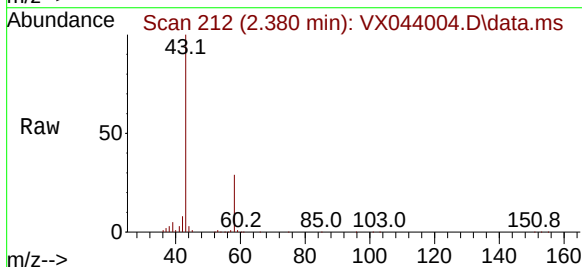
Acq: 26 Nov 2024 09:59

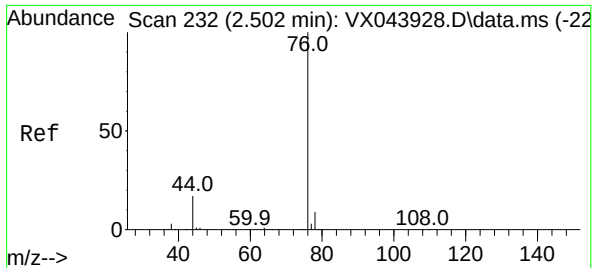
Tgt Ion: 43 Resp: 271476

Ion Ratio Lower Upper

43 100

58 28.6 22.7 34.1





#17

Carbon Disulfide

Concen: 41.002 ug/l

RT: 2.502 min Scan# 24

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 132530

Ion Ratio Lower Upper

76 100

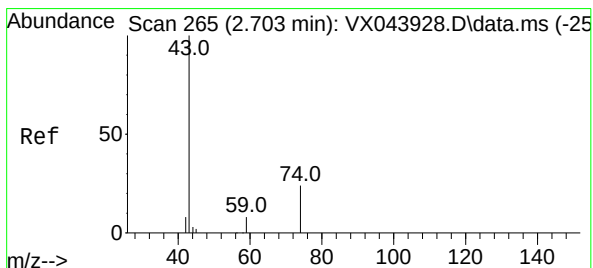
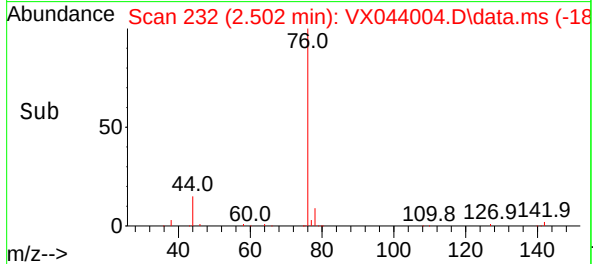
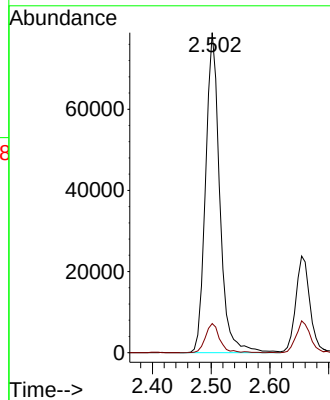
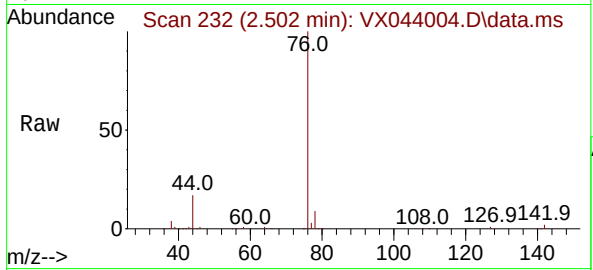
78 9.1 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#18

Methyl Acetate

Concen: 47.252 ug/l

RT: 2.697 min Scan# 264

Delta R.T. -0.006 min

Lab File: VX044004.D

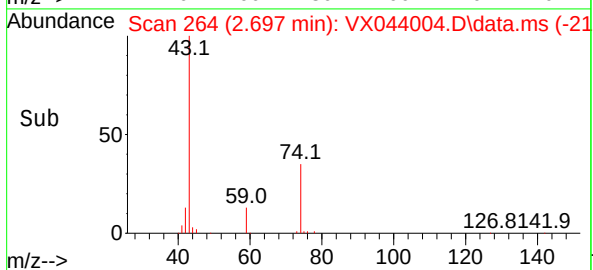
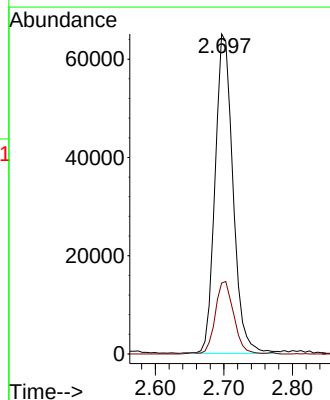
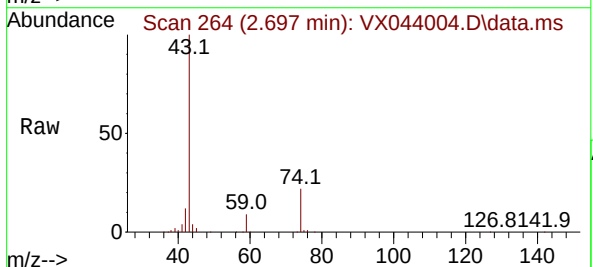
Acq: 26 Nov 2024 09:59

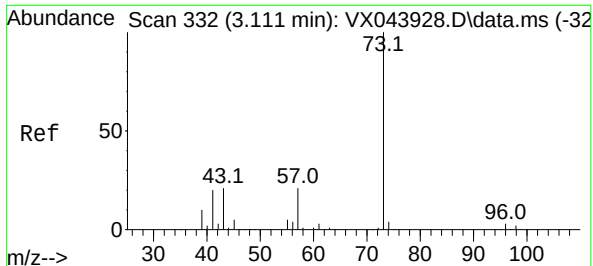
Tgt Ion: 43 Resp: 117885

Ion Ratio Lower Upper

43 100

74 23.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 45.330 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 73 Resp: 257920

Ion Ratio Lower Upper

73 100

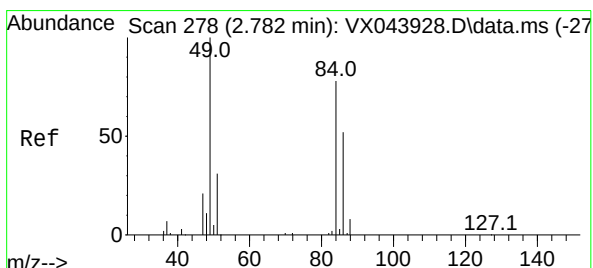
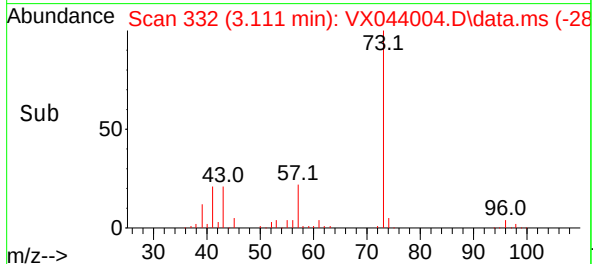
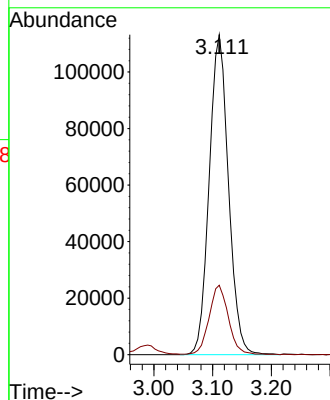
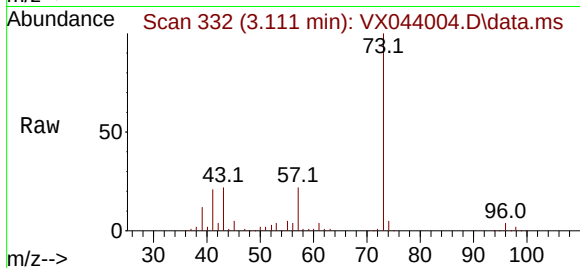
57 21.7 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#20

Methylene Chloride

Concen: 43.739 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Tgt Ion: 84 Resp: 79518

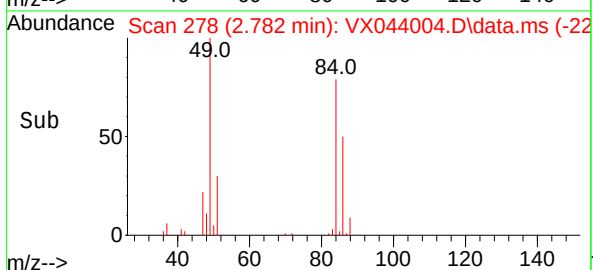
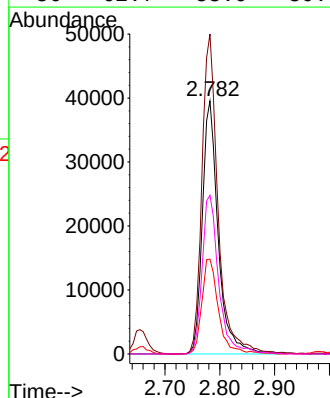
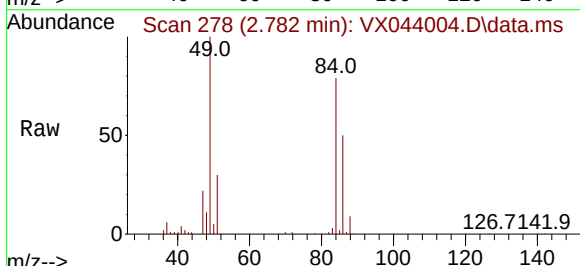
Ion Ratio Lower Upper

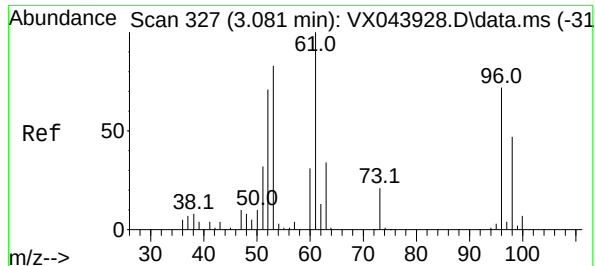
84 100

49 126.5 102.7 154.1

51 37.5 31.7 47.5

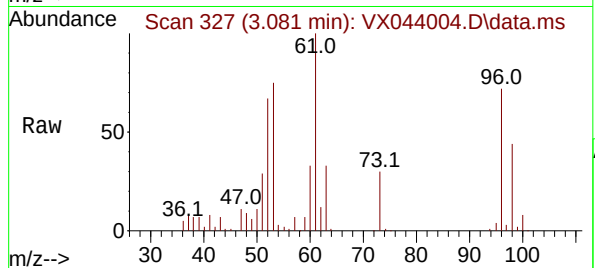
86 62.7 53.9 80.9





#21  
trans-1,2-Dichloroethene  
Concen: 43.972 ug/l  
RT: 3.081 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

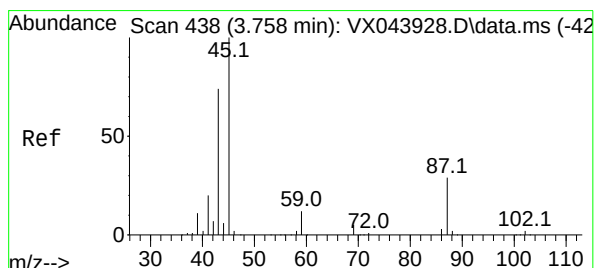
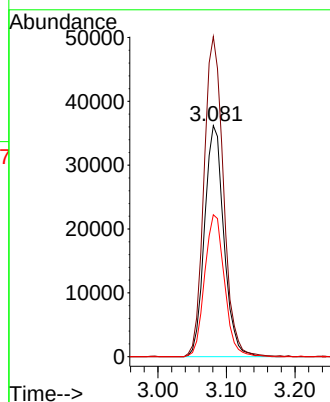
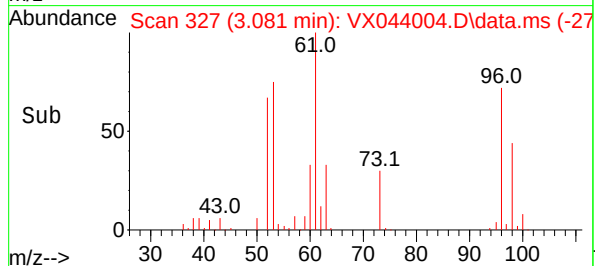
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



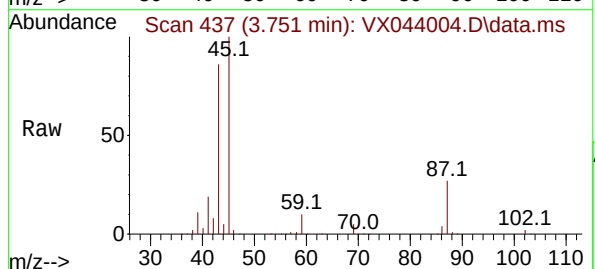
Tgt Ion: 96 Resp: 71142  
Ion Ratio Lower Upper  
96 100  
61 138.5 111.8 167.6  
98 61.4 52.7 79.1

Manual Integrations  
APPROVED

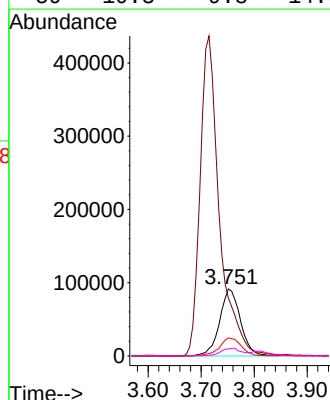
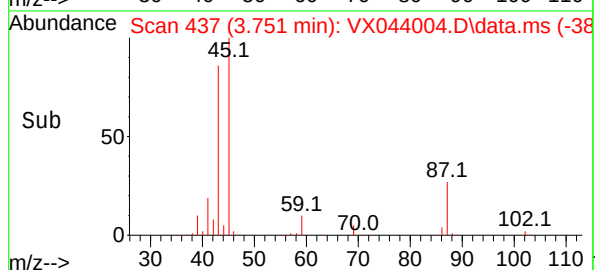
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

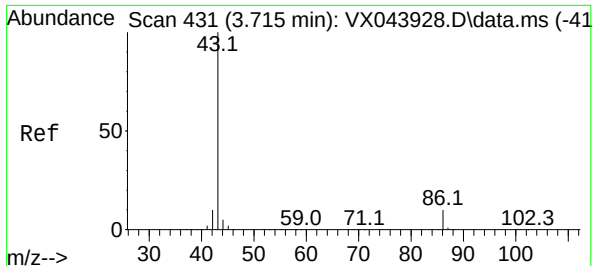


#22  
Diisopropyl ether  
Concen: 45.651 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59



Tgt Ion: 45 Resp: 249952  
Ion Ratio Lower Upper  
45 100  
43 86.0 59.6 89.4  
87 26.8 22.9 34.3  
59 10.3 9.8 14.6





#23

Vinyl Acetate

Concen: 237.383 ug/l

RT: 3.715 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 111184

Ion Ratio Lower Upper

43 100

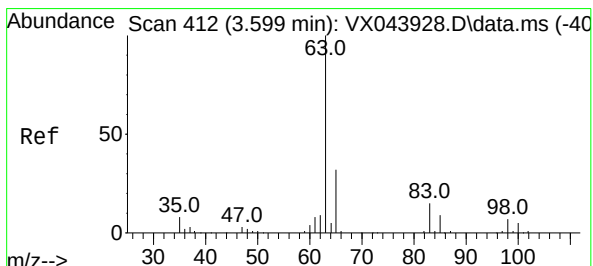
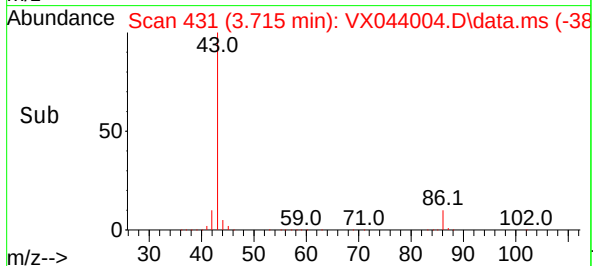
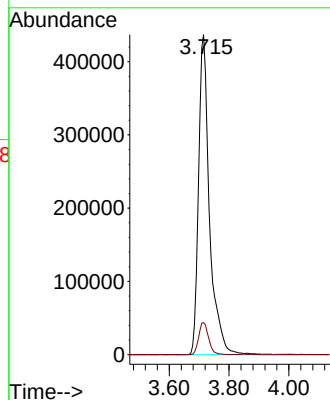
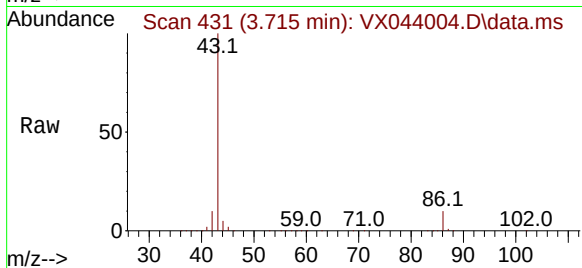
86 10.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#24

1,1-Dichloroethane

Concen: 45.576 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

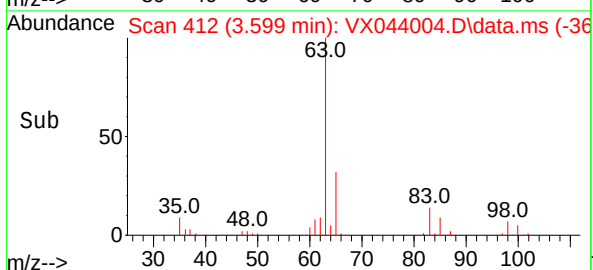
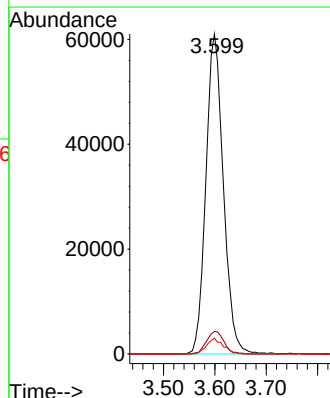
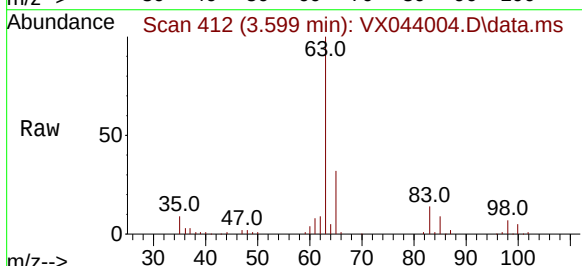
Tgt Ion: 63 Resp: 143957

Ion Ratio Lower Upper

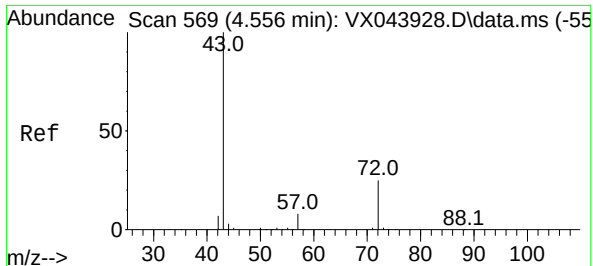
63 100

98 7.0 3.5 10.6

100 4.9 2.4 7.1







#25

2-Butanone

Concen: 245.268 ug/l

RT: 4.550 min Scan# 5

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 33904

Ion Ratio Lower Upper

43 100

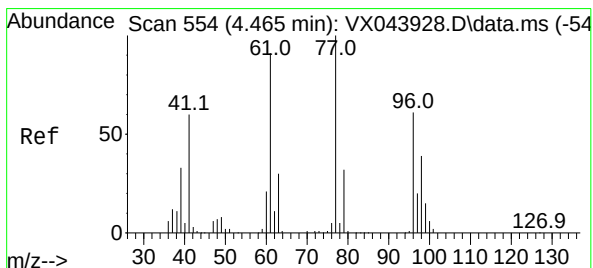
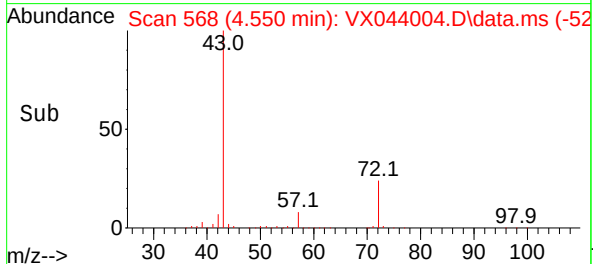
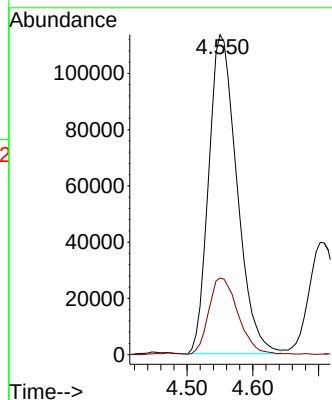
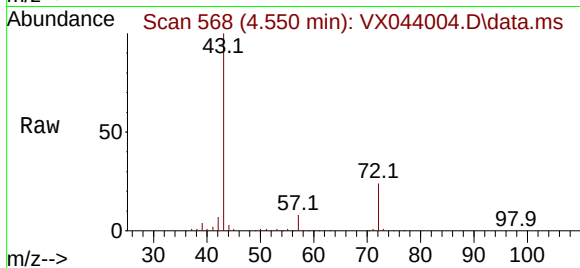
72 23.7 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#26

2,2-Dichloropropane

Concen: 46.124 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX044004.D

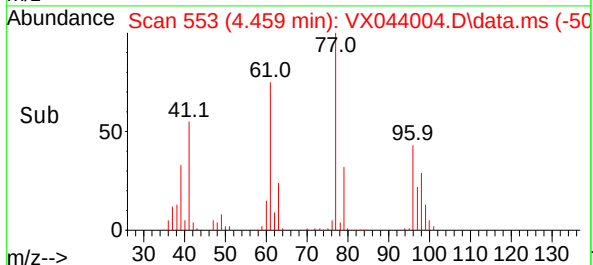
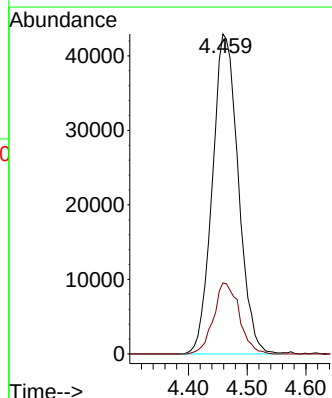
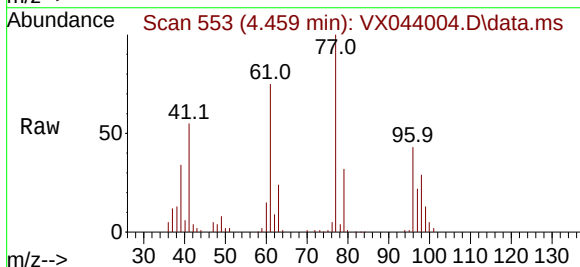
Acq: 26 Nov 2024 09:59

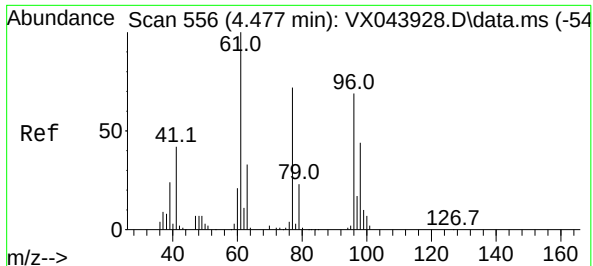
Tgt Ion: 77 Resp: 131573

Ion Ratio Lower Upper

77 100

97 22.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 45.367 ug/l

RT: 4.471 min Scan# 556

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 96 Resp: 90728

Ion Ratio Lower Upper

96 100

61 149.0 0.0 297.4

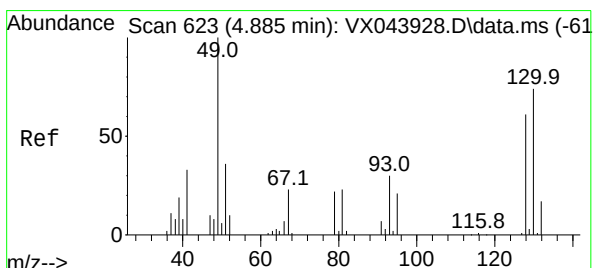
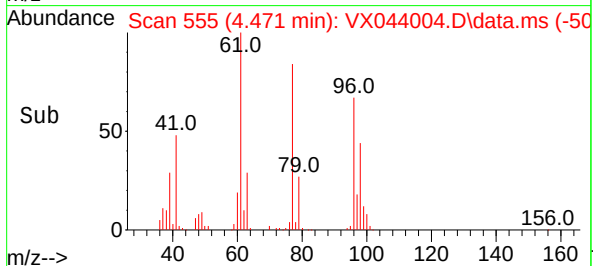
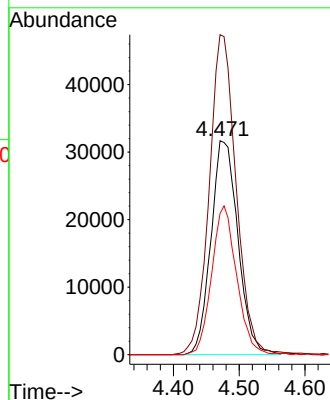
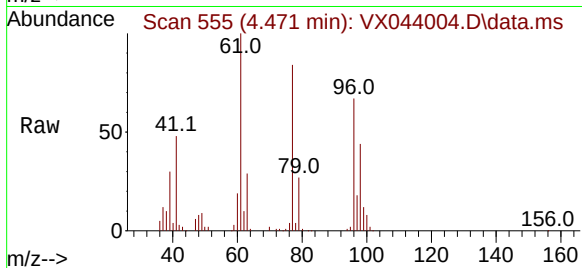
98 64.0 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#28

Bromochloromethane

Concen: 47.869 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

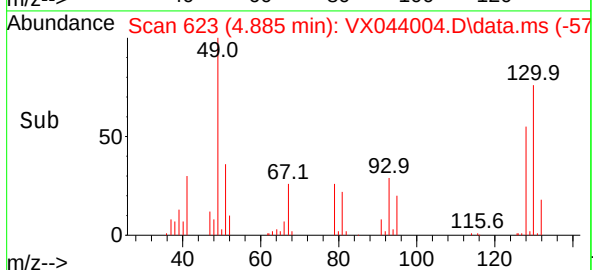
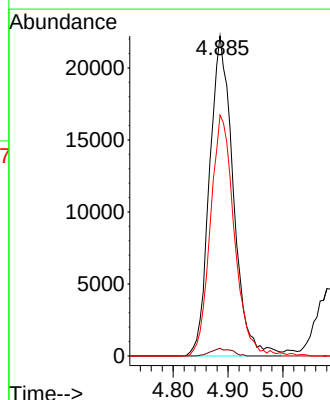
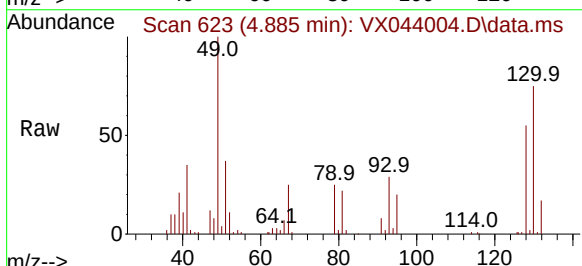
Tgt Ion: 49 Resp: 66554

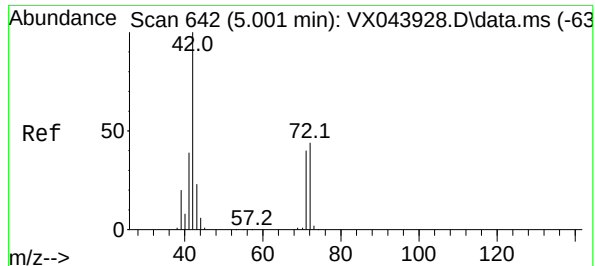
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 76.1 59.0 88.6





#29

Tetrahydrofuran

Concen: 234.185 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 42 Resp: 19846

Ion Ratio Lower Upper

42 100

72 44.7 36.4 54.6

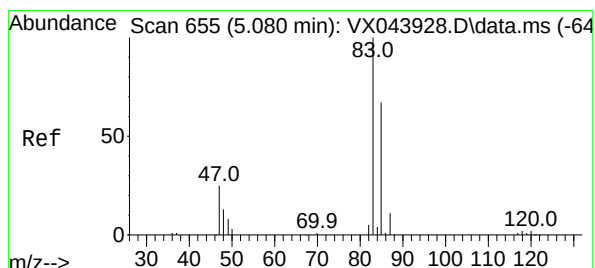
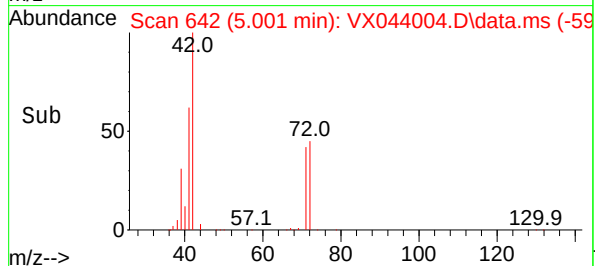
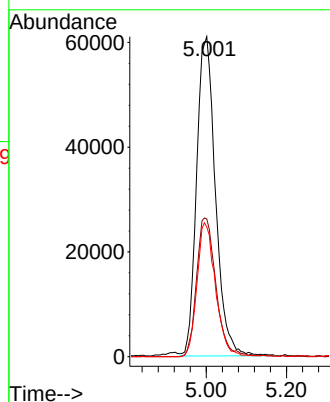
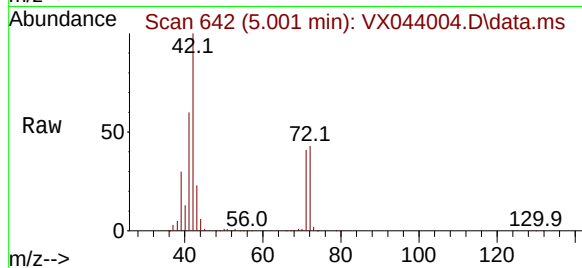
71 41.3 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#30

Chloroform

Concen: 45.643 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX044004.D

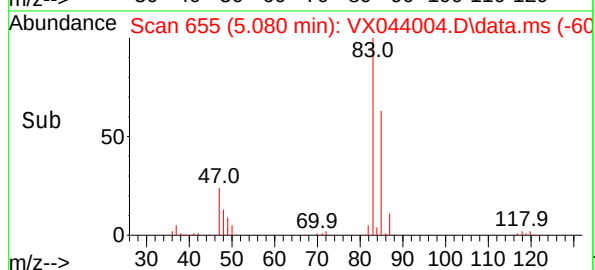
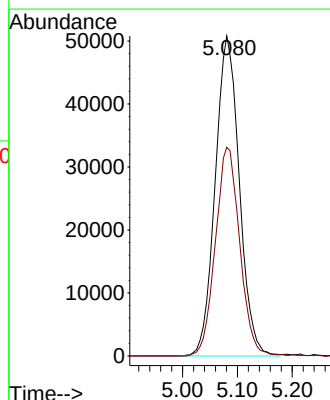
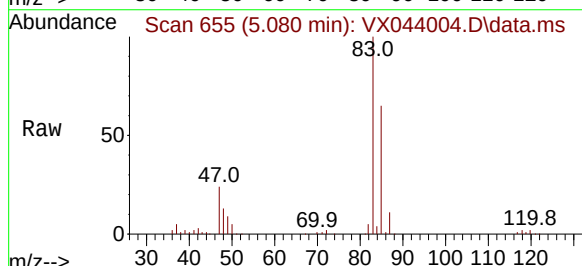
Acq: 26 Nov 2024 09:59

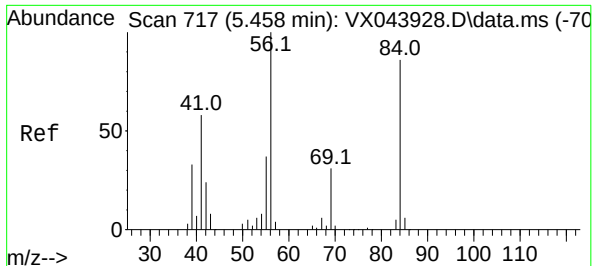
Tgt Ion: 83 Resp: 155058

Ion Ratio Lower Upper

83 100

85 65.2 53.5 80.3





#31

Cyclohexane

Concen: 43.902 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 11413

Ion Ratio Lower Upper

56 100

69 32.5 24.7 37.1

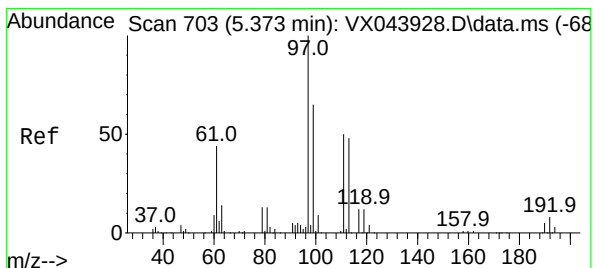
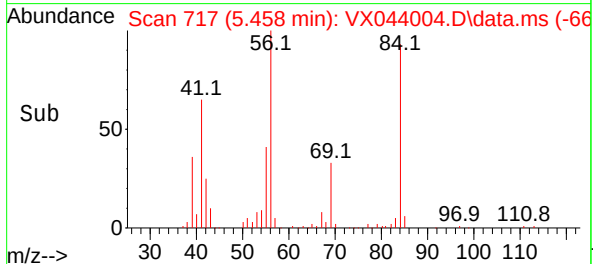
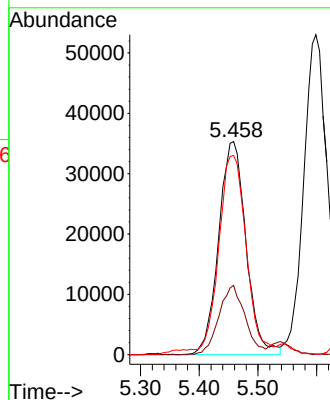
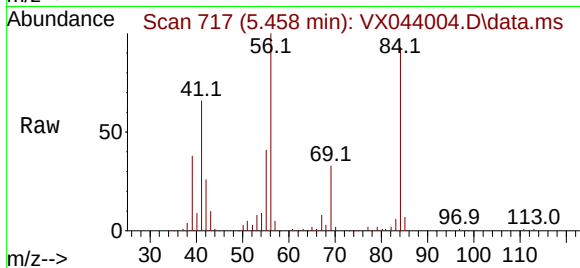
84 91.0 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#32

1,1,1-Trichloroethane

Concen: 47.118 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

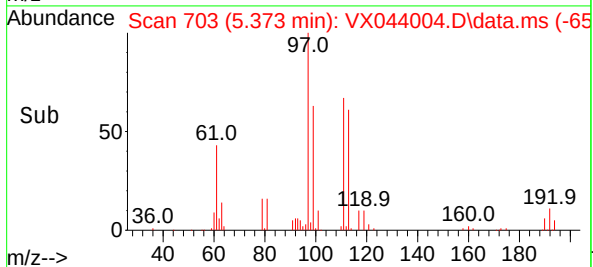
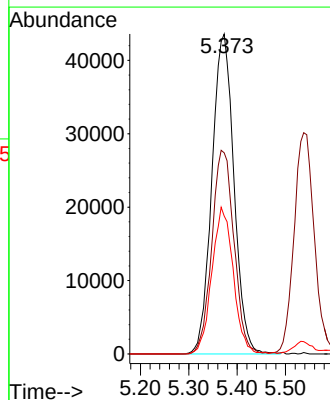
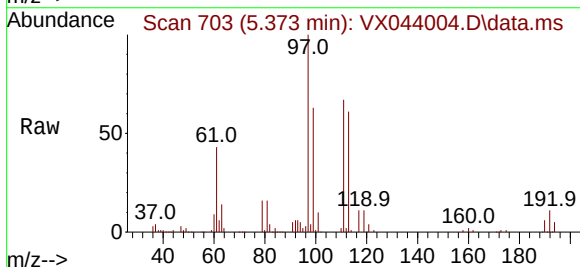
Tgt Ion: 97 Resp: 138038

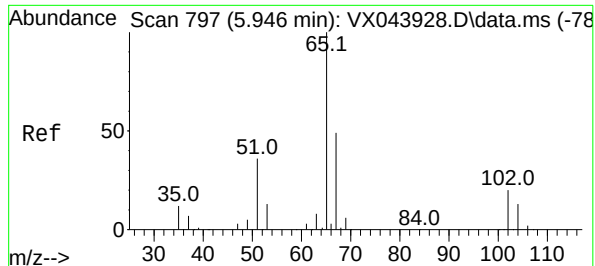
Ion Ratio Lower Upper

97 100

99 64.1 50.8 76.2

61 44.5 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 47.228 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 65 Resp: 11016

Ion Ratio Lower Upper

65 100

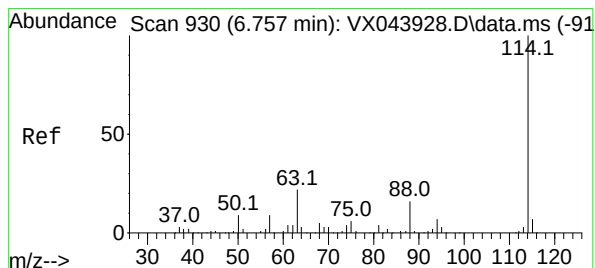
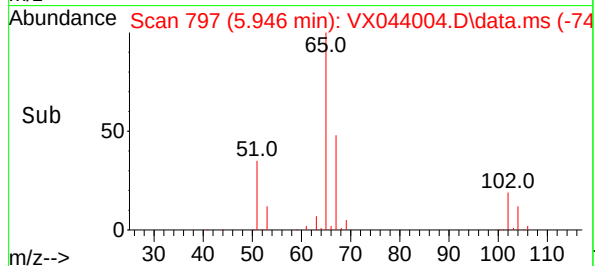
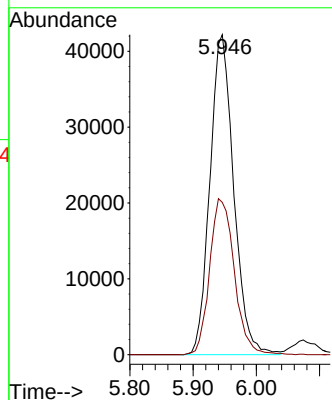
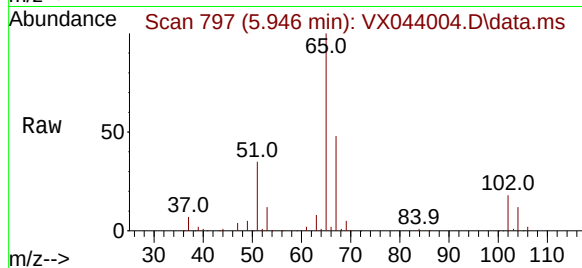
67 50.6 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

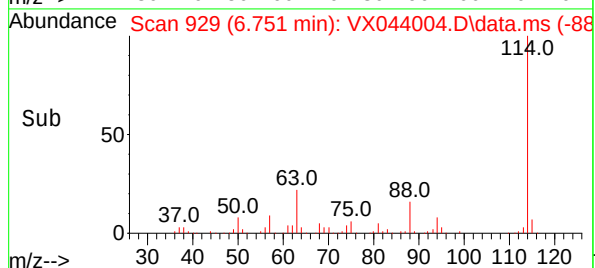
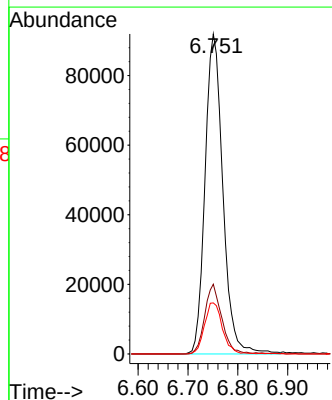
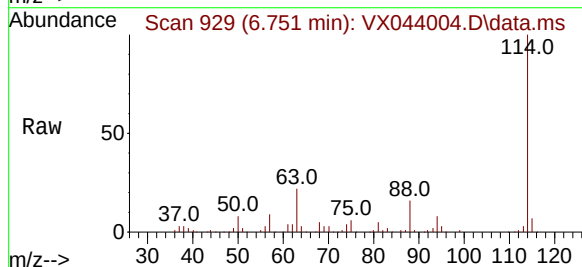
Tgt Ion:114 Resp: 228315

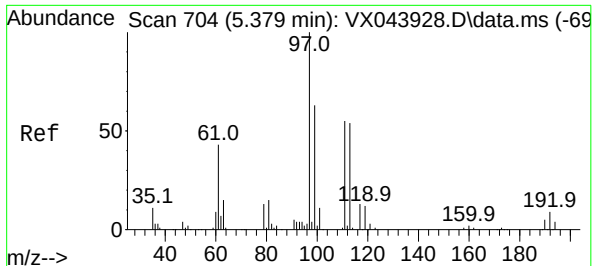
Ion Ratio Lower Upper

114 100

63 21.8 0.0 44.0

88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.747 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044004.D

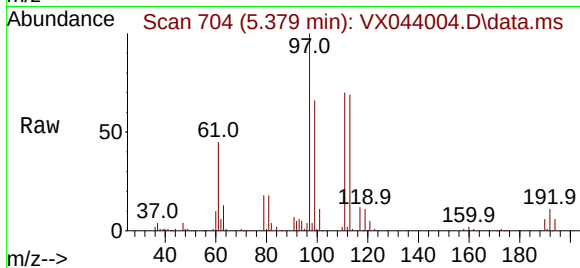
Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

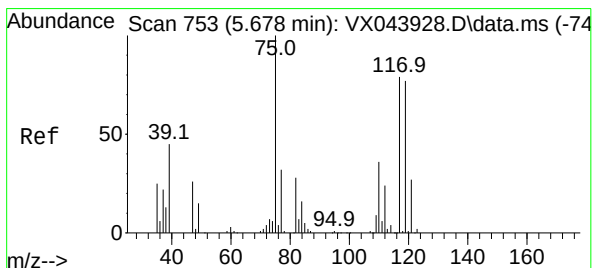
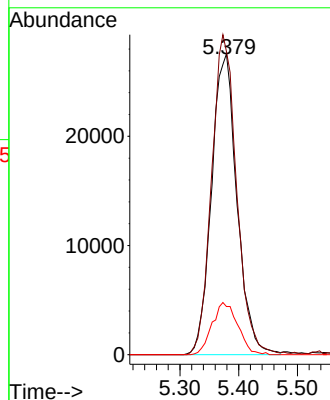
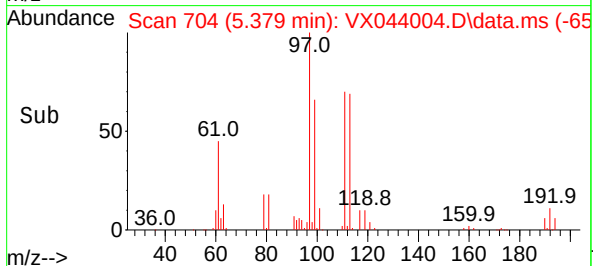


|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 82790 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 104.5 | 81.0  | 121.4 |
| 192      | 17.6  | 13.0  | 19.6  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#36

1,1-Dichloropropene

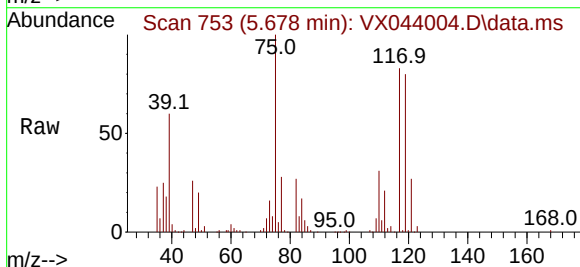
Concen: 48.822 ug/l

RT: 5.678 min Scan# 753

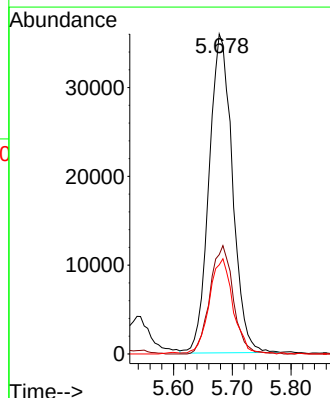
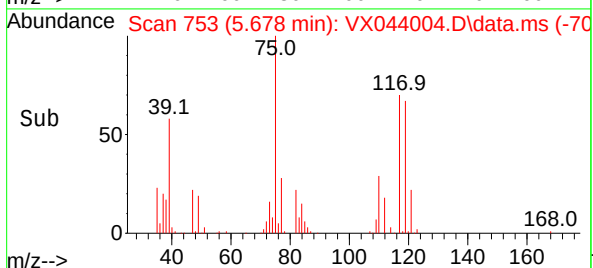
Delta R.T. -0.000 min

Lab File: VX044004.D

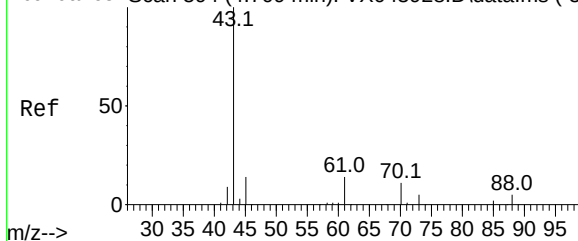
Acq: 26 Nov 2024 09:59



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 99253 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 34.0  | 17.4  | 52.2  |
| 77       | 30.5  | 25.8  | 38.8  |



Abundance Scan 594 (4.709 min): VX043928.D\data.ms (-58



#37

Ethyl Acetate

Concen: 48.911 ug/l

RT: 4.702 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 123429

Ion Ratio Lower Upper

43 100

61 13.1 10.7 16.1

70 9.3 8.0 12.0

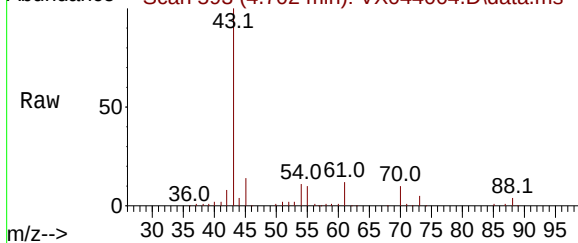
Manual Integrations

APPROVED

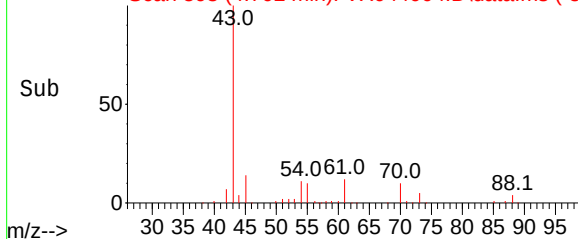
Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024

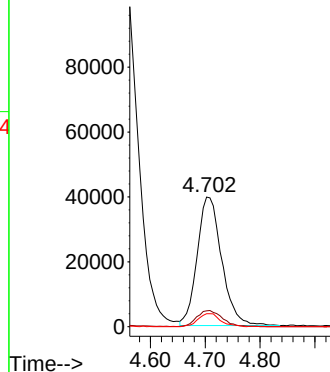
Abundance Scan 593 (4.702 min): VX044004.D\data.ms



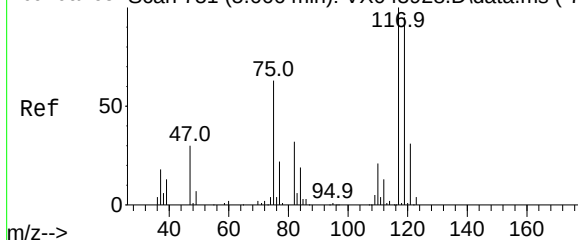
Abundance Scan 593 (4.702 min): VX044004.D\data.ms (-54



Abundance



Abundance Scan 751 (5.666 min): VX043928.D\data.ms (-73



#38

Carbon Tetrachloride

Concen: 49.603 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Tgt Ion:117 Resp: 113308

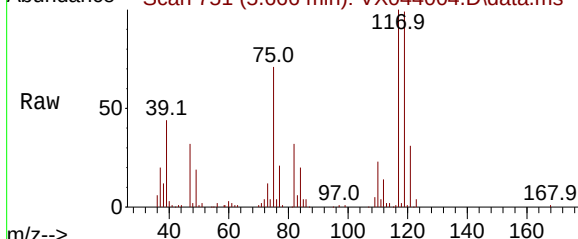
Ion Ratio Lower Upper

117 100

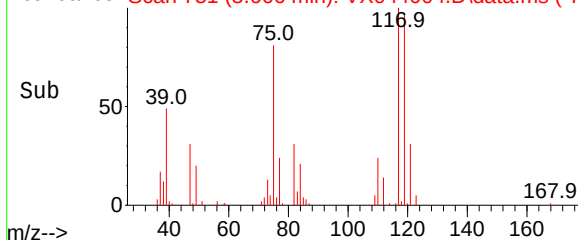
119 98.7 75.2 112.8

121 30.7 24.5 36.7

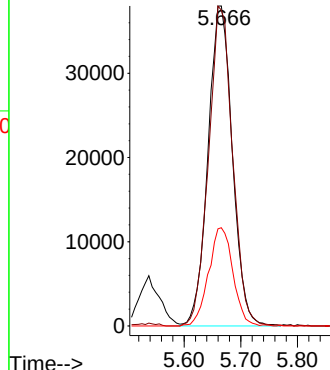
Abundance Scan 751 (5.666 min): VX044004.D\data.ms

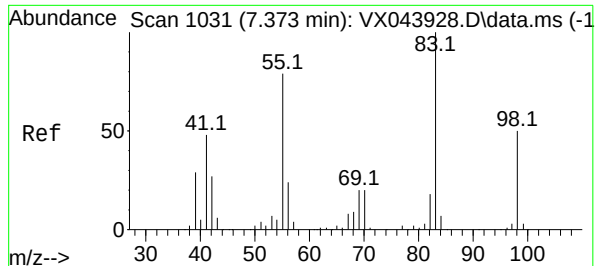


Abundance Scan 751 (5.666 min): VX044004.D\data.ms (-70



Abundance





#39

Methylcyclohexane

Concen: 47.322 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 12498

Ion Ratio Lower Upper

83 100

55 78.1 63.1 94.7

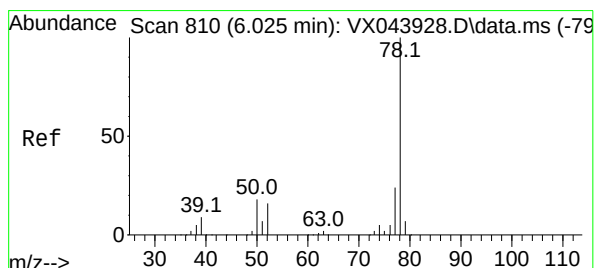
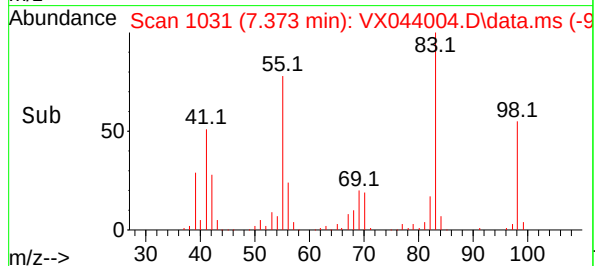
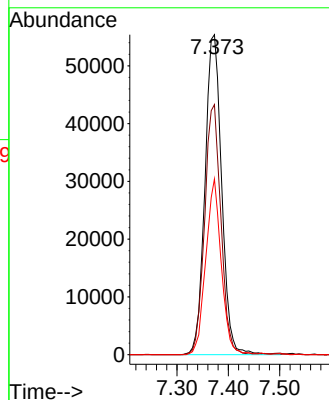
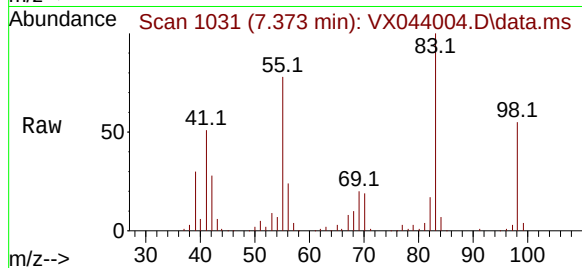
98 54.9 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#40

Benzene

Concen: 48.176 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX044004.D

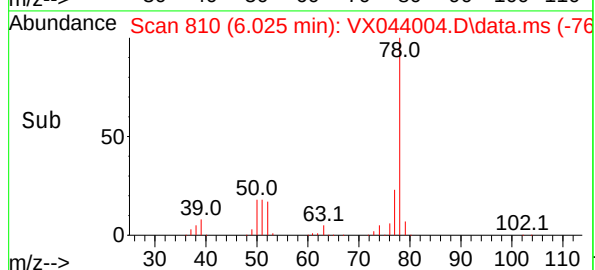
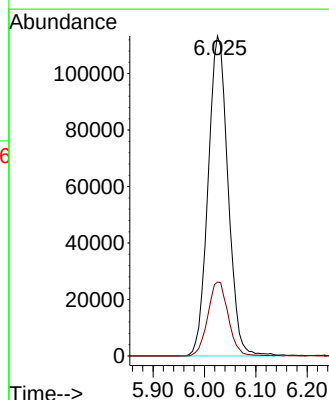
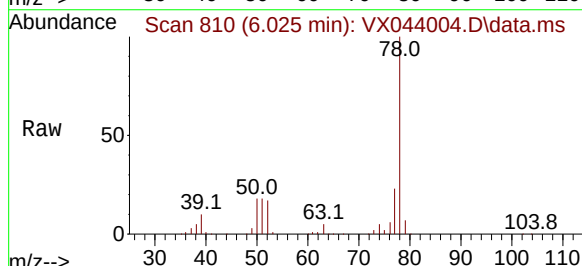
Acq: 26 Nov 2024 09:59

Tgt Ion: 78 Resp: 305074

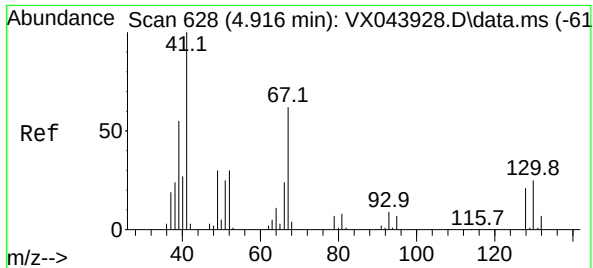
Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8

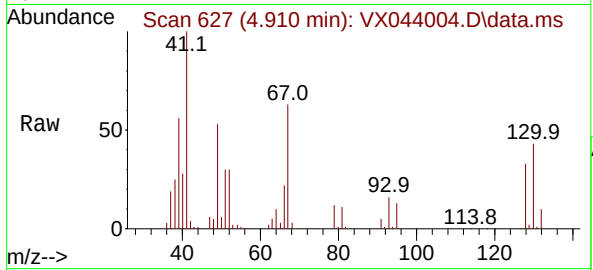






#41  
Methacrylonitrile  
Concen: 49.419 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

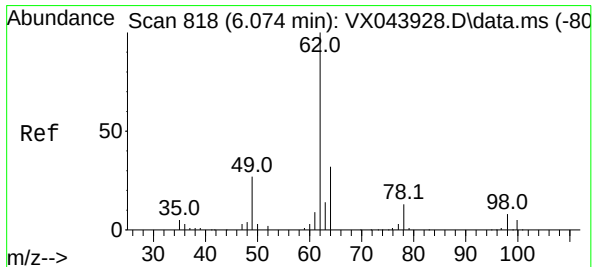
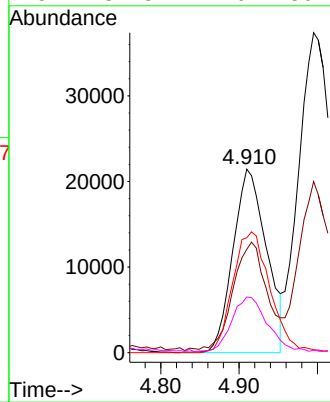
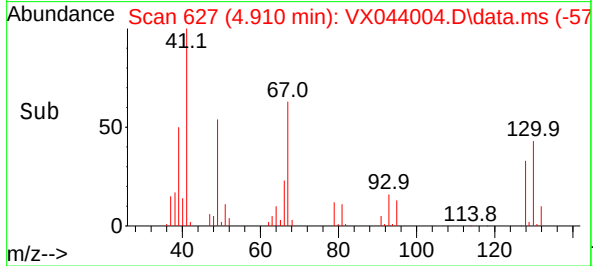
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion: 41 Resp: 63829  
Ion Ratio Lower Upper  
41 100  
39 59.6 41.7 62.5  
67 73.6 55.8 83.8  
52 31.8 24.0 36.0

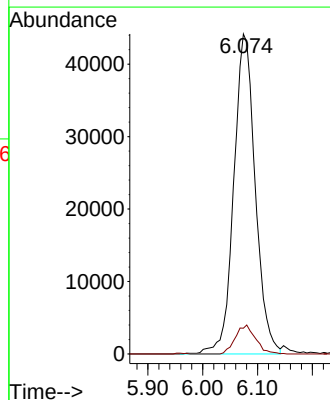
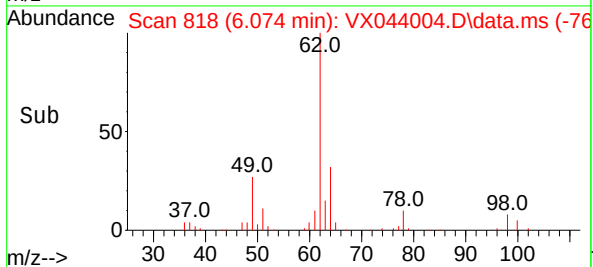
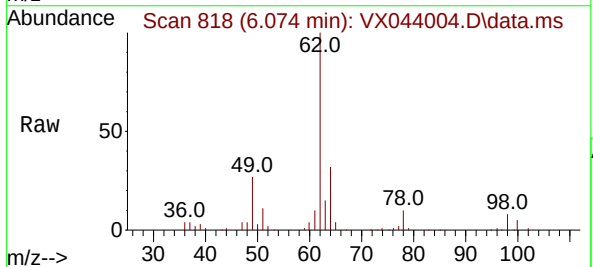
Manual Integrations  
**APPROVED**

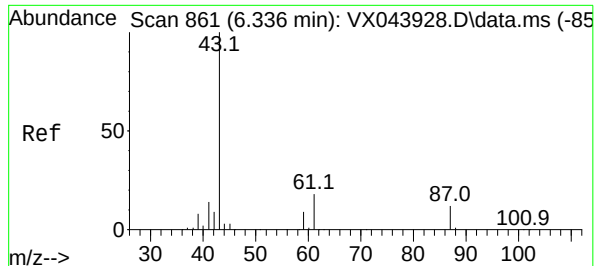
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#42  
1,2-Dichloroethane  
Concen: 47.284 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 62 Resp: 120257  
Ion Ratio Lower Upper  
62 100  
98 8.5 0.0 16.4





#43

Isopropyl Acetate

Concen: 48.957 ug/l

RT: 6.330 min Scan# 861

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 19661

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

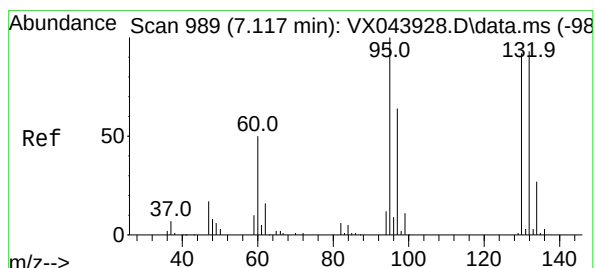
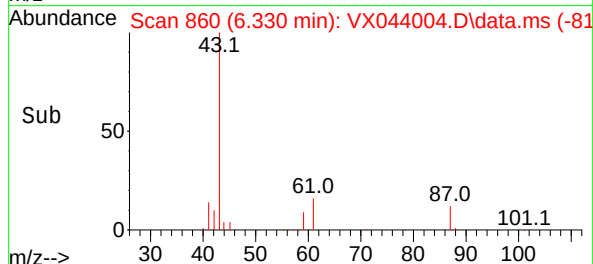
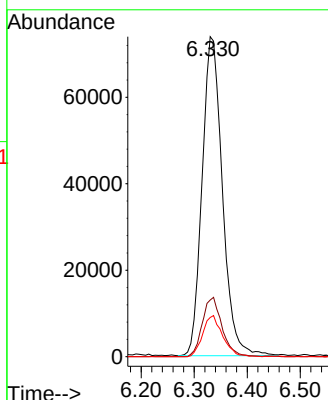
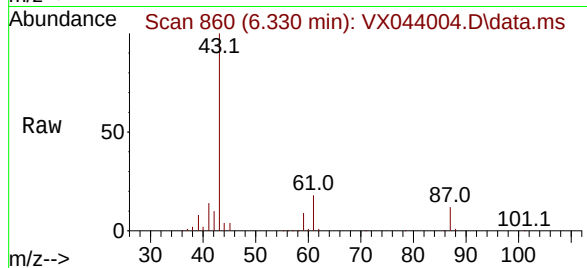
87 12.6 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#44

Trichloroethene

Concen: 42.307 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX044004.D

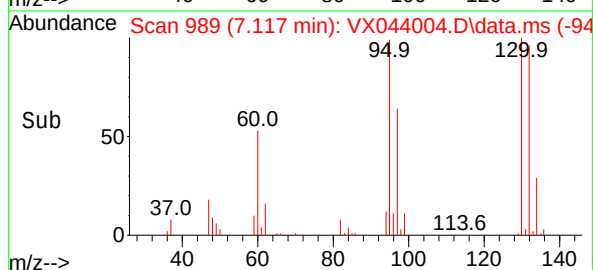
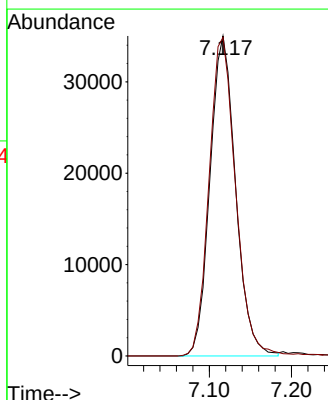
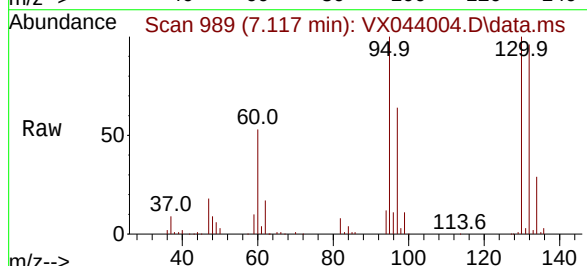
Acq: 26 Nov 2024 09:59

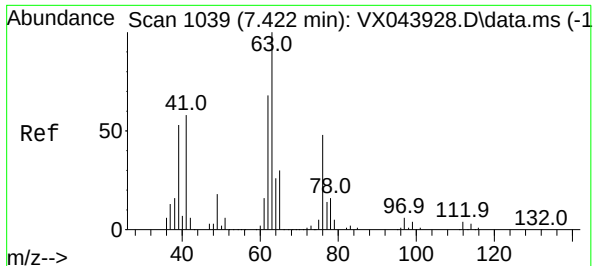
Tgt Ion:130 Resp: 75842

Ion Ratio Lower Upper

130 100

95 99.5 0.0 217.8





#45

1,2-Dichloropropane

Concen: 48.861 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 63 Resp: 7578

Ion Ratio Lower Upper

63 100

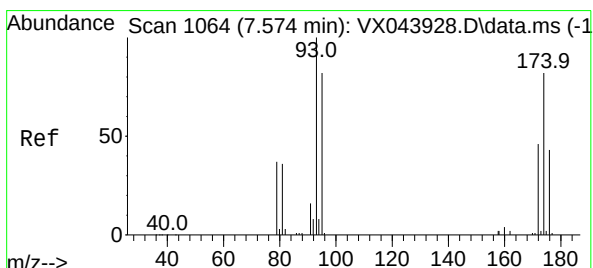
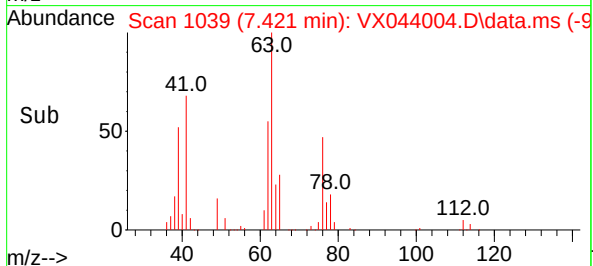
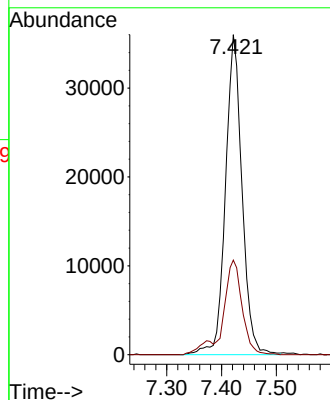
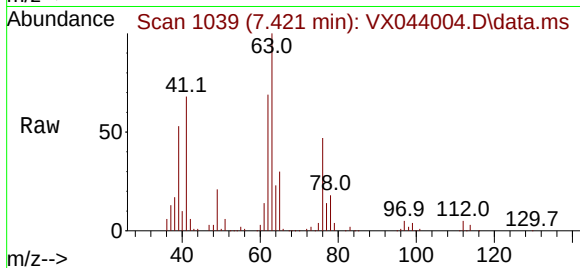
65 29.6 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#46

Dibromomethane

Concen: 49.837 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

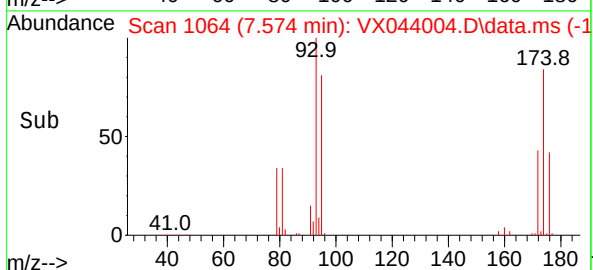
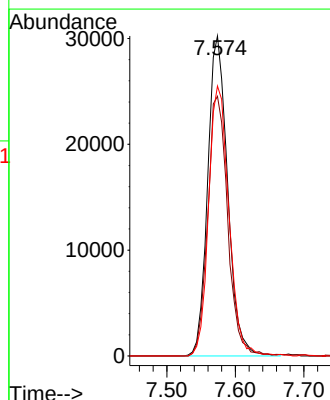
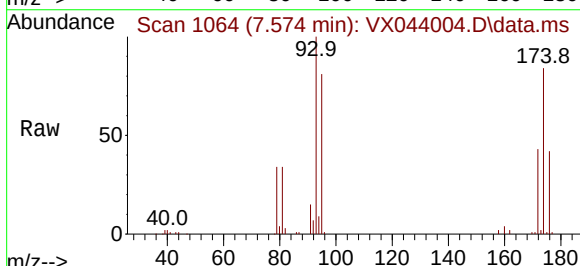
Tgt Ion: 93 Resp: 61145

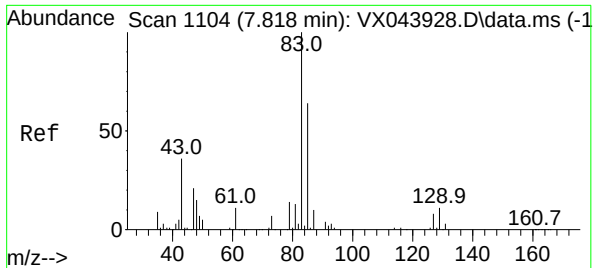
Ion Ratio Lower Upper

93 100

95 81.6 66.2 99.4

174 85.8 69.6 104.4





#47

Bromodichloromethane

Concen: 51.670 ug/l

RT: 7.812 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 113694

Ion Ratio Lower Upper

83 100

85 63.9 51.4 77.0

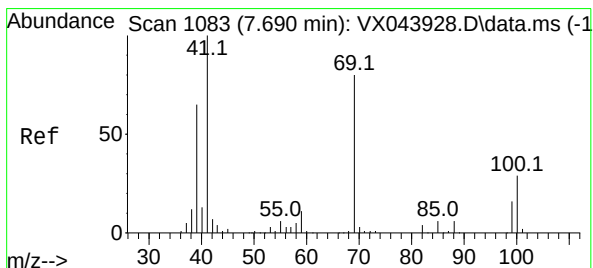
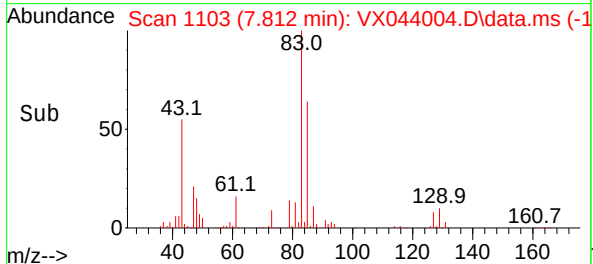
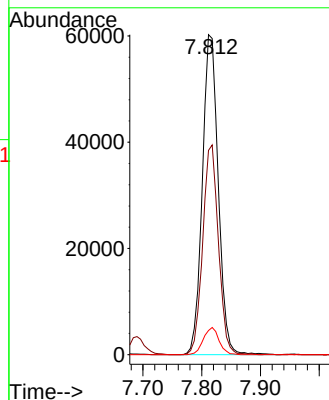
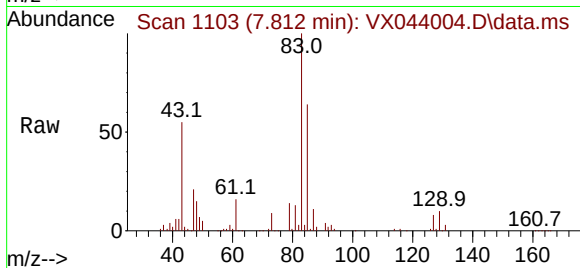
127 7.6 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#48

Methyl methacrylate

Concen: 48.339 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

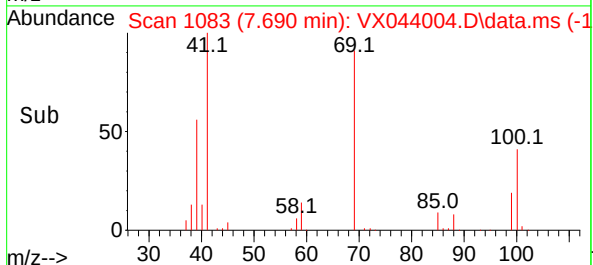
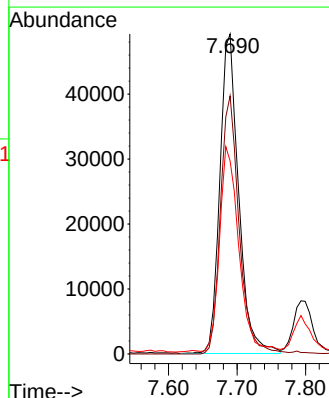
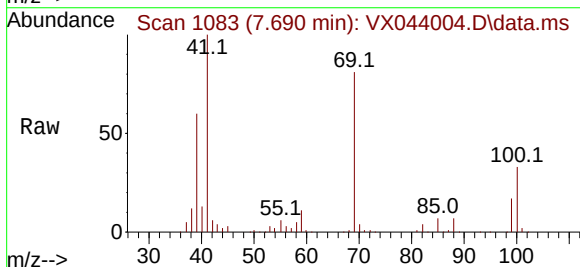
Tgt Ion: 41 Resp: 93154

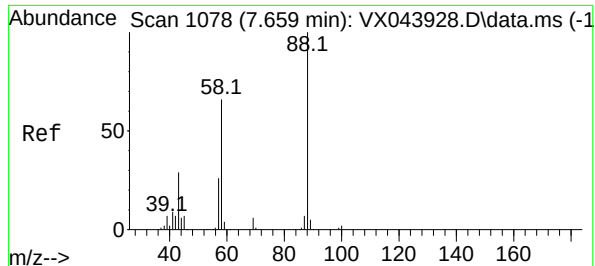
Ion Ratio Lower Upper

41 100

69 80.3 64.6 97.0

39 65.2 53.3 79.9





#49

1,4-Dioxane

Concen: 927.311 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 88 Resp: 3183

Ion Ratio Lower Upper

88 100

43 35.9 26.8 40.2

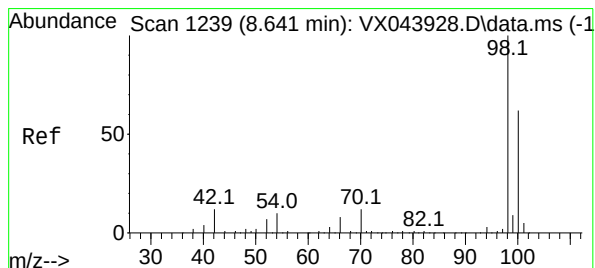
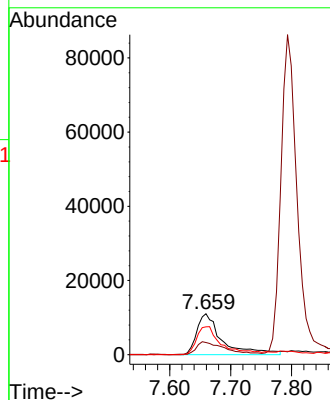
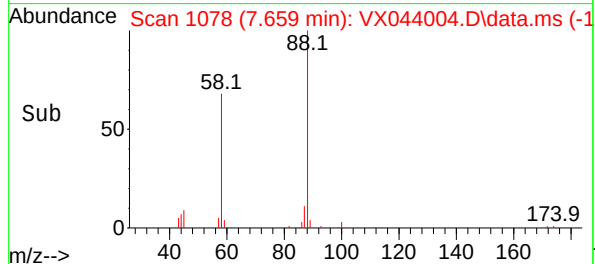
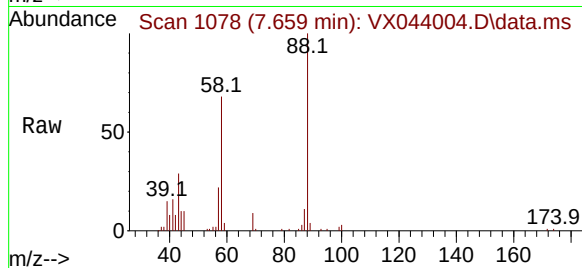
58 67.0 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#50

Toluene-d8

Concen: 49.578 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VX044004.D

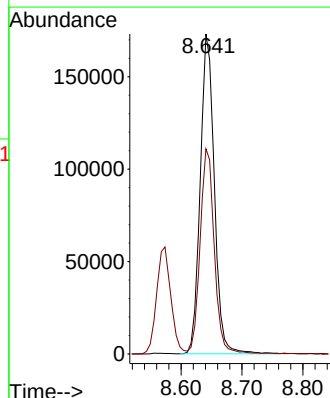
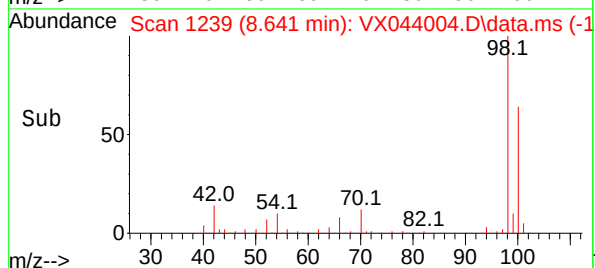
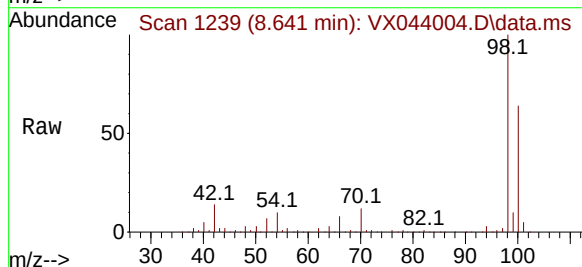
Acq: 26 Nov 2024 09:59

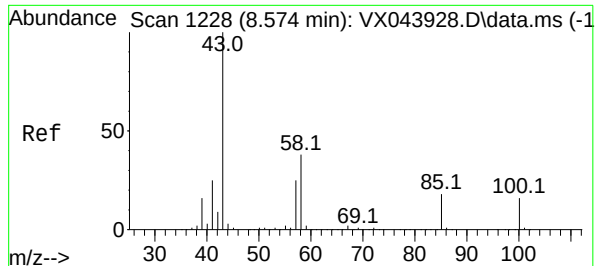
Tgt Ion: 98 Resp: 278812

Ion Ratio Lower Upper

98 100

100 64.3 52.6 79.0





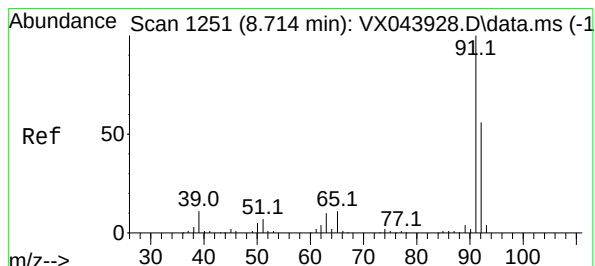
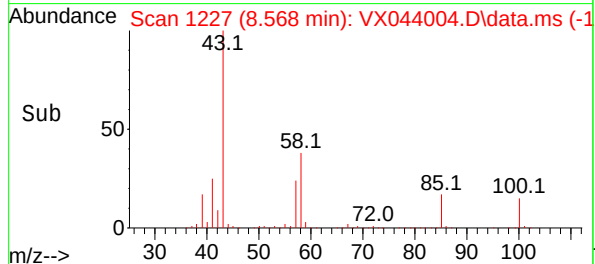
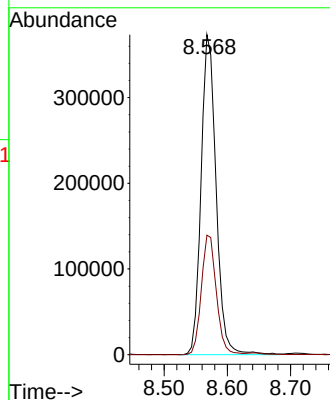
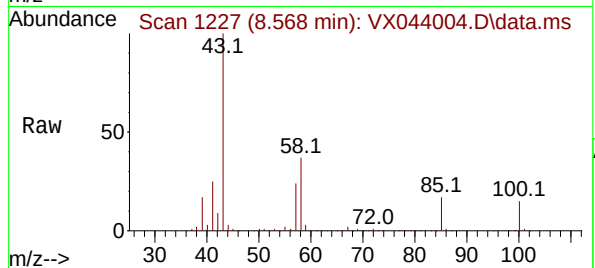
#51  
4-Methyl-2-Pentanone  
Concen: 251.920 ug/l  
RT: 8.568 min Scan# 1227  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 43 Resp: 61741  
Ion Ratio Lower Upper  
43 100  
58 37.3 30.0 45.0

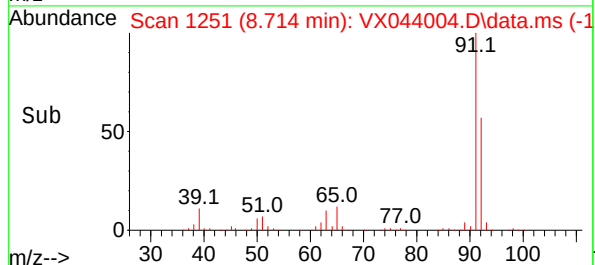
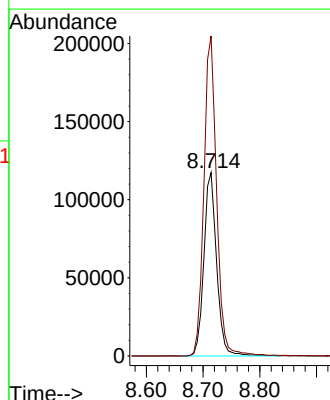
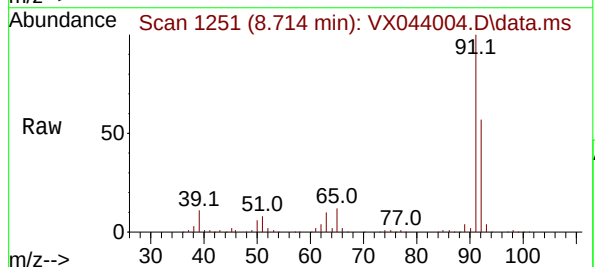
Manual Integrations  
APPROVED

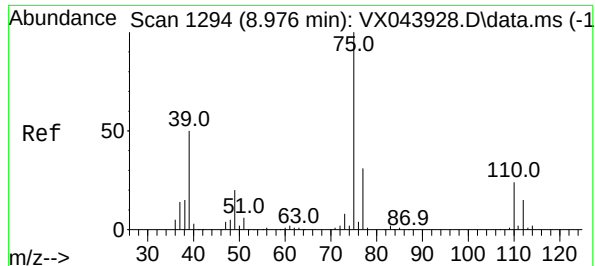
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#52  
Toluene  
Concen: 48.472 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 92 Resp: 183717  
Ion Ratio Lower Upper  
92 100  
91 174.7 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 50.408 ug/l

RT: 8.970 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 75 Resp: 113108

Ion Ratio Lower Upper

75 100

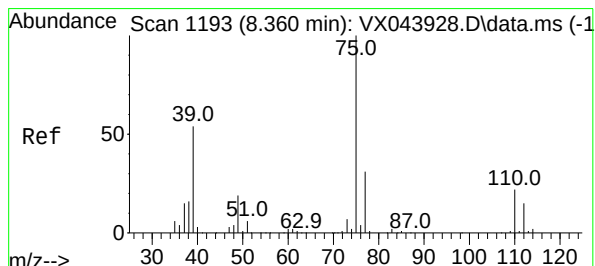
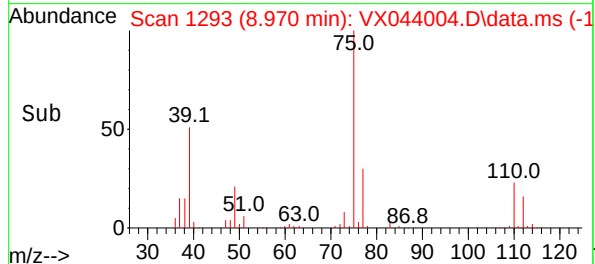
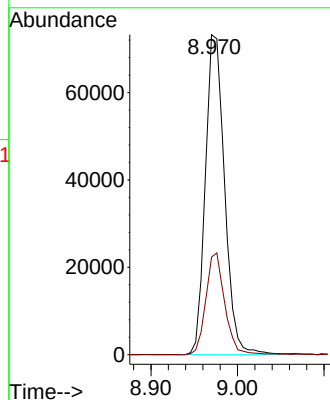
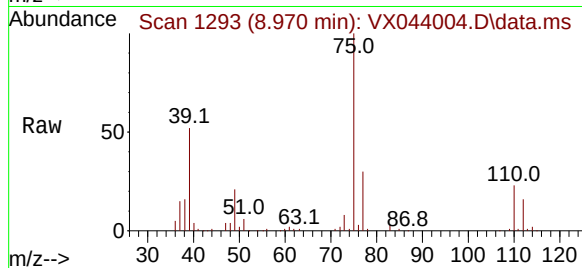
77 30.5 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#54

cis-1,3-Dichloropropene

Concen: 49.594 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

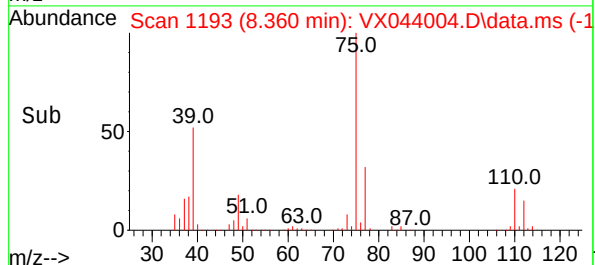
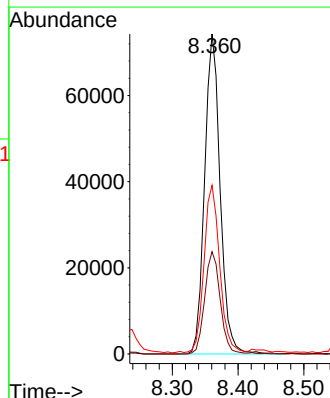
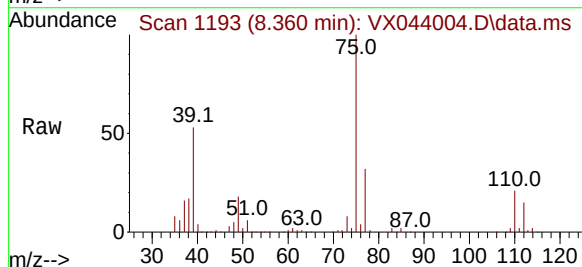
Tgt Ion: 75 Resp: 121994

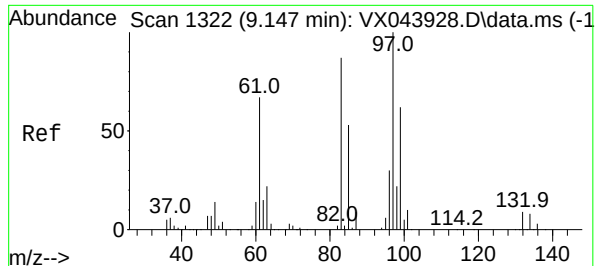
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 51.9 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 47.934 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 97 Resp: 7499

Ion Ratio Lower Upper

97 100

83 88.3 69.4 104.0

85 56.4 42.3 63.5

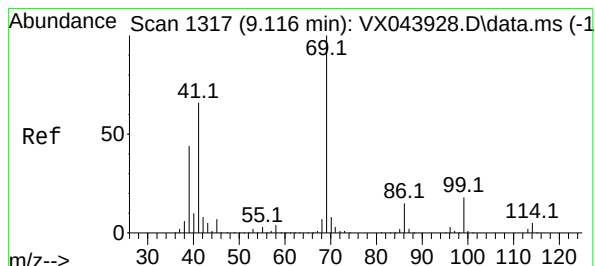
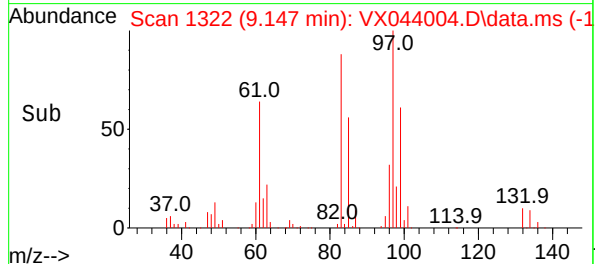
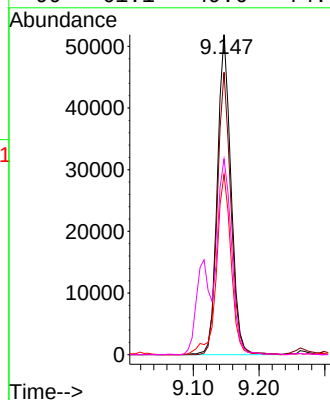
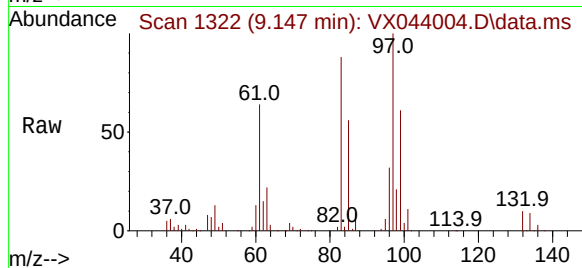
99 61.1 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#56

Ethyl methacrylate

Concen: 50.030 ug/l

RT: 9.110 min Scan# 1316

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

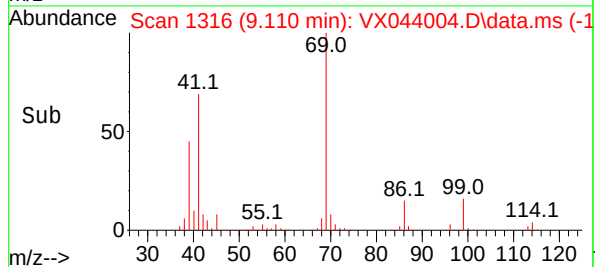
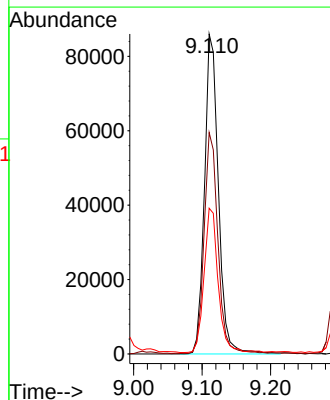
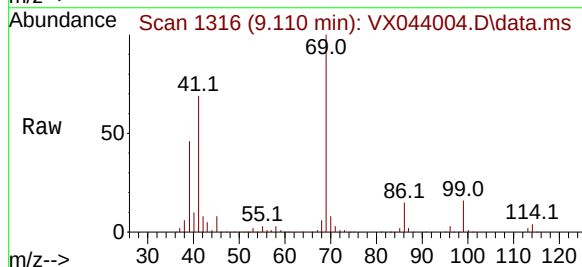
Tgt Ion: 69 Resp: 121922

Ion Ratio Lower Upper

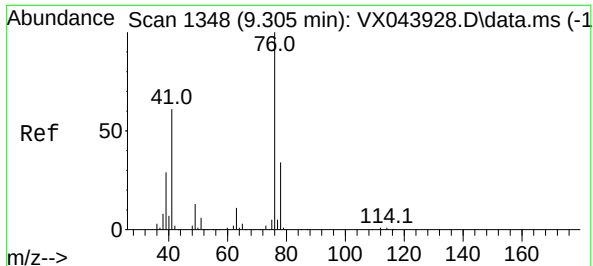
69 100

41 68.4 55.8 83.8

39 45.3 36.7 55.1







#57

1,3-Dichloropropane

Concen: 49.593 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 76 Resp: 130708

Ion Ratio Lower Upper

76 100

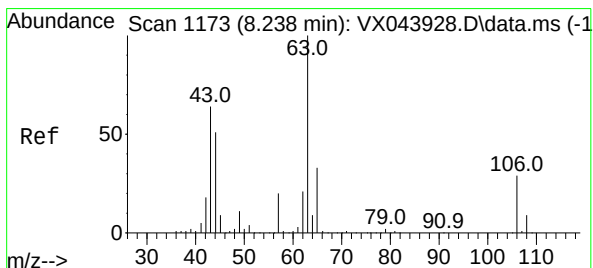
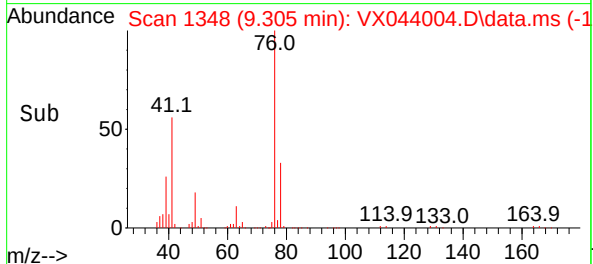
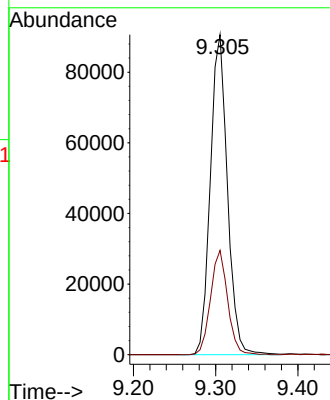
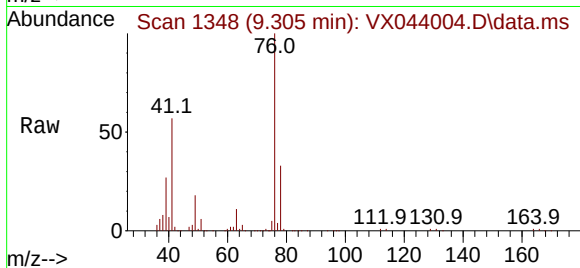
78 32.6 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#58

2-Chloroethyl Vinyl ether

Concen: 239.296 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044004.D

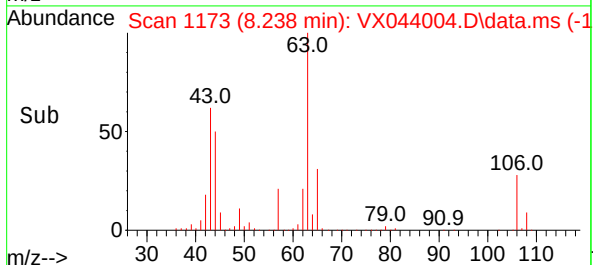
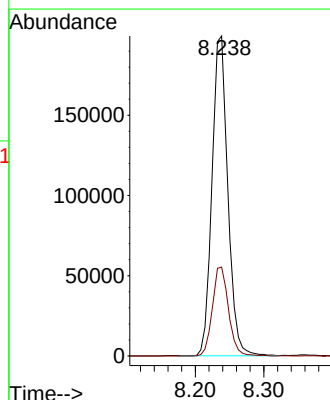
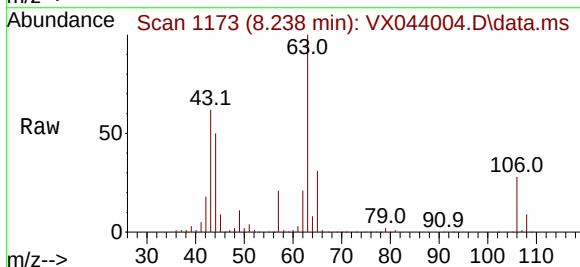
Acq: 26 Nov 2024 09:59

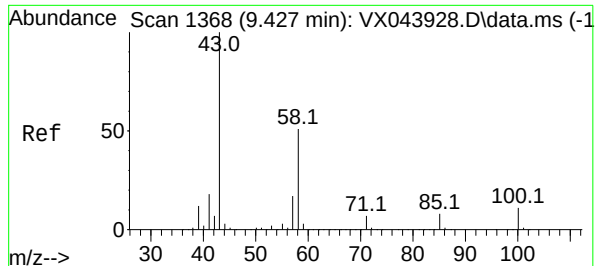
Tgt Ion: 63 Resp: 319778

Ion Ratio Lower Upper

63 100

106 28.3 23.0 34.6





#59

2-Hexanone

Concen: 258.897 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 476910

Ion Ratio Lower Upper

43 100

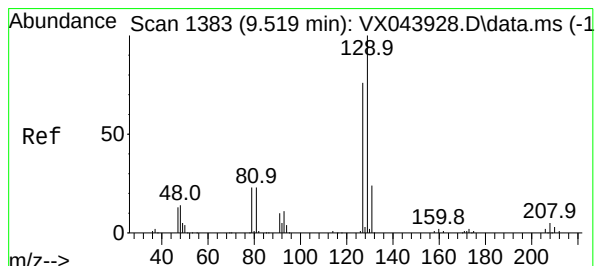
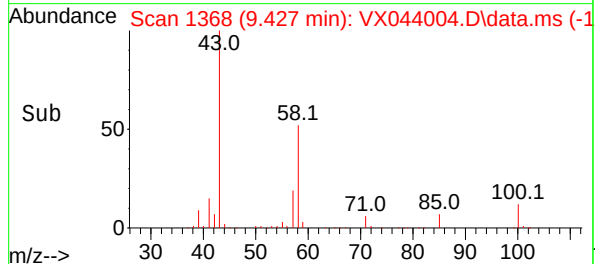
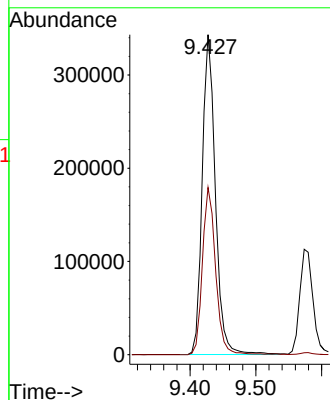
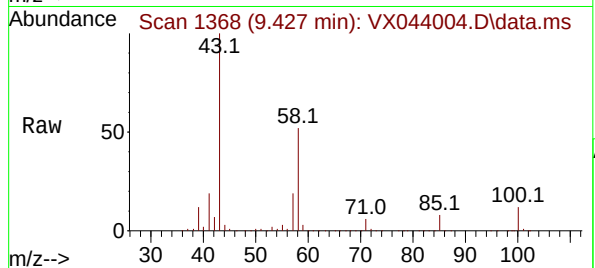
58 52.6 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#60

Dibromochloromethane

Concen: 52.290 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044004.D

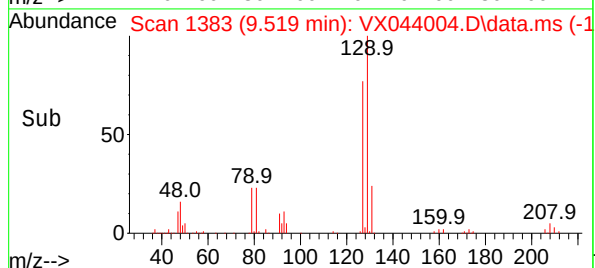
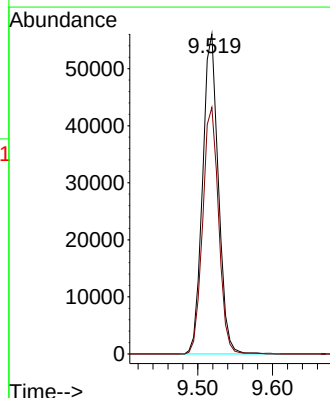
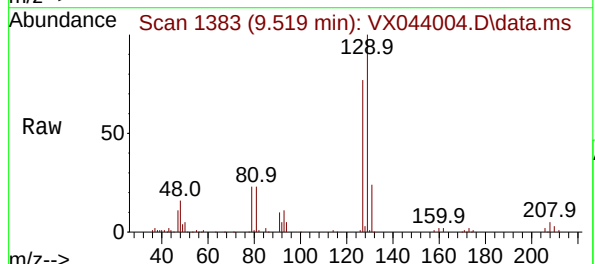
Acq: 26 Nov 2024 09:59

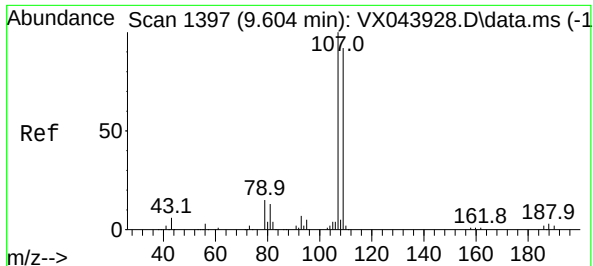
Tgt Ion:129 Resp: 82084

Ion Ratio Lower Upper

129 100

127 77.9 38.2 114.6





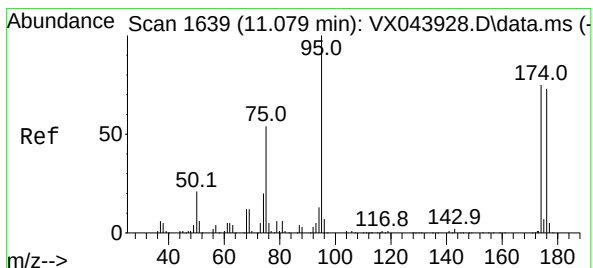
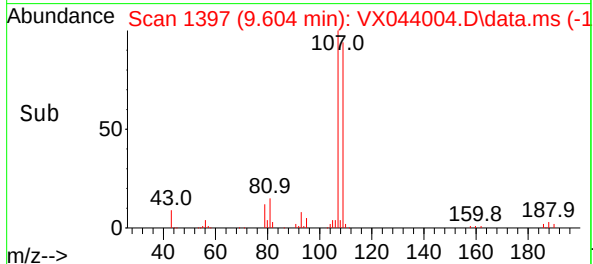
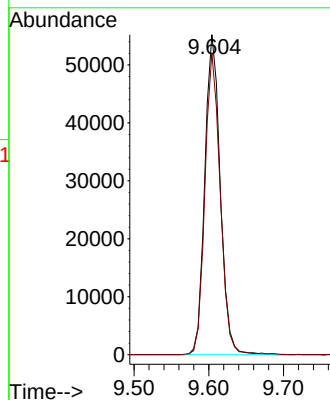
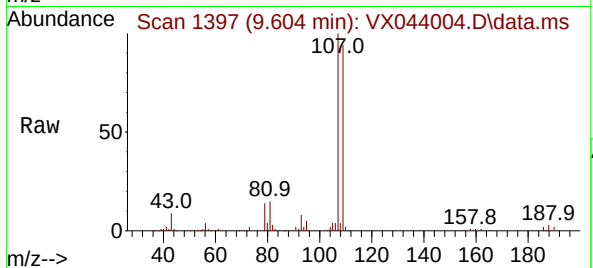
#61  
1,2-Dibromomethane  
Concen: 49.979 ug/l  
RT: 9.604 min Scan# 1397  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:107 Resp: 79068  
Ion Ratio Lower Upper  
107 100  
109 93.3 75.2 112.8

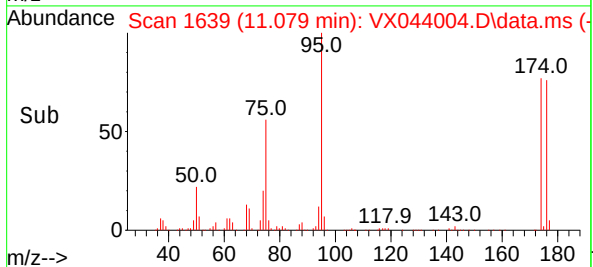
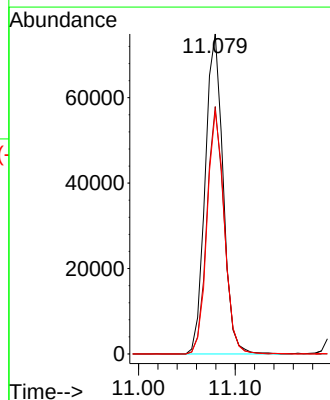
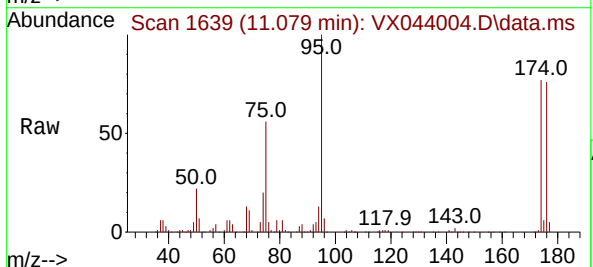
Manual Integrations  
APPROVED

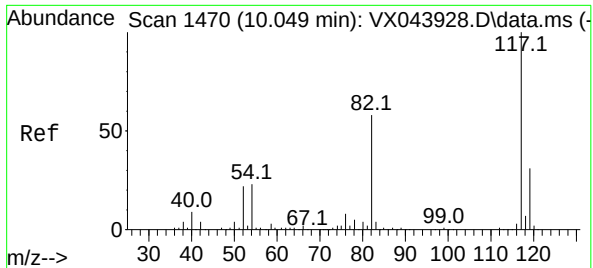
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#62  
4-Bromofluorobenzene  
Concen: 50.484 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 95 Resp: 96622  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 150.4  
176 73.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:117 Resp: 197529

Ion Ratio Lower Upper

117 100

82 56.3 46.4 69.6

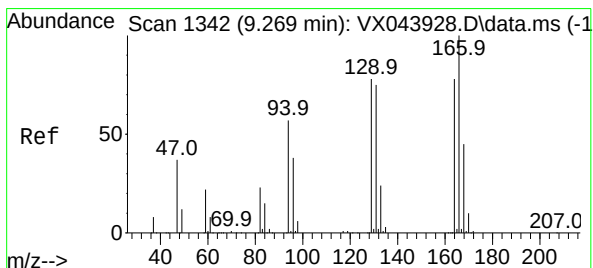
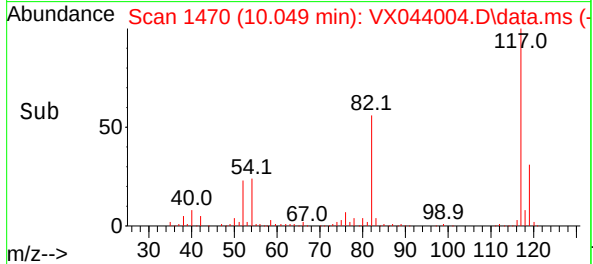
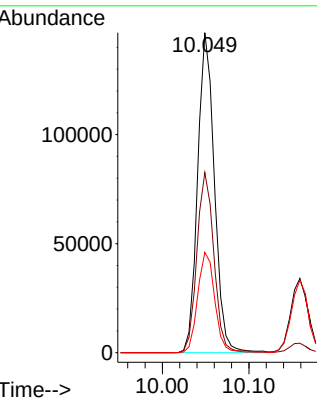
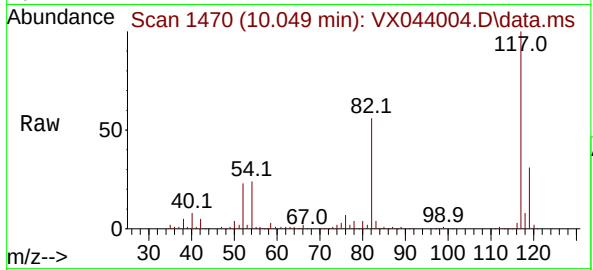
119 31.4 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#64

Tetrachloroethene

Concen: 48.121 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Tgt Ion:164 Resp: 62677

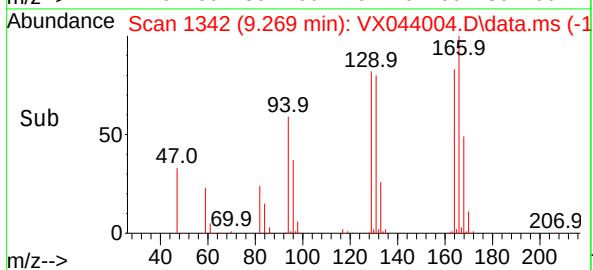
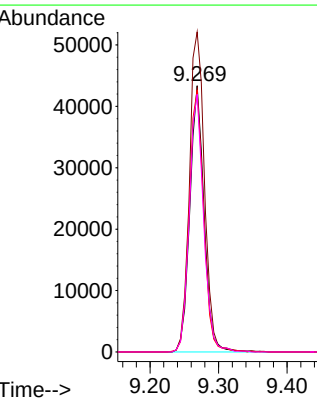
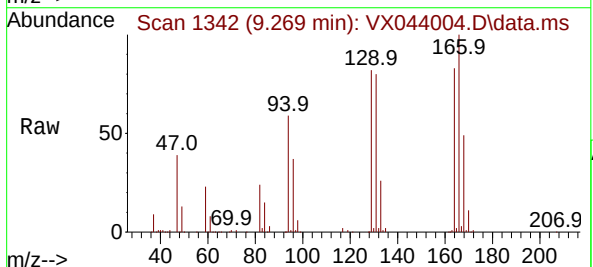
Ion Ratio Lower Upper

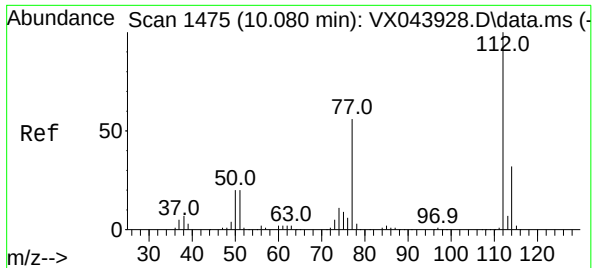
164 100

166 120.2 102.1 153.1

129 98.4 79.6 119.4

131 96.8 76.9 115.3





#65

Chlorobenzene

Concen: 46.996 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:112 Resp: 20388

Ion Ratio Lower Upper

112 100

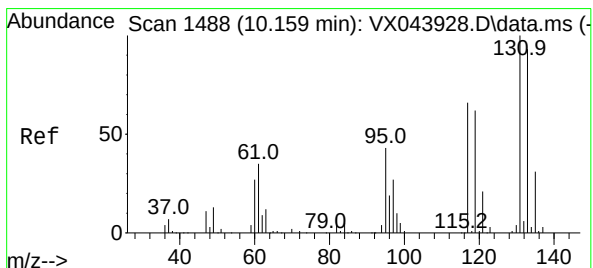
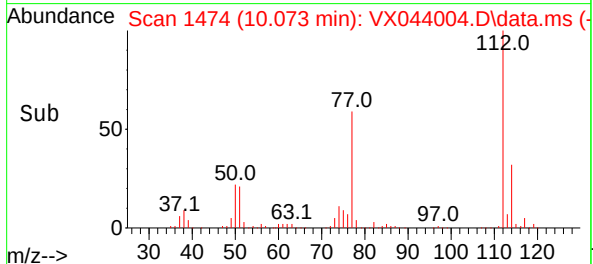
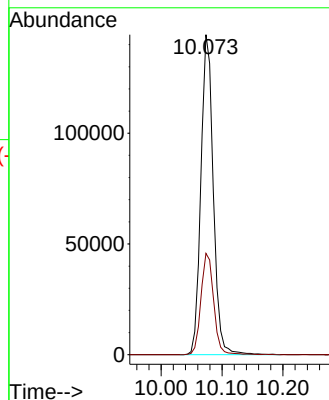
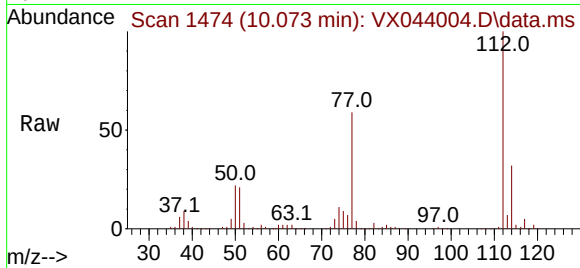
114 31.6 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 50.392 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

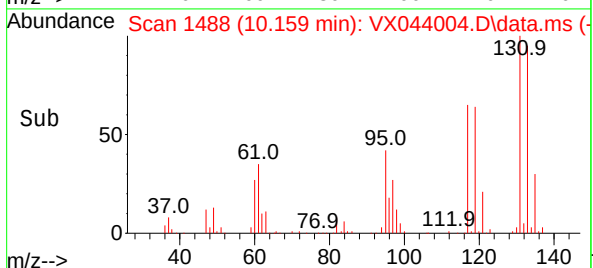
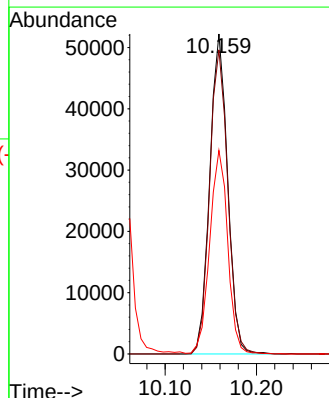
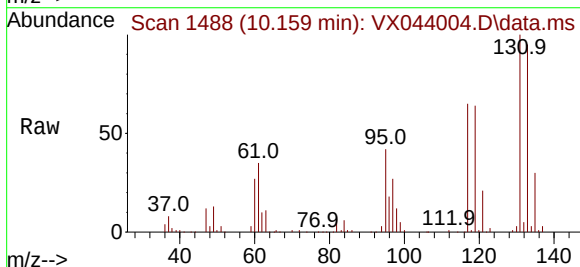
Tgt Ion:131 Resp: 70900

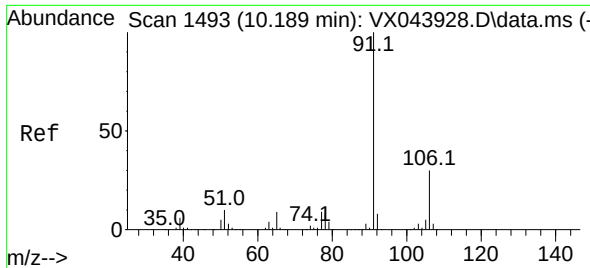
Ion Ratio Lower Upper

131 100

133 96.3 48.2 144.6

119 64.0 31.5 94.5





#67

Ethyl Benzene

Concen: 48.325 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 35524

Ion Ratio Lower Upper

91 100

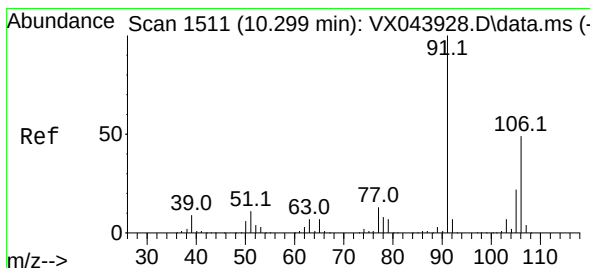
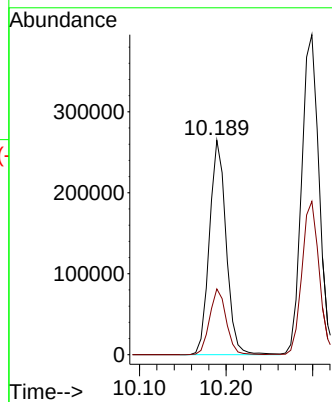
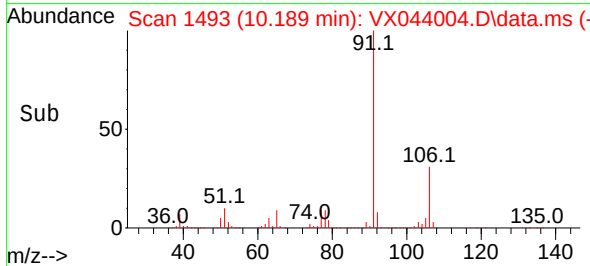
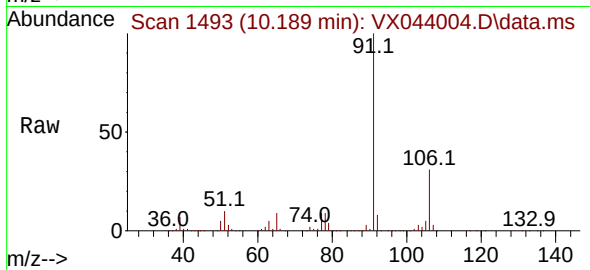
106 30.6 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#68

m/p-Xylenes

Concen: 96.088 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044004.D

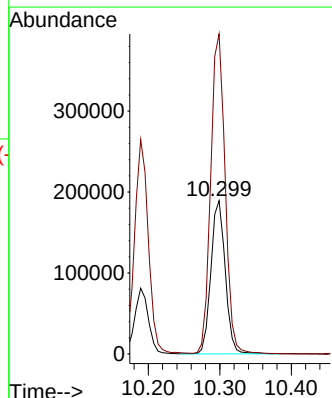
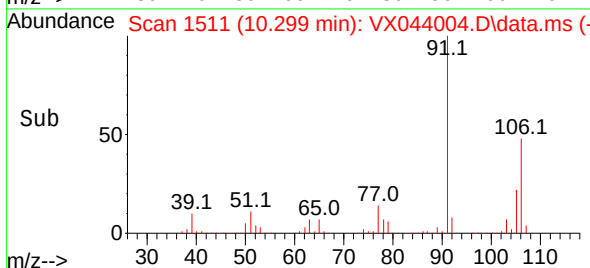
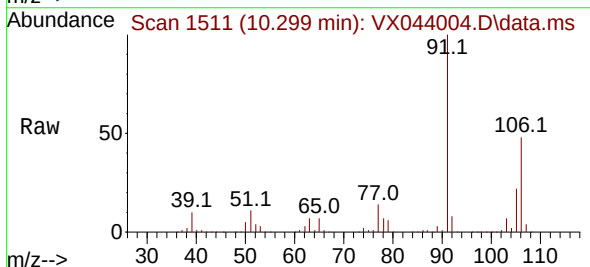
Acq: 26 Nov 2024 09:59

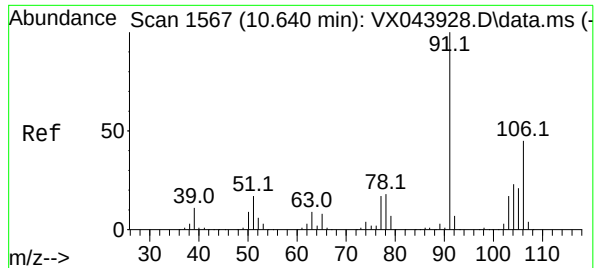
Tgt Ion:106 Resp: 263420

Ion Ratio Lower Upper

106 100

91 210.8 168.1 252.1





#69

o-Xylene

Concen: 48.254 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:106 Resp: 12915

Ion Ratio Lower Upper

106 100

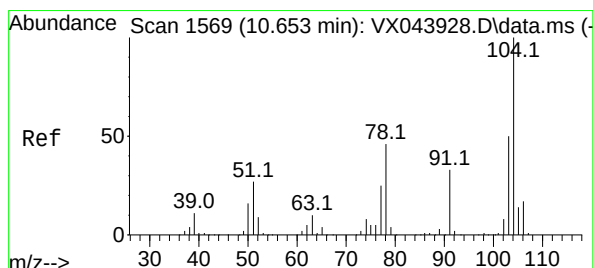
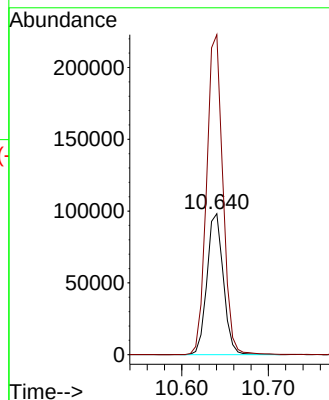
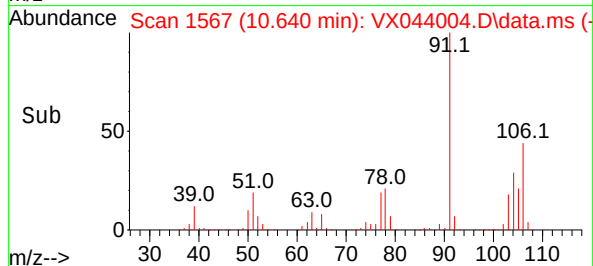
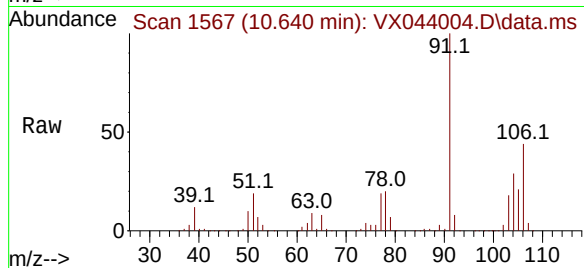
91 225.6 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#70

Styrene

Concen: 50.399 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

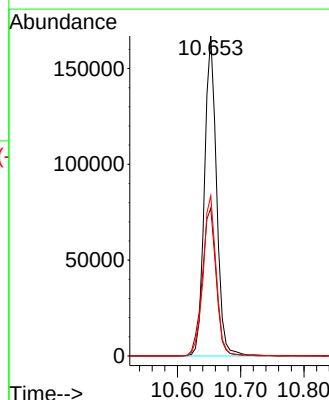
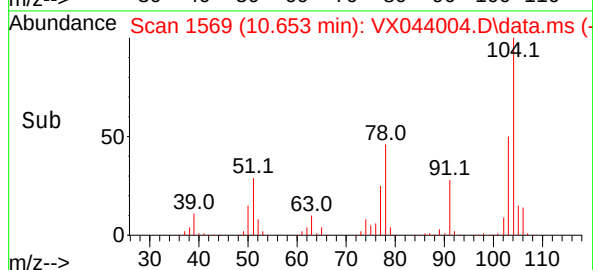
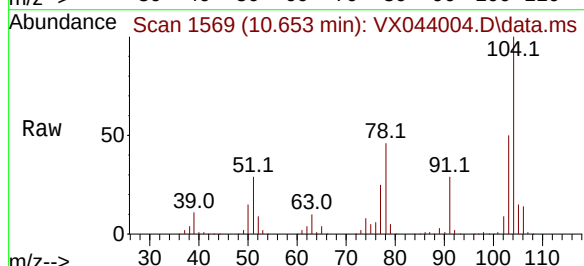
Tgt Ion:104 Resp: 223116

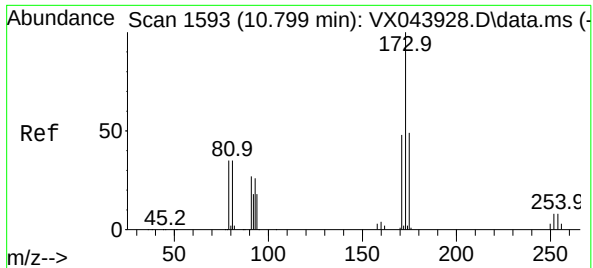
Ion Ratio Lower Upper

104 100

78 53.2 42.2 63.2

103 54.3 44.7 67.1





#71

Bromoform

Concen: 47.213 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:173 Resp: 50248

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

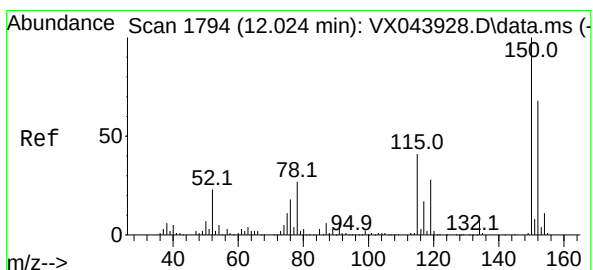
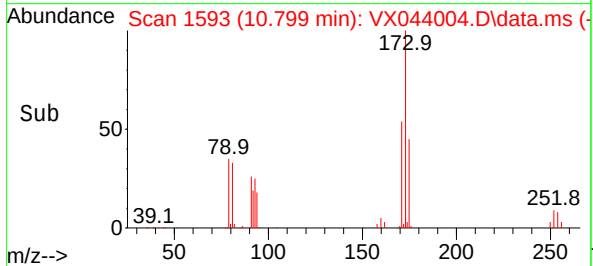
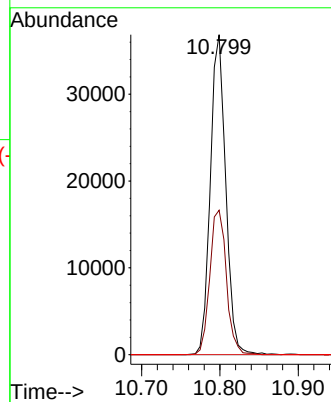
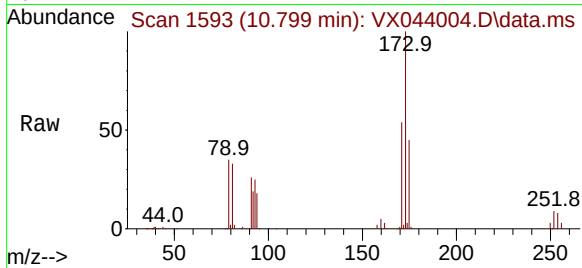
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

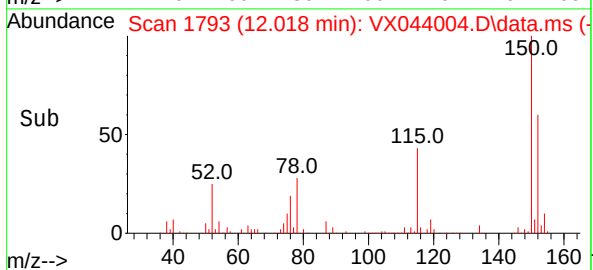
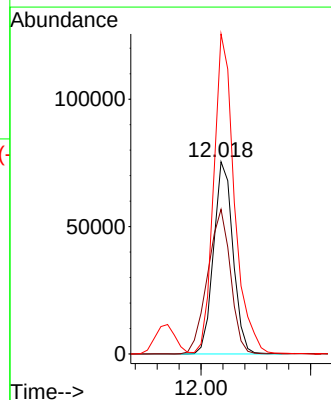
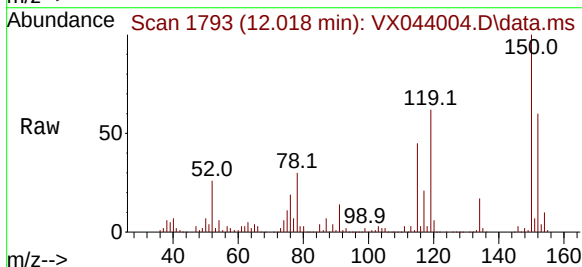
Tgt Ion:152 Resp: 92620

Ion Ratio Lower Upper

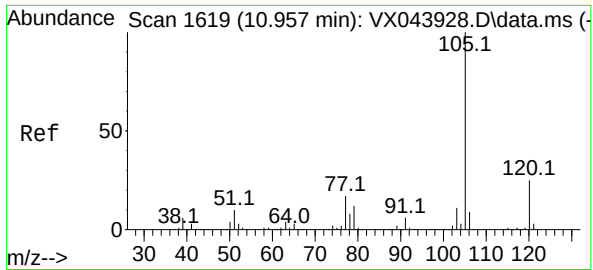
152 100

115 88.8 45.4 136.2

150 177.7 0.0 353.0







#73

Isopropylbenzene

Concen: 47.752 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 339978

Ion Ratio Lower Upper

105 100

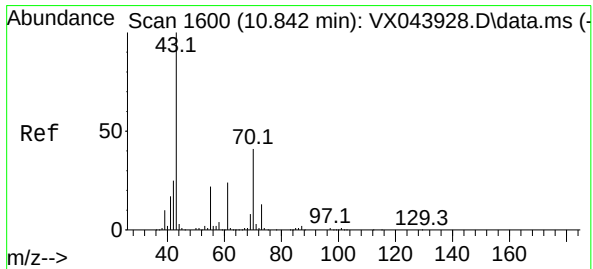
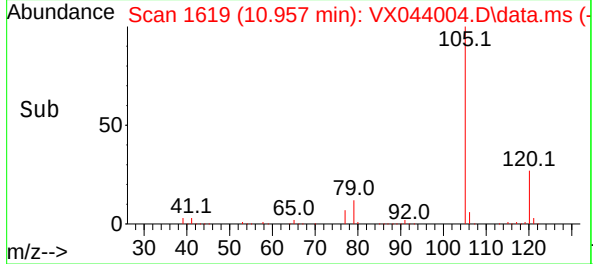
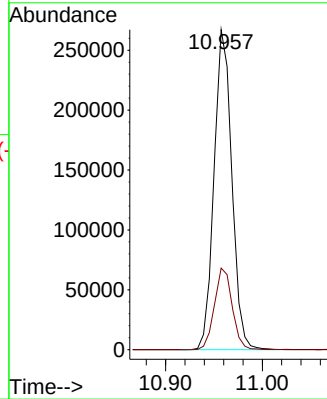
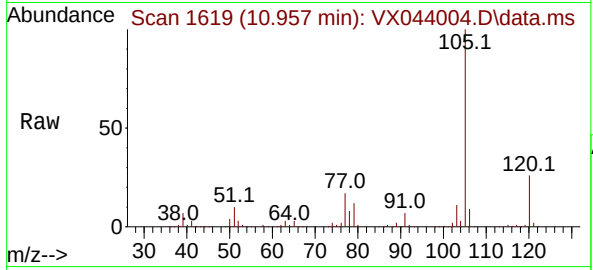
120 25.5 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#74

N-ethyl acetate

Concen: 49.007 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 161635

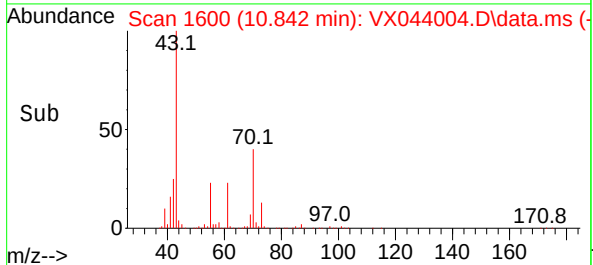
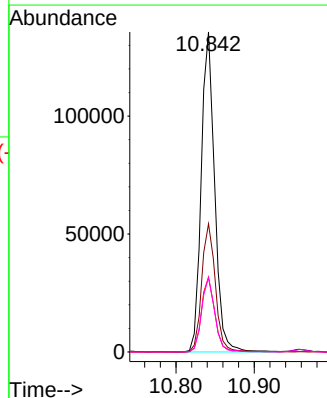
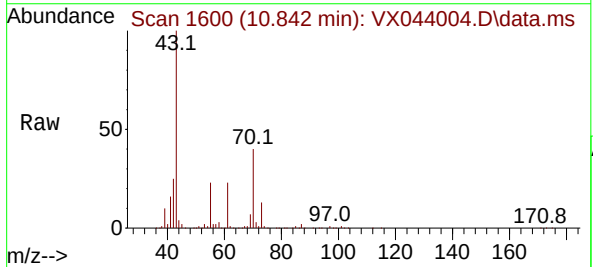
Ion Ratio Lower Upper

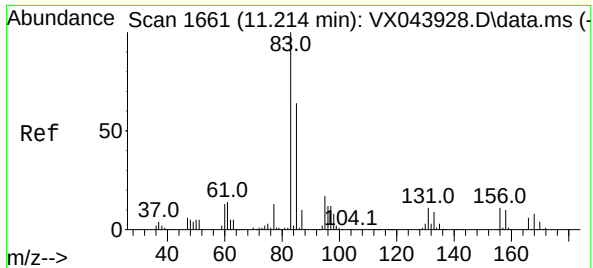
43 100

70 40.7 32.2 48.2

55 23.2 18.1 27.1

61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.146 ug/l

RT: 11.207 min Scan# 1660

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 83 Resp: 11737

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

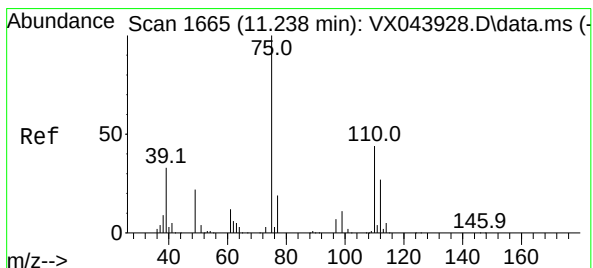
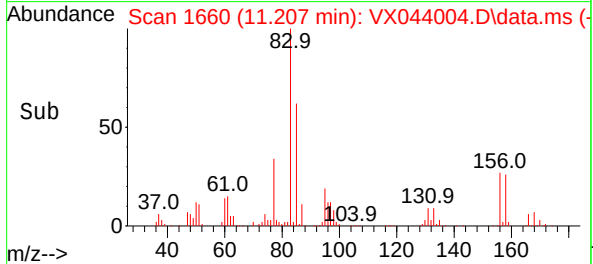
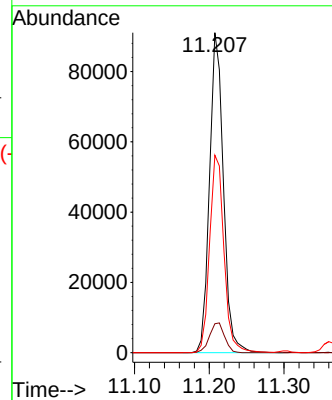
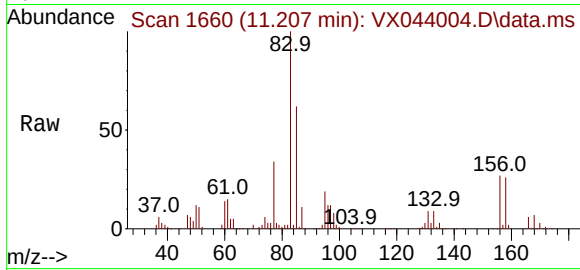
85 64.0 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#76

1,2,3-Trichloropropane

Concen: 49.166 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044004.D

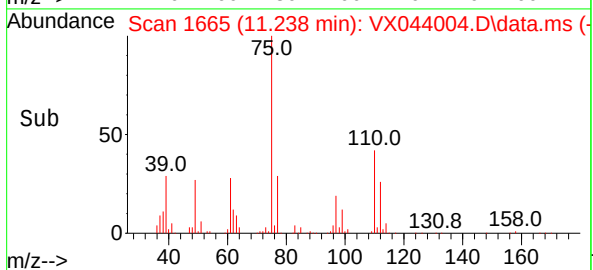
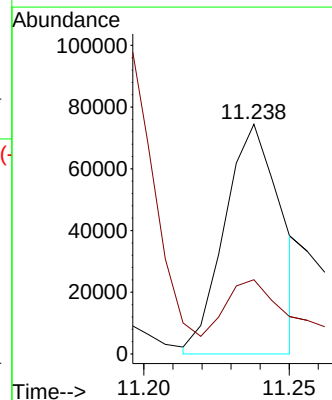
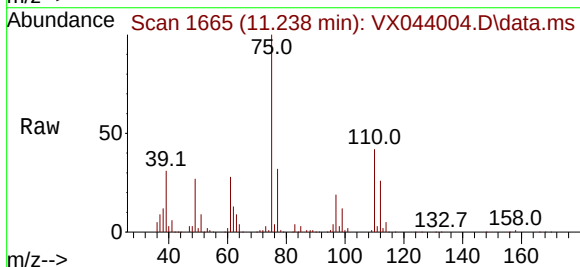
Acq: 26 Nov 2024 09:59

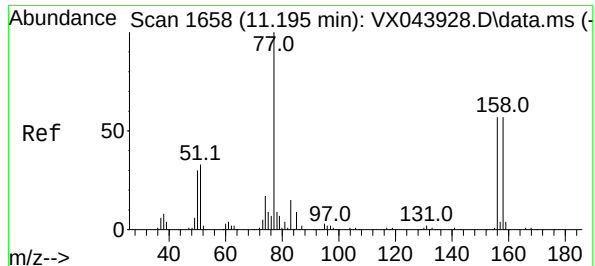
Tgt Ion: 75 Resp: 99863

Ion Ratio Lower Upper

75 100

77 41.3 21.8 65.3





#77

Bromobenzene

Concen: 48.072 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:156 Resp: 8164

Ion Ratio Lower Upper

156 100

77 164.7 83.4 250.1

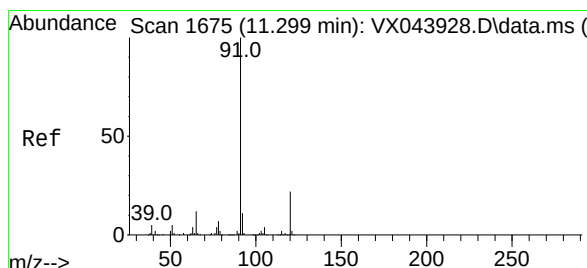
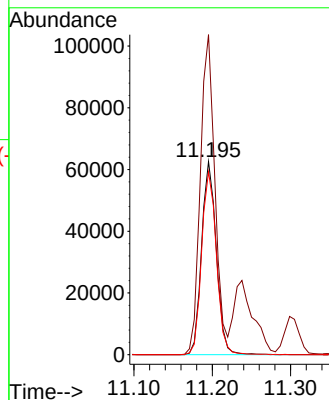
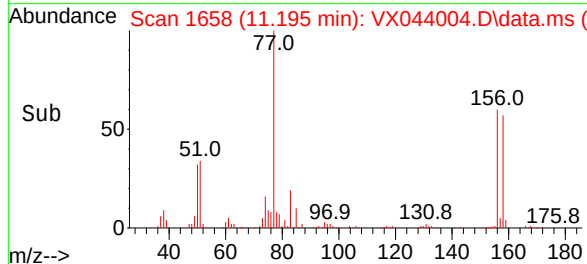
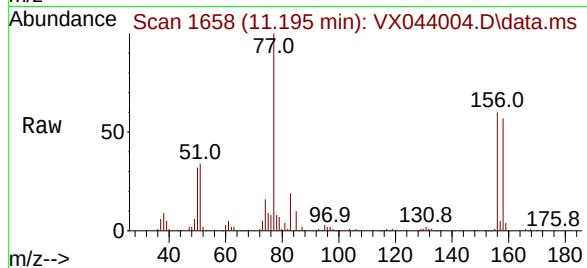
158 95.4 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#78

n-propylbenzene

Concen: 49.273 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044004.D

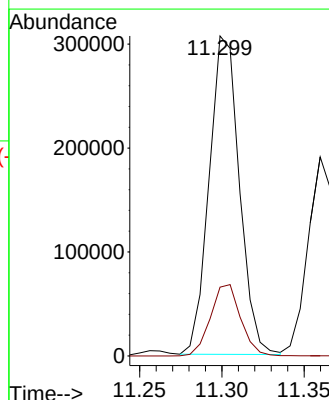
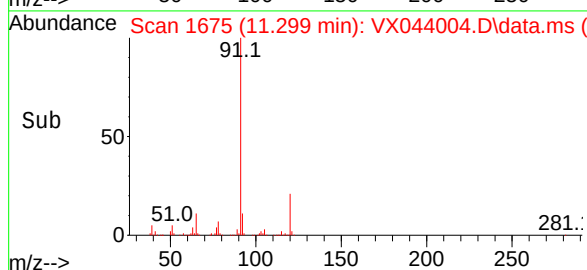
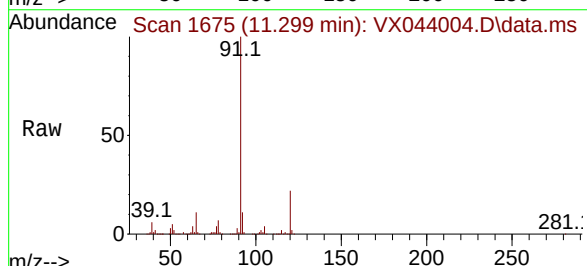
Acq: 26 Nov 2024 09:59

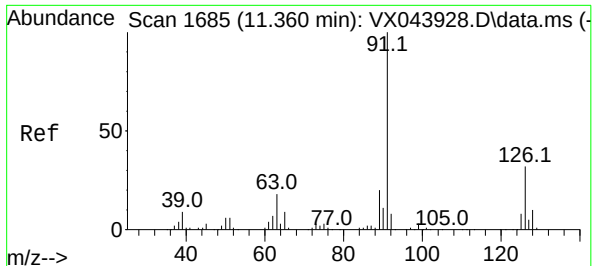
Tgt Ion: 91 Resp: 391796

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 46.549 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 23405

Ion Ratio Lower Upper

91 100

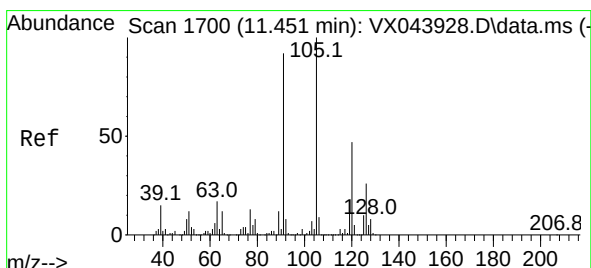
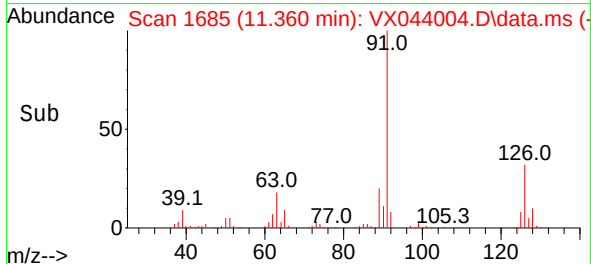
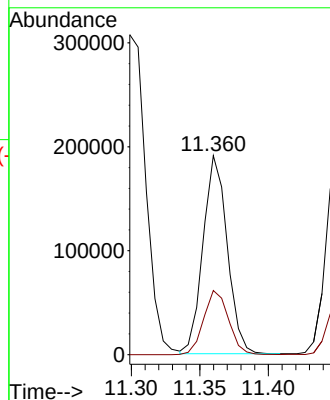
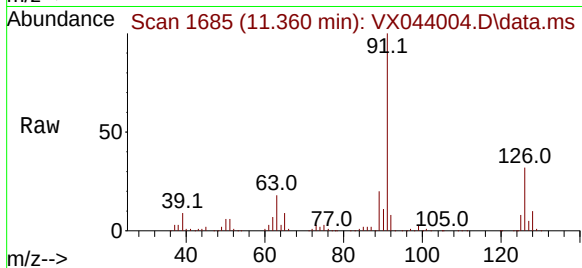
126 33.2 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#80

1,3,5-Trimethylbenzene

Concen: 48.750 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044004.D

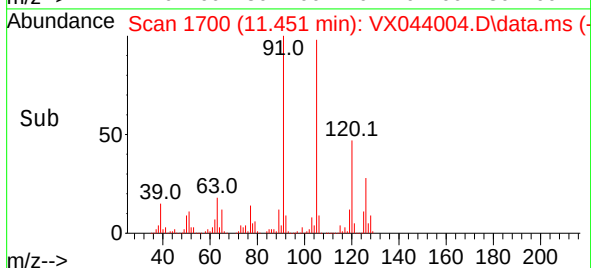
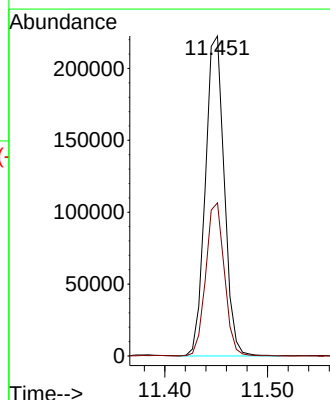
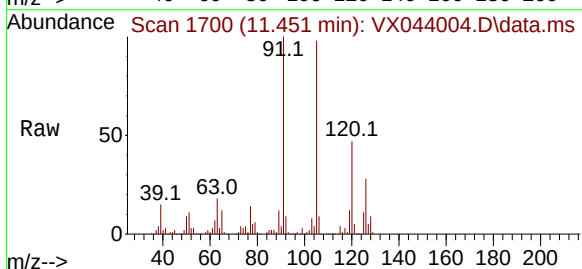
Acq: 26 Nov 2024 09:59

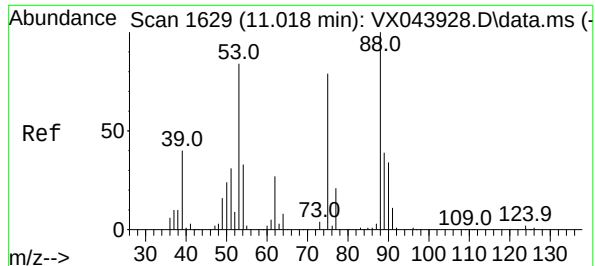
Tgt Ion:105 Resp: 285548

Ion Ratio Lower Upper

105 100

120 47.0 23.3 69.8





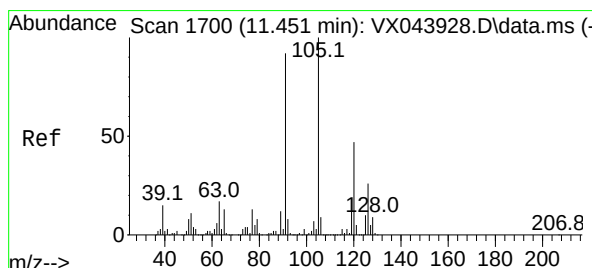
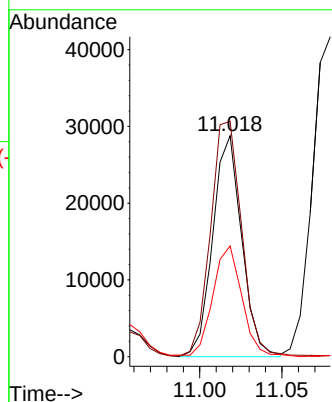
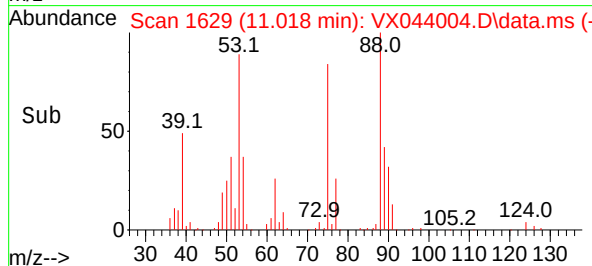
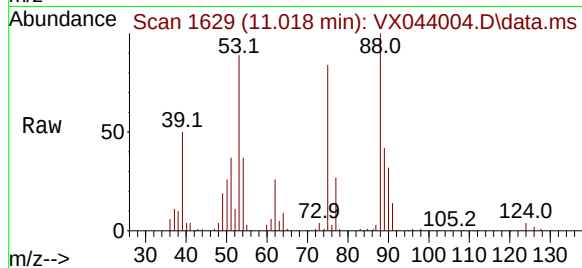
#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.385 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 75 Resp: 3527  
Ion Ratio Lower Upper  
75 100  
53 115.1 86.7 130.1  
89 50.7 38.2 57.2

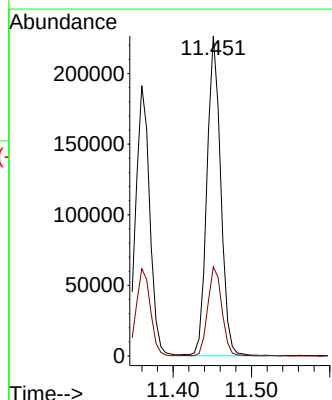
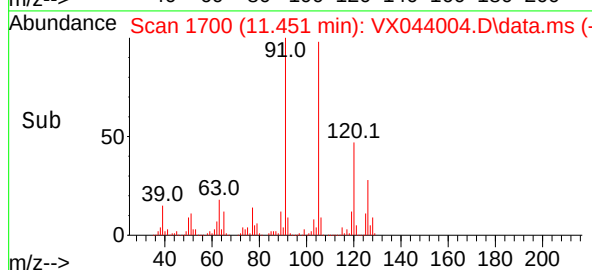
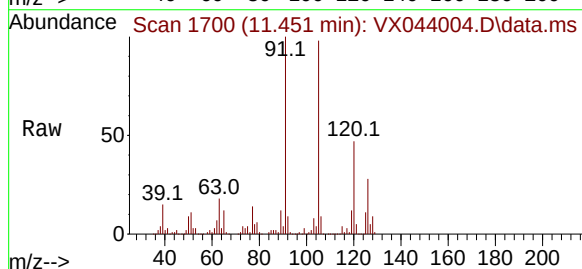
Manual Integrations  
APPROVED

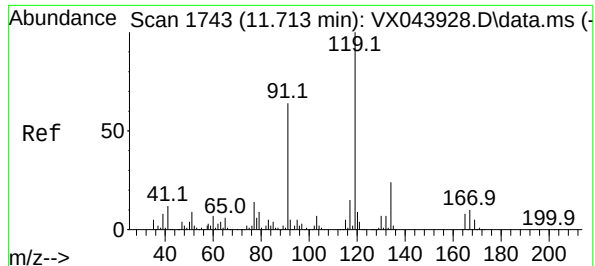
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#82  
4-Chlorotoluene  
Concen: 48.649 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 91 Resp: 276164  
Ion Ratio Lower Upper  
91 100  
126 28.3 14.3 42.9





#83

tert-Butylbenzene

Concen: 48.392 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:119 Resp: 280949

Ion Ratio Lower Upper

119 100

91 60.5 31.0 93.0

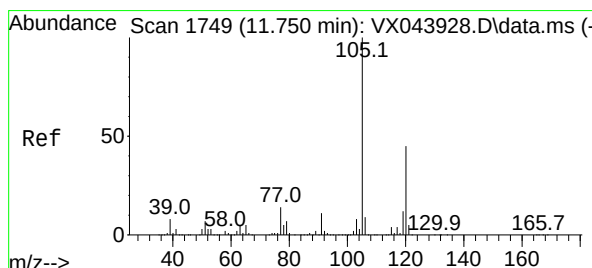
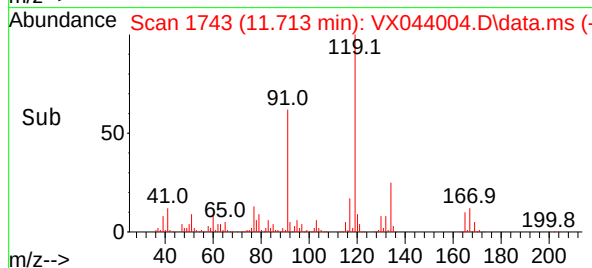
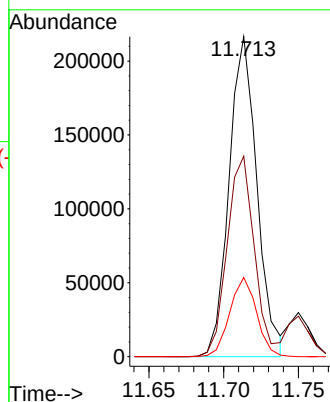
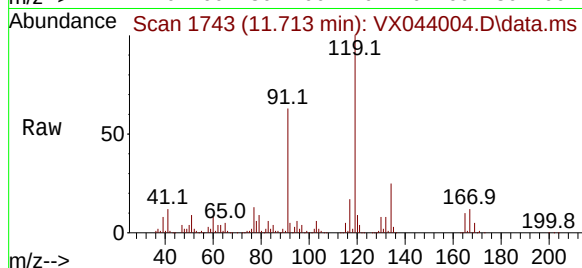
134 23.8 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#84

1,2,4-Trimethylbenzene

Concen: 49.480 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044004.D

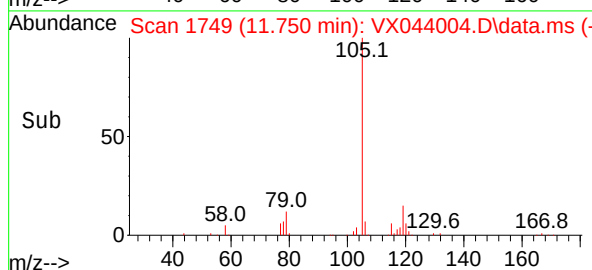
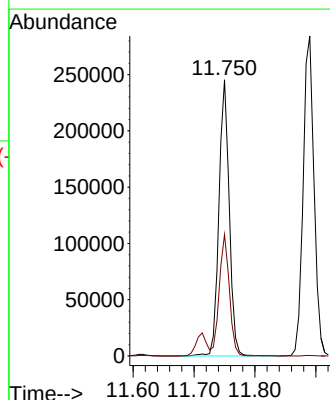
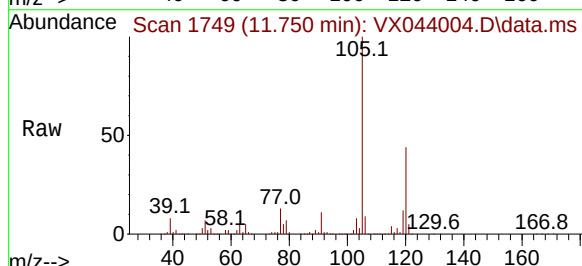
Acq: 26 Nov 2024 09:59

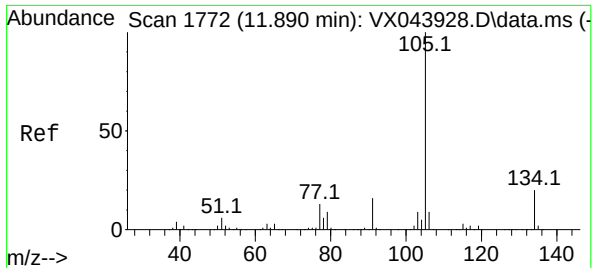
Tgt Ion:105 Resp: 288545

Ion Ratio Lower Upper

105 100

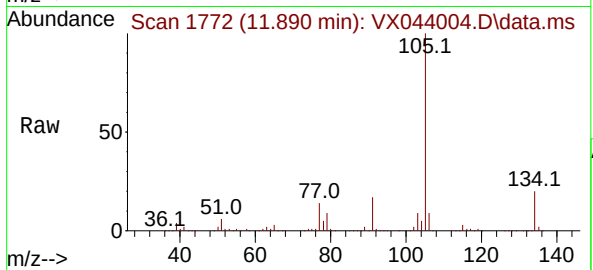
120 43.3 21.9 65.7





#85  
sec-Butylbenzene  
Concen: 49.271 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

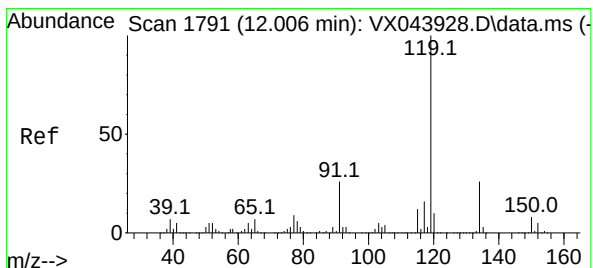
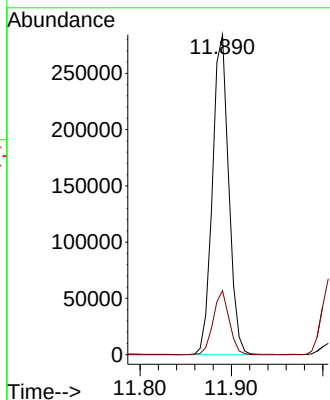
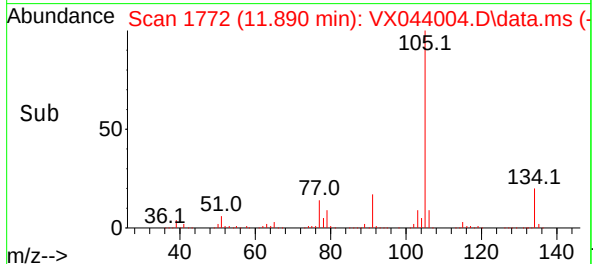
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion:105 Resp: 350478  
Ion Ratio Lower Upper  
105 100  
134 19.7 9.7 29.1

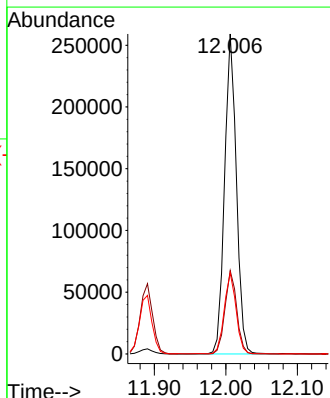
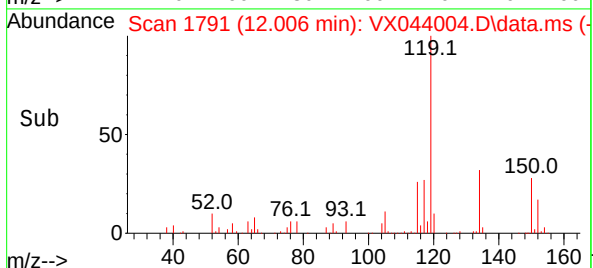
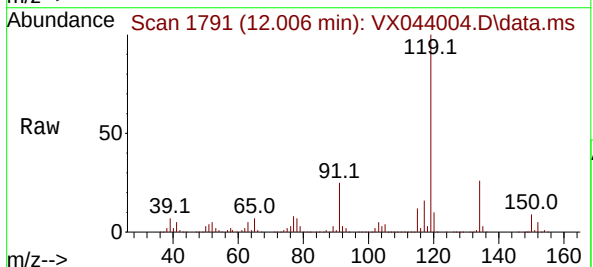
Manual Integrations  
APPROVED

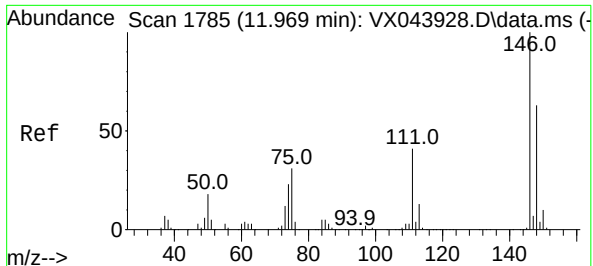
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#86  
p-Isopropyltoluene  
Concen: 51.525 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion:119 Resp: 297712  
Ion Ratio Lower Upper  
119 100  
134 25.9 13.0 38.9  
91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.812 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:146 Resp: 147898

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.3

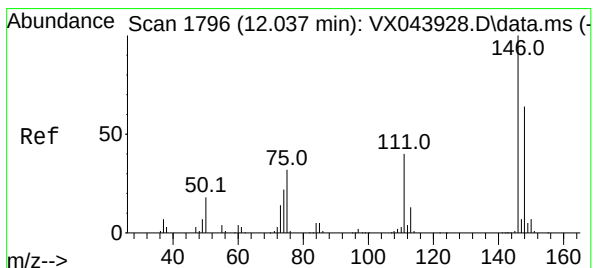
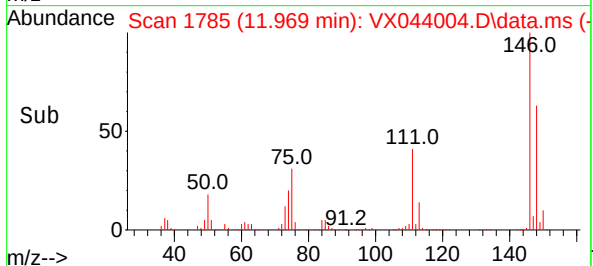
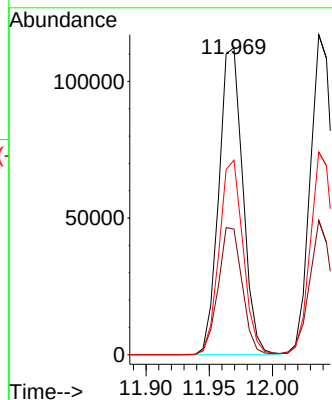
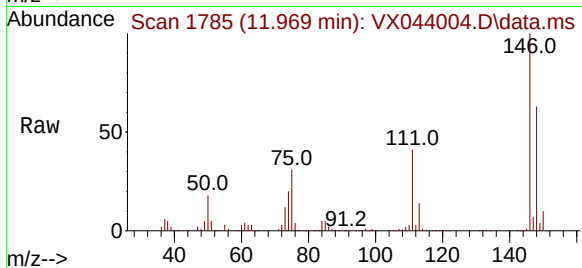
148 63.3 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#88

1,4-Dichlorobenzene

Concen: 46.902 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

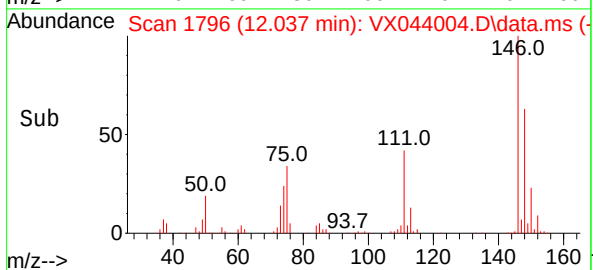
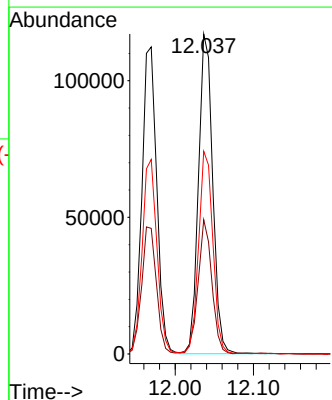
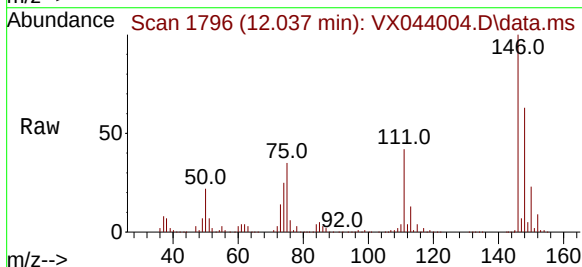
Tgt Ion:146 Resp: 147915

Ion Ratio Lower Upper

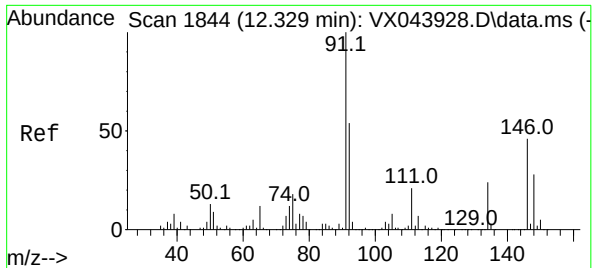
146 100

111 40.7 20.1 60.3

148 63.2 30.9 92.8







#89

n-Butylbenzene

Concen: 51.276 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 261214

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.8

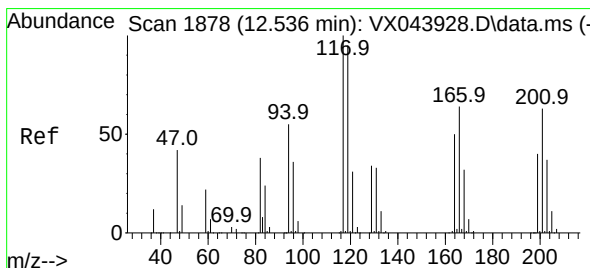
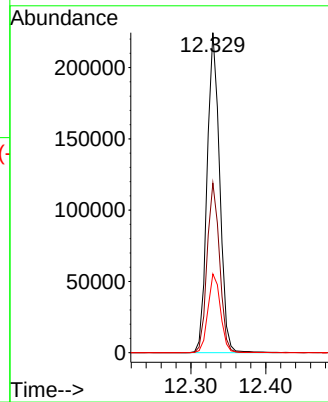
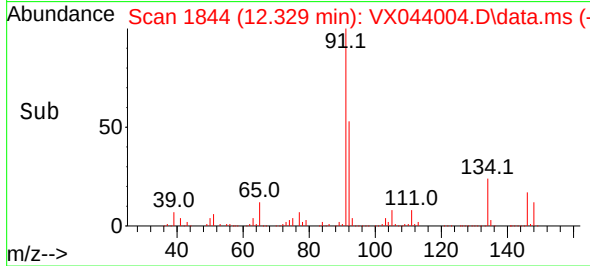
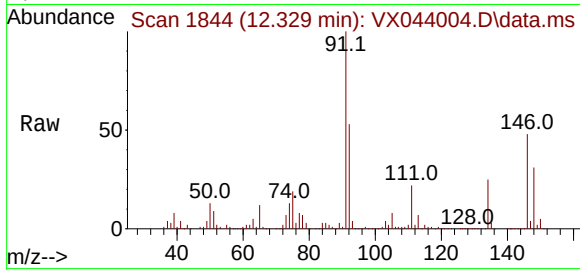
134 24.7 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#90

Hexachloroethane

Concen: 48.805 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044004.D

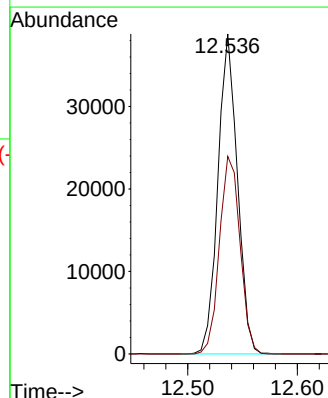
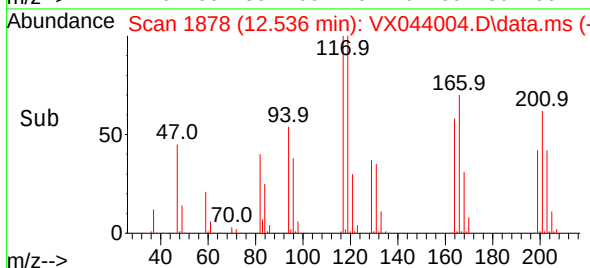
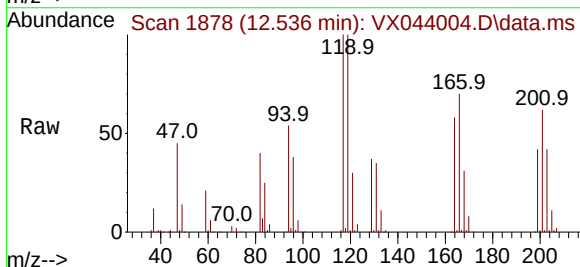
Acq: 26 Nov 2024 09:59

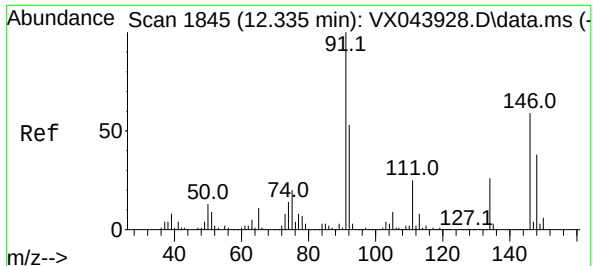
Tgt Ion:117 Resp: 47951

Ion Ratio Lower Upper

117 100

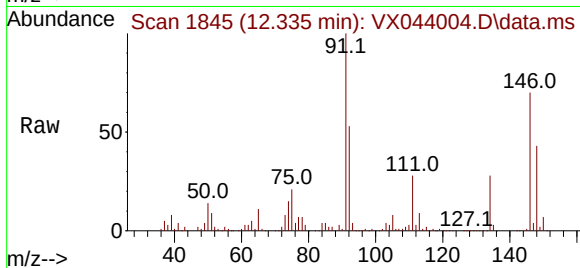
201 65.2 32.4 97.0





#91  
1,2-Dichlorobenzene  
Concen: 49.239 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

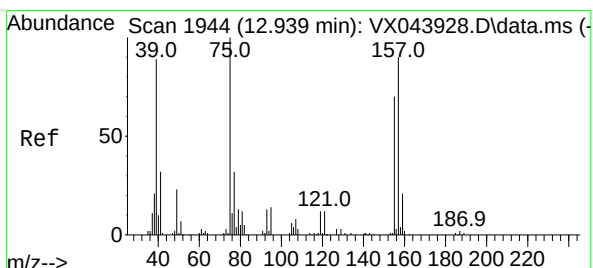
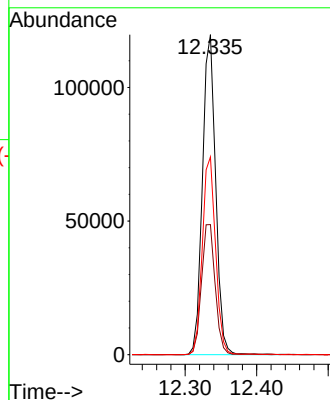
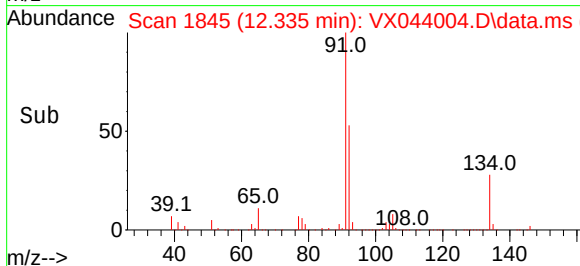
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050



Tgt Ion:146 Resp: 153709  
Ion Ratio Lower Upper  
146 100  
111 42.0 21.5 64.5  
148 62.2 31.9 95.5

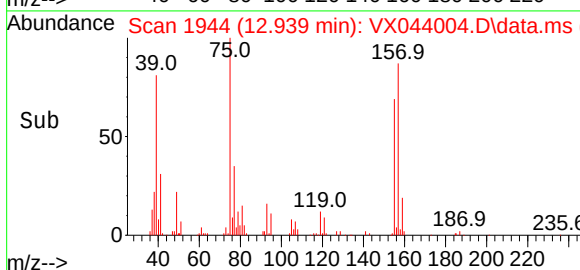
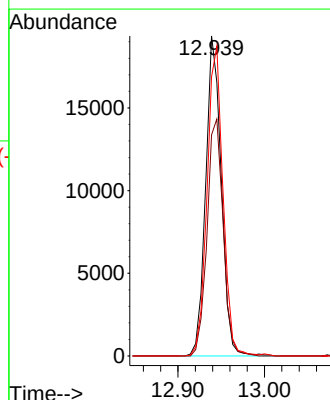
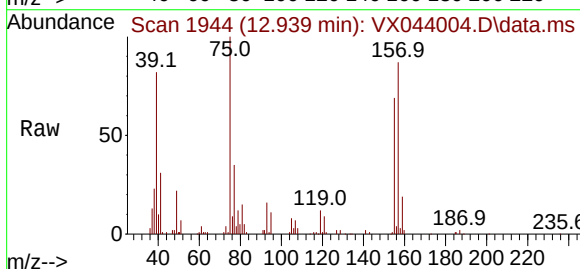
Manual Integrations  
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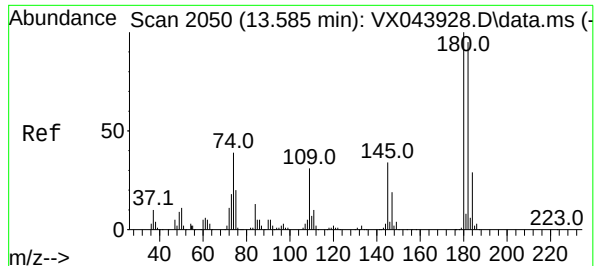
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 49.526 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 24192  
Ion Ratio Lower Upper  
75 100  
155 76.6 40.1 120.2  
157 98.9 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 48.090 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:180 Resp: 88500

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.2

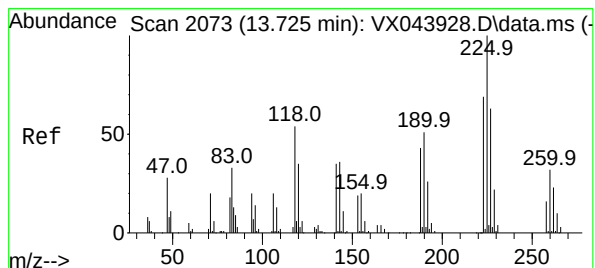
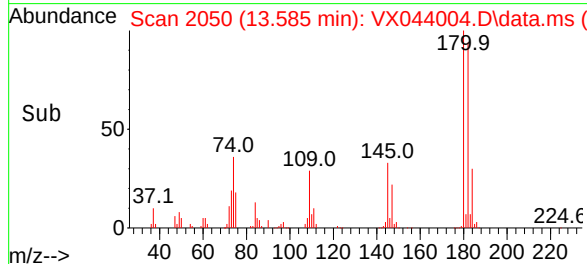
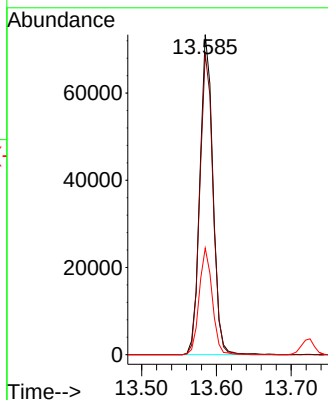
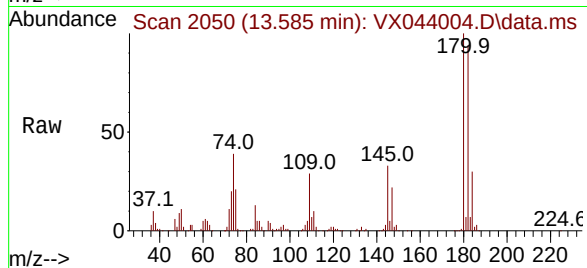
145 33.3 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#94

Hexachlorobutadiene

Concen: 50.669 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

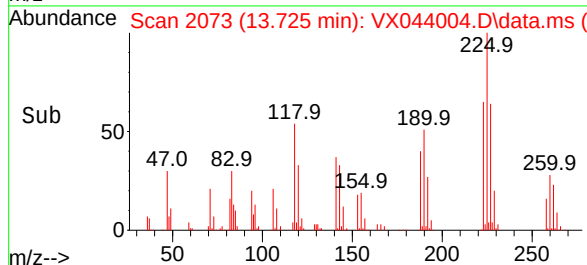
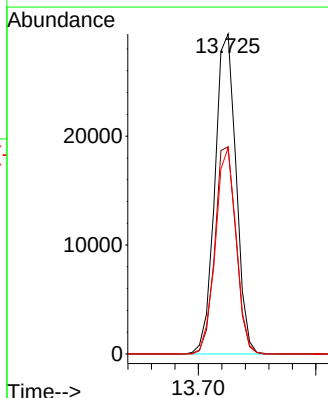
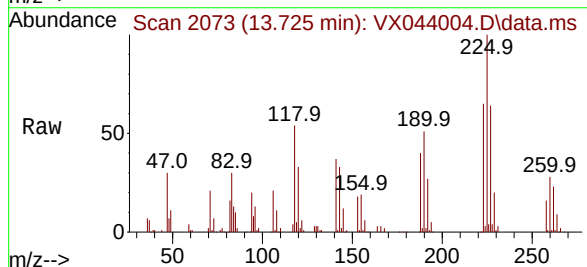
Tgt Ion:225 Resp: 36855

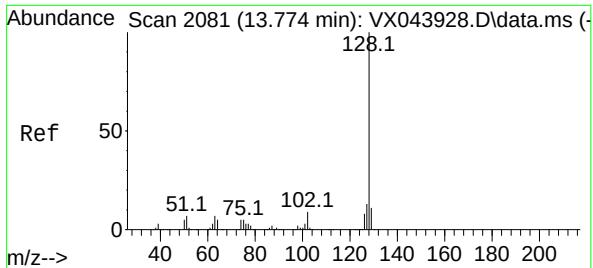
Ion Ratio Lower Upper

225 100

223 64.3 32.9 98.6

227 63.0 31.6 94.8





#95

Naphthalene

Concen: 49.840 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

Tgt Ion:128 Resp: 330189

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

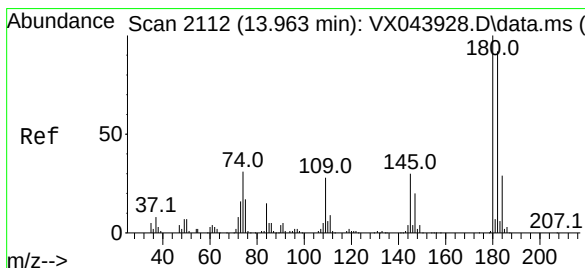
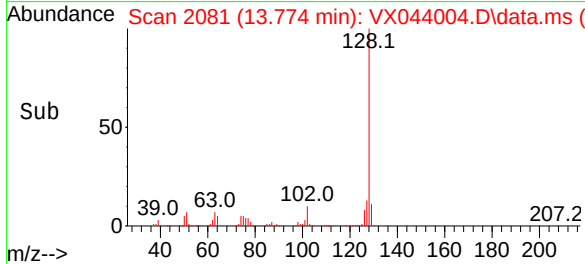
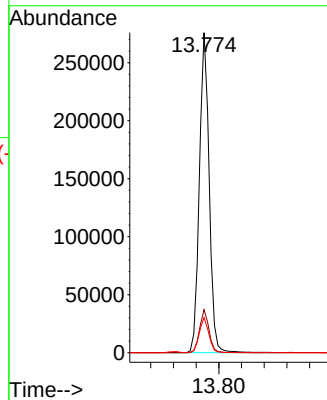
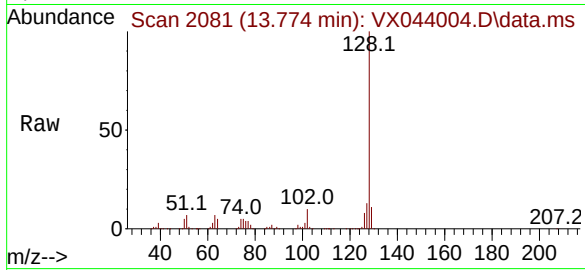
129 10.7 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#96

1,2,3-Trichlorobenzene

Concen: 49.496 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

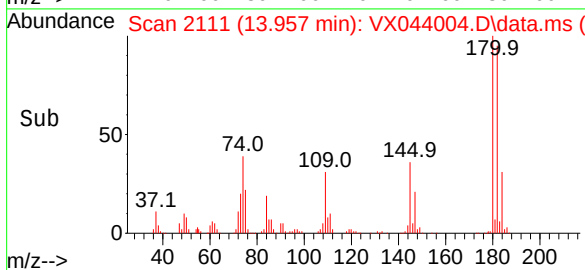
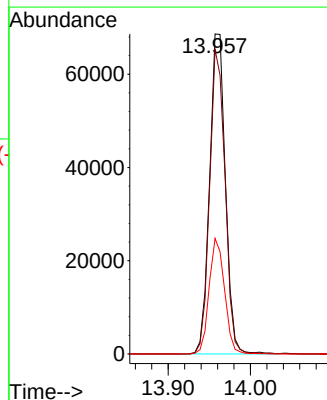
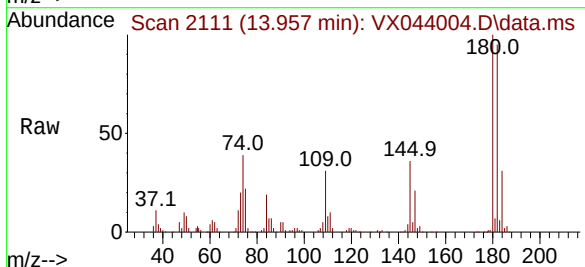
Tgt Ion:180 Resp: 92201

Ion Ratio Lower Upper

180 100

182 92.3 45.6 136.8

145 35.0 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.557 | 12.0  | 80    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.577 | 13.5  | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.640 | 9.7#  | 82    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.401 | 8.0   | 88    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.419 | 3.0   | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.122 | 11.5  | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.411 | 11.0  | 85    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.557 | 7.9   | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.677 | 10.3  | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.121 | 12.3  | 82    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.507 | 12.0# | 83    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.121 | 16.6  | 82    | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 0.859 | 8.7   | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.317 | 5.4   | 84    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.399 | -1.3  | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 0.975 | 17.9  | 74    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.867 | 5.5   | 86    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 1.897 | 9.3   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.585 | 12.4  | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.523 | 12.1  | 81    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 1.838 | 8.7   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.635 | 5.1   | 83    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.059 | 8.8   | 83    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.499 | 1.8   | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 0.967 | 7.8   | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.667 | 9.3   | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.489 | 4.3   | 107   | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.292 | 6.4   | 85    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.140 | 8.7#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 0.956 | 0.839 | 12.2  | 79    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 1.015 | 5.8   | 84    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.810 | 5.6   | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.363 | -1.7  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.435 | 2.2   | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.541 | 2.2   | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.496 | 0.8   | 84    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.547 | 5.4   | 79    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.336 | 3.7   | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.280 | 1.1   | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.527 | 5.4   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.861 | 2.2   | 83    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.332 | 15.5  | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.332 | 2.4#  | 85    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.268 | 0.4   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.498 | -3.3  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.408 | 3.3   | 83    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.007 | 12.5 | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.221 | 0.9  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.541 | -0.7 | 84    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.805 | 3.0# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.495 | -0.8 | 82    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.534 | 0.9  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.328 | 4.4  | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.534 | 0.0  | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.572 | 0.9  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.280 | -2.6 | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.418 | -3.7 | 84    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.360 | -4.7 | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.346 | 0.0  | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.423 | -1.0 | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.317 | 3.9  | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 1.032 | 6.0  | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.359 | -0.8 | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 1.798 | 3.4# | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.667 | 3.9  | 81    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.654 | 3.5  | 80    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.130 | -0.8 | 83    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.254 | -5.8 | 83    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 3.671 | 4.5  | 83    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 1.745 | 2.0  | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.267 | 3.7  | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.078 | 1.6  | 84    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.881 | 3.9  | 84    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 4.230 | 1.5  | 83    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.527 | 6.9  | 82    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 3.083 | 2.5  | 83    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.381 | 5.2  | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 2.982 | 2.7  | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 3.033 | 3.2  | 81    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 3.115 | 1.0  | 84    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 3.784 | 1.5  | 82    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 3.214 | -3.0 | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.597 | 4.4  | 84    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.597 | 6.2  | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 2.820 | -2.5 | 82    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.518 | 2.3  | 81    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.660 | 1.5  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.261 | 1.1  | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 0.956 | 3.8  | 81    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.398 | -1.3 | 89    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 3.565 | 0.3  | 82    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044004.D  
Acq On : 26 Nov 2024 09:59  
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 27 00:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 0.995 | 1.1  | 82    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 98    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 43.941  | 12.1  | 80    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 43.291  | 13.4  | 81    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 45.118  | 9.8#  | 82    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 45.957  | 8.1   | 88    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 48.498  | 3.0   | 90    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 44.255  | 11.5  | 81    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 44.435  | 11.1  | 85    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 46.075  | 7.8   | 83    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.845  | 10.3  | 82    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 219.438 | 12.2  | 82    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 44.001  | 12.0# | 83    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 208.335 | 16.7  | 82    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.619  | 8.8   | 81    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 236.257 | 5.5   | 84    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 253.405 | -1.4  | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 41.002  | 18.0  | 74    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 47.252  | 5.5   | 86    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 45.330  | 9.3   | 82    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.739  | 12.5  | 86    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 43.972  | 12.1  | 81    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 45.651  | 8.7   | 83    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 237.383 | 5.0   | 83    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 45.576  | 8.8   | 83    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 245.268 | 1.9   | 86    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 46.124  | 7.8   | 83    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 45.367  | 9.3   | 83    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 47.869  | 4.3   | 107   | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 234.185 | 6.3   | 85    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 45.643  | 8.7#  | 85    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 43.902  | 12.2  | 79    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.118  | 5.8   | 84    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 47.228  | 5.5   | 106   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 94    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 50.747  | -1.5  | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.822  | 2.4   | 83    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 48.911  | 2.2   | 84    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.603  | 0.8   | 84    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 47.322  | 5.4   | 79    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.176  | 3.6   | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 49.419  | 1.2   | 80    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 47.284  | 5.4   | 83    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 48.957  | 2.1   | 83    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 42.307  | 15.4  | 84    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 48.861  | 2.3#  | 85    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.837  | 0.3   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 51.670  | -3.3  | 87    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 48.339  | 3.3   | 83    | 0.00     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 927.311 | 7.3  | 81    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.578  | 0.8  | 105   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 251.920 | -0.8 | 84    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 48.472  | 3.1# | 83    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 50.408  | -0.8 | 82    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 49.594  | 0.8  | 83    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 47.934  | 4.1  | 84    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 50.030  | -0.1 | 82    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.593  | 0.8  | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 239.296 | 4.3  | 86    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 258.897 | -3.6 | 84    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 52.290  | -4.6 | 86    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 49.979  | 0.0  | 85    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 50.484  | -1.0 | 103   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 93    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.121  | 3.8  | 85    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 46.996  | 6.0  | 84    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.392  | -0.8 | 84    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 48.325  | 3.3# | 83    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 96.088  | 3.9  | 81    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.254  | 3.5  | 80    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 50.399  | -0.8 | 83    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 47.213  | 5.6  | 83    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 92    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 47.752  | 4.5  | 83    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 49.007  | 2.0  | 81    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.146  | 3.7  | 84    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.166  | 1.7  | 84    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 48.072  | 3.9  | 84    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 49.273  | 1.5  | 83    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 46.549  | 6.9  | 82    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 48.750  | 2.5  | 83    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 47.385  | 5.2  | 79    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 48.649  | 2.7  | 83    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 48.392  | 3.2  | 81    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 49.480  | 1.0  | 84    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 49.271  | 1.5  | 82    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 51.525  | -3.0 | 84    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 47.812  | 4.4  | 84    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 46.902  | 6.2  | 83    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 51.276  | -2.6 | 82    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 48.805  | 2.4  | 81    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 49.239  | 1.5  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 49.526  | 0.9  | 85    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 48.090  | 3.8  | 81    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.669  | -1.3 | 89    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 49.840  | 0.3  | 82    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044004.D  
Acq On : 26 Nov 2024 09:59  
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 27 00:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 49.496 | 1.0  | 82    | 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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/26/2024 17:33

Lab File ID: VX044022.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.633 | 0.531  |            | -16.11 | 50    |
| Chloromethane                  | 0.667 | 0.587  | 0.1        | -11.99 | 50    |
| Vinyl Chloride                 | 0.709 | 0.625  |            | -11.85 | 50    |
| Bromomethane                   | 0.436 | 0.405  |            | -7.11  | 50    |
| Chloroethane                   | 0.432 | 0.429  |            | -0.69  | 50    |
| Trichlorofluoromethane         | 1.268 | 1.220  |            | -3.79  | 50    |
| 1,1,2-Trichlorotrifluoroethane | 0.605 | 0.526  |            | -13.06 | 50    |
| 1,1-Dichloroethene             | 0.576 | 0.499  |            | -13.37 | 50    |
| Acetone                        | 0.394 | 0.316  |            | -19.8  | 50    |
| Carbon Disulfide               | 1.188 | 0.859  |            | -27.69 | 50    |
| Methyl tert-butyl Ether        | 2.092 | 1.931  |            | -7.7   | 50    |
| Methyl Acetate                 | 0.917 | 0.850  |            | -7.31  | 50    |
| Methylene Chloride             | 0.668 | 0.581  |            | -13.02 | 50    |
| trans-1,2-Dichloroethene       | 0.595 | 0.527  |            | -11.43 | 50    |
| 1,1-Dichloroethane             | 1.161 | 1.072  | 0.1        | -7.67  | 50    |
| Cyclohexane                    | 0.956 | 0.792  |            | -17.16 | 50    |
| 2-Butanone                     | 0.508 | 0.469  |            | -7.68  | 50    |
| Carbon Tetrachloride           | 0.500 | 0.442  |            | -11.6  | 50    |
| cis-1,2-Dichloroethene         | 0.735 | 0.659  |            | -10.34 | 50    |
| Bromochloromethane             | 0.511 | 0.426  |            | -16.63 | 50    |
| Chloroform                     | 1.249 | 1.156  |            | -7.45  | 50    |
| 1,1,1-Trichloroethane          | 1.077 | 0.986  |            | -8.45  | 50    |
| Methylcyclohexane              | 0.578 | 0.472  |            | -18.34 | 50    |
| Benzene                        | 1.387 | 1.245  |            | -10.24 | 50    |
| 1,2-Dichloroethane             | 0.557 | 0.514  |            | -7.72  | 50    |
| Trichloroethene                | 0.393 | 0.304  |            | -22.65 | 50    |
| 1,2-Dichloropropane            | 0.340 | 0.315  |            | -7.35  | 50    |
| Bromodichloromethane           | 0.482 | 0.449  |            | -6.85  | 50    |
| 4-Methyl-2-Pentanone           | 0.537 | 0.521  |            | -2.98  | 50    |
| Toluene                        | 0.830 | 0.763  |            | -8.07  | 50    |
| t-1,3-Dichloropropene          | 0.491 | 0.452  |            | -7.94  | 50    |
| cis-1,3-Dichloropropene        | 0.539 | 0.492  |            | -8.72  | 50    |
| 1,1,2-Trichloroethane          | 0.343 | 0.319  |            | -7     | 50    |
| 2-Hexanone                     | 0.403 | 0.386  |            | -4.22  | 50    |
| Dibromochloromethane           | 0.344 | 0.321  |            | -6.69  | 50    |
| 1,2-Dibromoethane              | 0.346 | 0.326  |            | -5.78  | 50    |
| Tetrachloroethene              | 0.330 | 0.292  |            | -11.52 | 50    |
| Chlorobenzene                  | 1.098 | 0.968  | 0.3        | -11.84 | 50    |

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: CHEMTECH Contract: EAEN05

Lab Code: CHEM Case No.: P4873 SAS No.: P4873 SDG No.: P4873

Instrument ID: MSVOA\_X Calibration Date/Time: 11/26/2024 17:33

Lab File ID: VX044022.D Init. Calib. Date(s): 11/21/2024 11/21/2024

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:47 12:03

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|-----------------------------|-------|--------|------------|--------|-------|
| Ethyl Benzene               | 1.861 | 1.701  |            | -8.6   | 50    |
| m/p-Xylenes                 | 0.694 | 0.636  |            | -8.36  | 50    |
| o-Xylene                    | 0.678 | 0.627  |            | -7.52  | 50    |
| Styrene                     | 1.121 | 1.060  |            | -5.44  | 50    |
| Bromoform                   | 0.240 | 0.221  | 0.1        | -7.92  | 50    |
| Isopropylbenzene            | 3.843 | 3.481  |            | -9.42  | 50    |
| 1,1,2,2-Tetrachloroethane   | 1.316 | 1.216  | 0.3        | -7.6   | 50    |
| 1,3-Dichlorobenzene         | 1.670 | 1.490  |            | -10.78 | 50    |
| 1,4-Dichlorobenzene         | 1.702 | 1.502  |            | -11.75 | 50    |
| 1,2-Dichlorobenzene         | 1.685 | 1.515  |            | -10.09 | 50    |
| 1,2-Dibromo-3-Chloropropane | 0.264 | 0.227  |            | -14.02 | 50    |
| 1,2,4-Trichlorobenzene      | 0.994 | 0.856  |            | -13.88 | 50    |
| 1,2,3-Trichlorobenzene      | 1.006 | 0.904  |            | -10.14 | 50    |
| 1,2-Dichloroethane-d4       | 0.858 | 0.784  |            | -8.63  | 50    |
| Dibromofluoromethane        | 0.357 | 0.329  |            | -7.84  | 50    |
| Toluene-d8                  | 1.232 | 1.084  |            | -12.01 | 50    |
| 4-Bromofluorobenzene        | 0.419 | 0.387  |            | -7.64  | 50    |

All other compounds must meet a minimum RRF of 0.010.  
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|---------|--------|----------|
| -----                        |                |      |            |         |        |          |
| Internal Standards           |                |      |            |         |        |          |
| 1) Pentafluorobenzene        | 5.550          | 168  | 129622     | 50.000  | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 232929     | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055         | 117  | 201501     | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 94669      | 50.000  | ug/l   | 0.00     |
|                              |                |      |            |         |        |          |
| System Monitoring Compounds  |                |      |            |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 101649     | 45.721  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 91.440% |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 76704      | 46.085  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 92.180% |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 252602     | 44.028  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 88.060% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 90209      | 46.200  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 92.400% |        |          |
|                              |                |      |            |         |        |          |
| Target Compounds             |                |      |            |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 68775      | 41.882  | ug/l   | 96       |
| 3) Chloromethane             | 1.294          | 50   | 76126      | 44.054  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 80988      | 44.064  | ug/l   | 95       |
| 5) Bromomethane              | 1.593          | 94   | 52561      | 46.486  | ug/l   | 99       |
| 6) Chloroethane              | 1.666          | 64   | 55628      | 49.670  | ug/l   | 95       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 158089     | 48.109  | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 55276      | 46.152  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 68171      | 43.492  | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 87750      | 44.825  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 78482      | 219.930 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 64654      | 43.287  | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 107494     | 285.786 | ug/l   | 98       |
| 14) Allyl chloride           | 2.654          | 41   | 111244     | 45.581  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.068          | 53   | 203086     | 233.535 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 204874     | 200.637 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.502          | 76   | 111407     | 36.160  | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 110130     | 46.313  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.117          | 73   | 250264     | 46.146  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 75327      | 43.471  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 68292      | 44.286  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.763          | 45   | 242444     | 46.457  | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.721          | 43   | 1045717    | 234.240 | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 138967     | 46.159  | ug/l   | 99       |
| 25) 2-Butanone               | 4.568          | 43   | 303762     | 230.549 | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 117669     | 43.277  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 85466      | 44.837  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891          | 49   | 55252      | 41.693  | ug/l   | 96       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 185959     | 230.219 | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 149860     | 46.281  | ug/l   | 96       |
| 31) Cyclohexane              | 5.464          | 56   | 102682     | 41.440  | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 127750     | 45.750  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 93123      | 44.899  | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.715          | 43   | 118849     | 46.163  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 102840     | 44.128  | ug/l   | 100      |
| 39) Methylcyclohexane        | 7.373          | 83   | 109854     | 40.771  | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 289884     | 44.870  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 63345    | 48.072  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 119738   | 46.148  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 188292   | 45.956  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 70853    | 38.741  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 73361    | 46.363  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 57678    | 46.080  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 104474   | 46.539  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 90452    | 46.007  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 34956m   | 998.146 | ug/l   |          |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 606325   | 242.496 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 177758   | 45.970  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 105266   | 45.983  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 114622   | 45.674  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 74228    | 46.503  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 116819   | 46.987  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 125806   | 46.788  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 279354   | 204.586 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 449056   | 238.945 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 74665    | 46.621  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 76038    | 47.112  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 58837    | 44.283  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 195068   | 44.078  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 67421    | 46.975  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 342810   | 45.714  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 256139   | 91.591  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 126387   | 46.288  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 213625   | 47.303  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 44621    | 41.511  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 329562   | 45.287  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 157167   | 46.621  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 115162   | 46.217  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 95452m   | 45.977  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 78615    | 45.286  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 373275   | 45.927  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 228979   | 44.554  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 270335   | 45.154  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 31547    | 41.465  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 263259   | 45.372  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 271471   | 45.748  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 275565   | 46.231  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 329107   | 45.265  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 276004   | 46.734  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 141063   | 44.616  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 142203   | 44.115  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 238553   | 45.814  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 43270    | 43.087  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 143432   | 44.953  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 21456    | 42.974  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 81063    | 43.093  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 32492    | 43.704  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 305240   | 45.077  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 85549    | 44.931  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044022.D  
Acq On : 26 Nov 2024 17:33  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050EC

**Manual Integrations**  
**APPROVED**

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:56:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

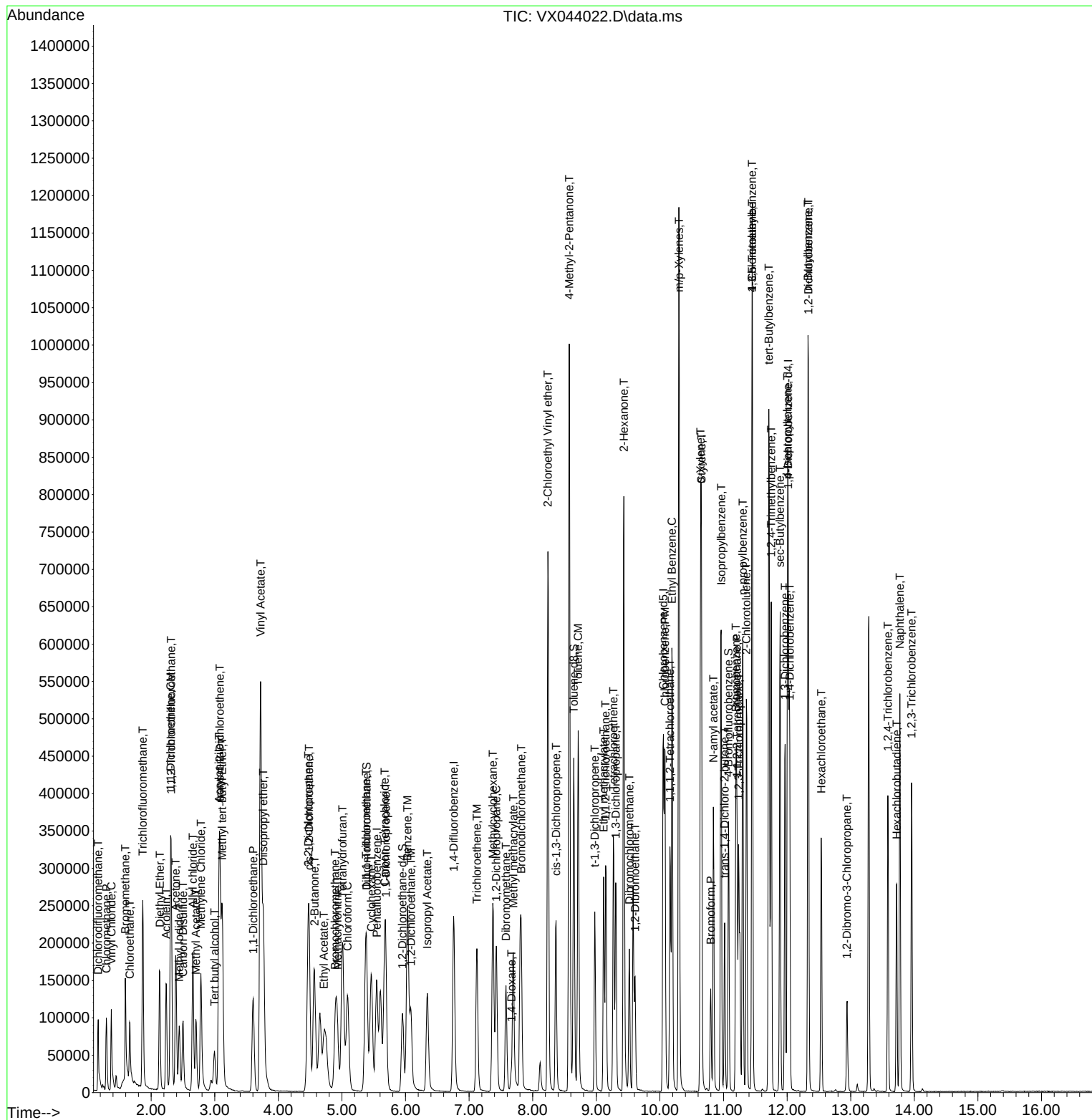
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 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

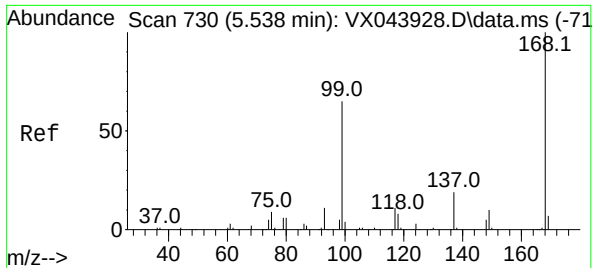
Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

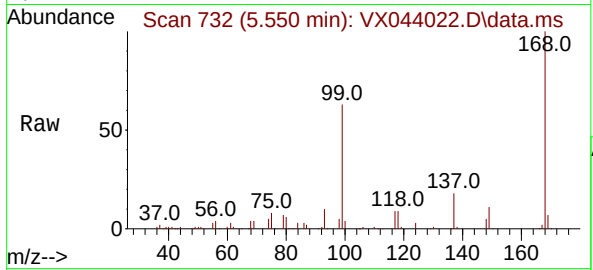






#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 730  
Delta R.T. 0.012 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

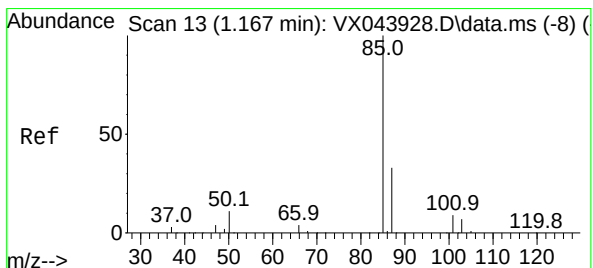
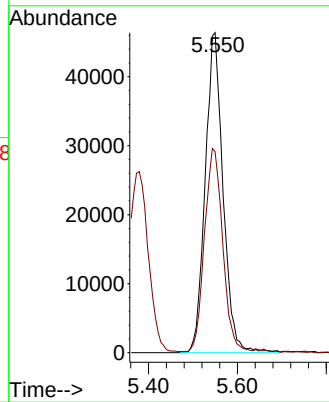
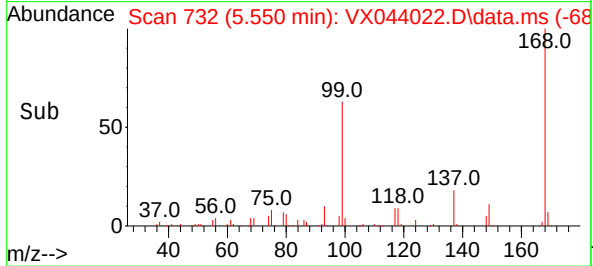
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion:168 Resp: 12962  
Ion Ratio Lower Upper  
168 100  
99 62.7 51.8 77.8

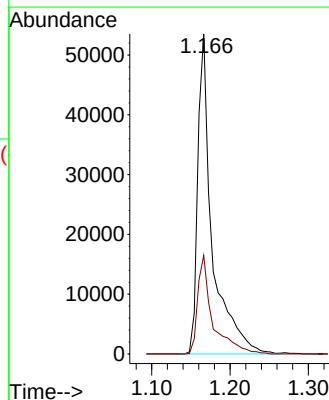
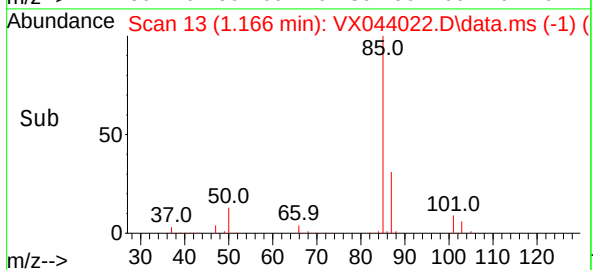
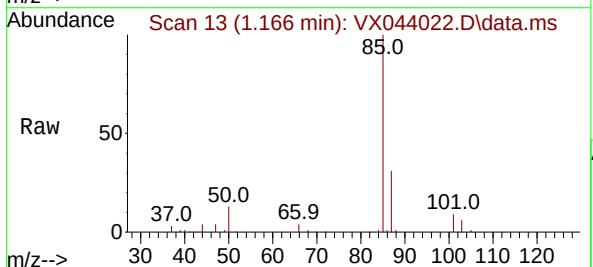
Manual Integrations  
APPROVED

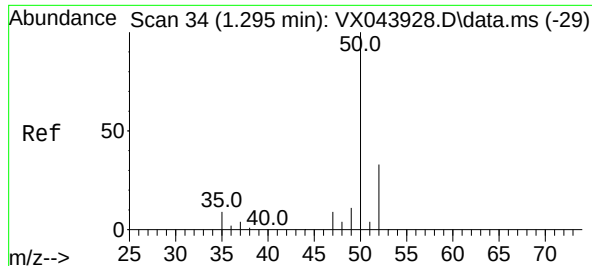
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#2  
Dichlorodifluoromethane  
Concen: 41.882 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 85 Resp: 68775  
Ion Ratio Lower Upper  
85 100  
87 30.8 16.6 49.8





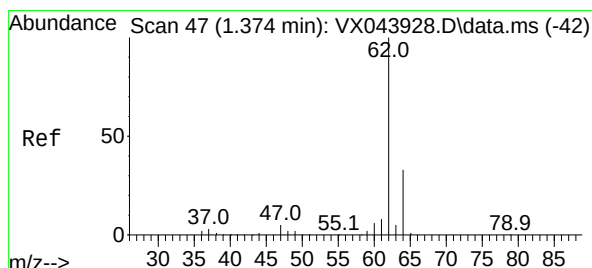
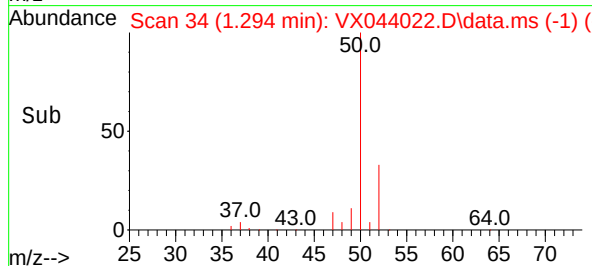
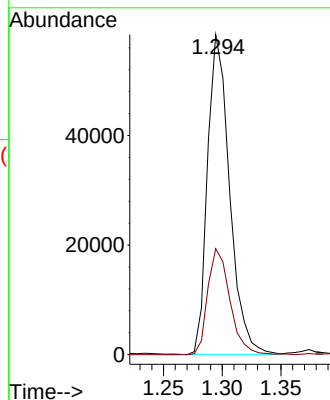
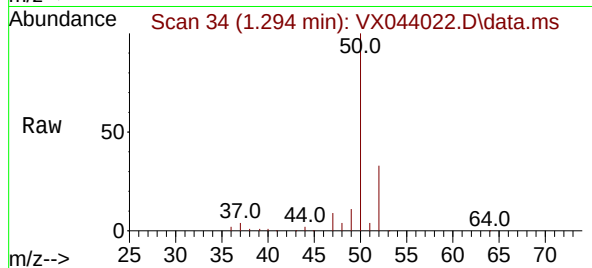
#3  
Chloromethane  
Concen: 44.054 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 50 Resp: 76120  
Ion Ratio Lower Upper  
50 100  
52 33.2 26.1 39.1

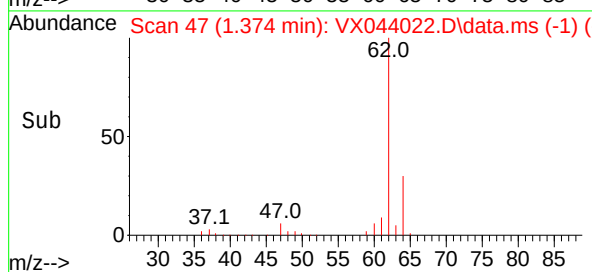
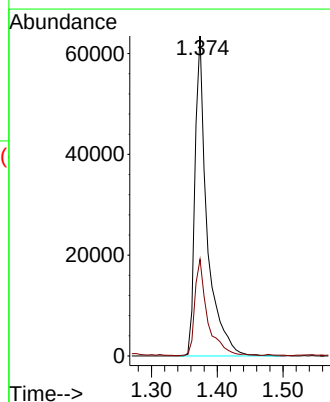
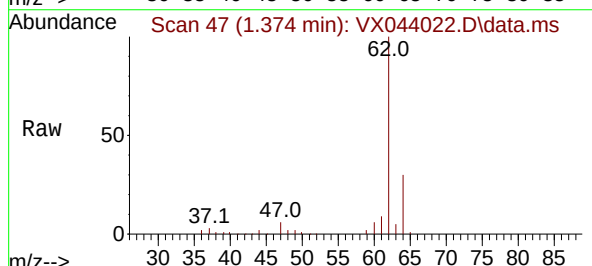
Manual Integrations  
APPROVED

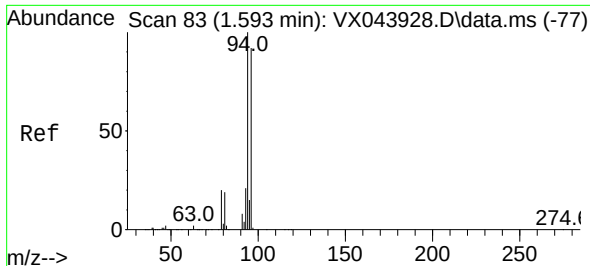
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#4  
Vinyl Chloride  
Concen: 44.064 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 62 Resp: 80988  
Ion Ratio Lower Upper  
62 100  
64 30.0 26.2 39.4





#5

Bromomethane

Concen: 46.486 ug/l

RT: 1.593 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 5256

Ion Ratio Lower Upper

94 100

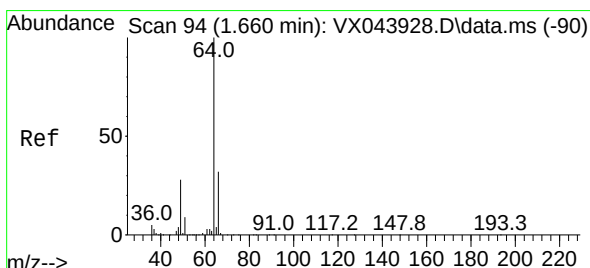
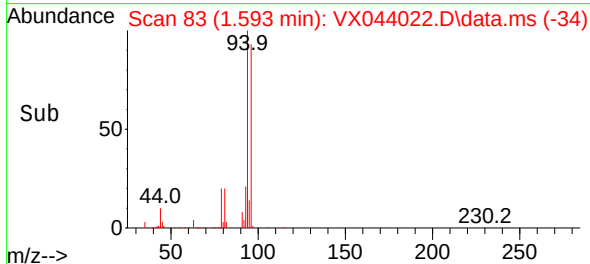
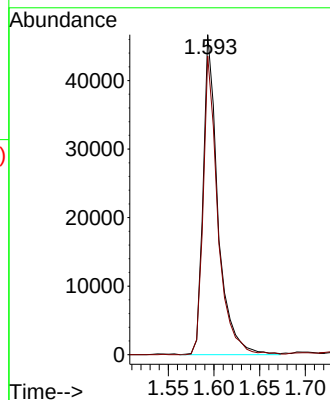
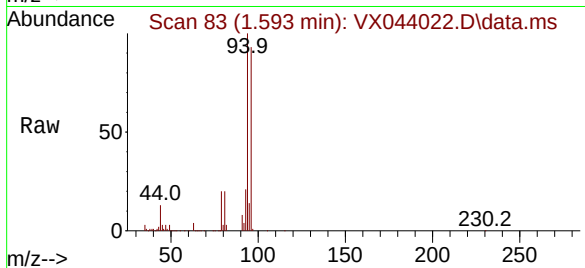
96 93.3 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#6

Chloroethane

Concen: 49.670 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044022.D

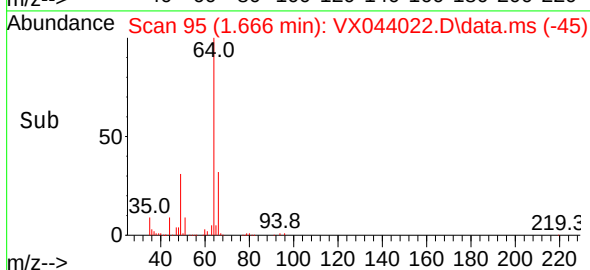
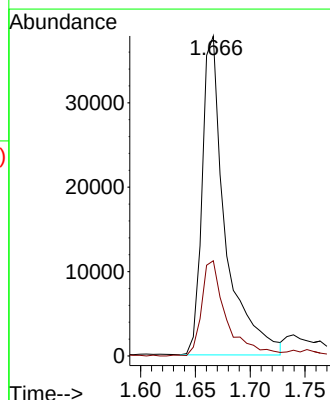
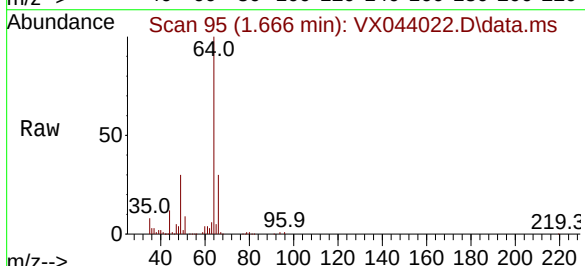
Acq: 26 Nov 2024 17:33

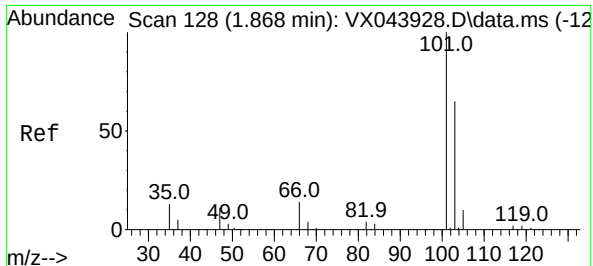
Tgt Ion: 64 Resp: 55628

Ion Ratio Lower Upper

64 100

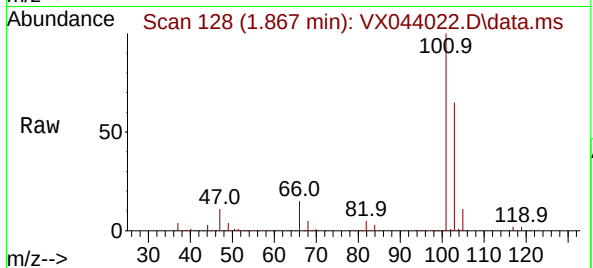
66 29.6 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 48.109 ug/l  
RT: 1.867 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

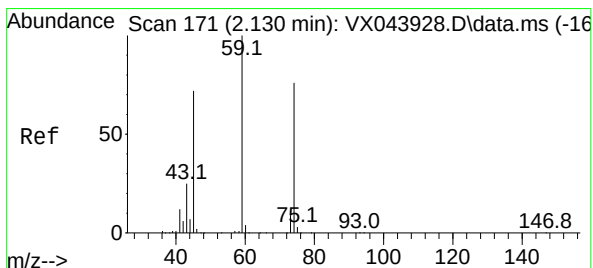
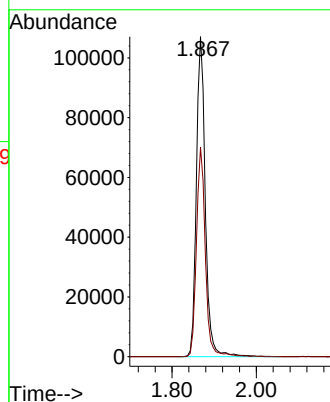
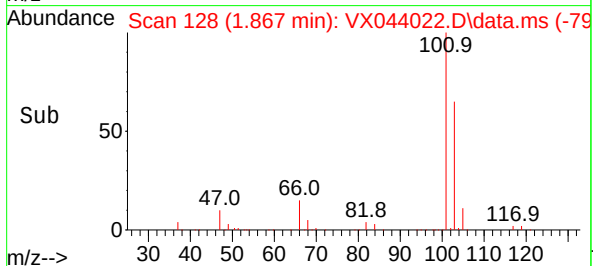
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion:101 Resp: 158089  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.2 78.2

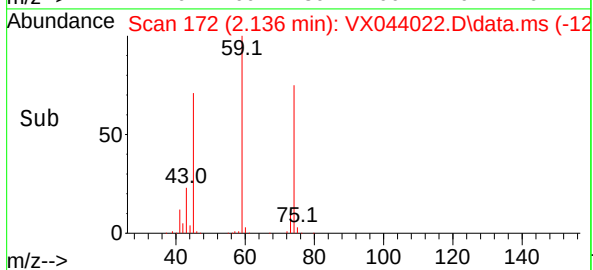
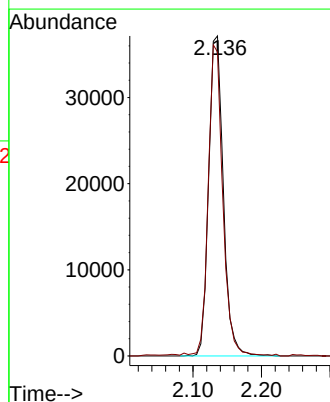
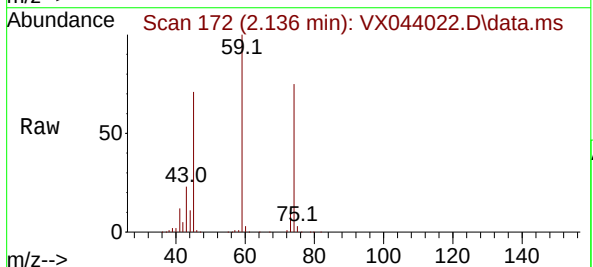
Manual Integrations  
**APPROVED**

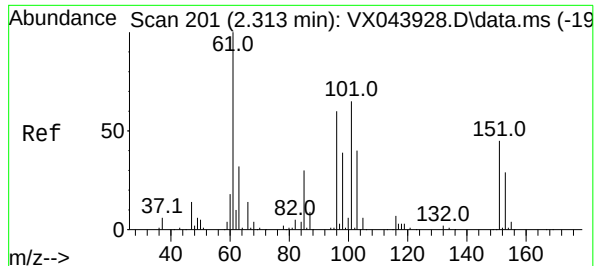
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#8  
Diethyl Ether  
Concen: 46.152 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 74 Resp: 55276  
Ion Ratio Lower Upper  
74 100  
45 97.3 47.9 143.6





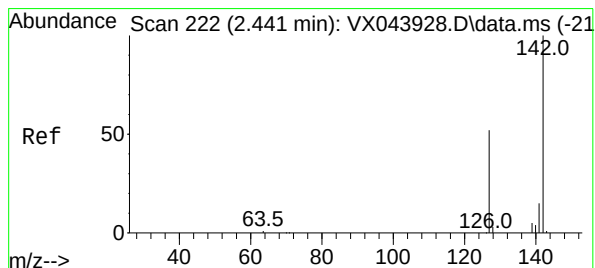
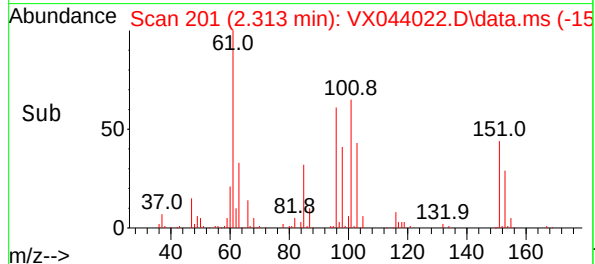
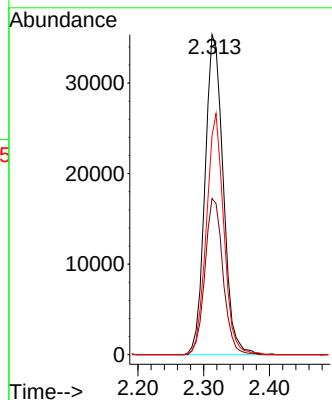
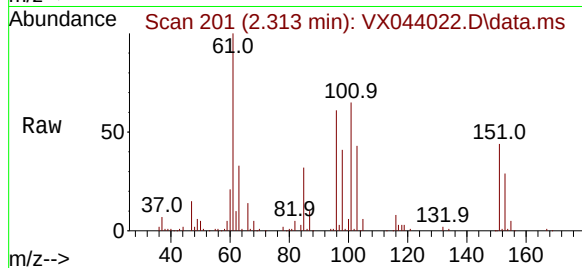
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 43.492 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 6817  
Ion Ratio Lower Upper  
101 100  
85 48.3 37.9 56.9  
151 71.9 57.5 86.3

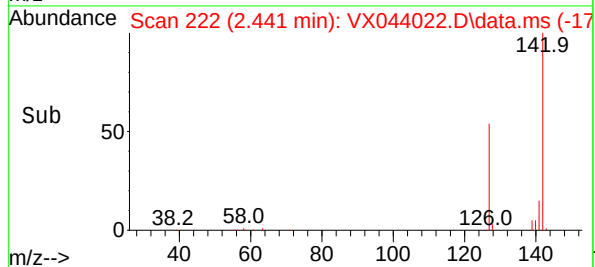
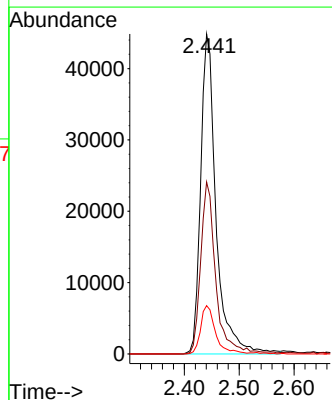
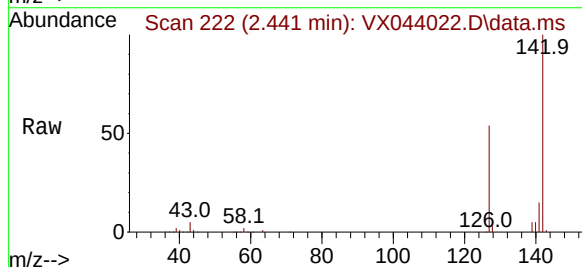
Manual Integrations  
**APPROVED**

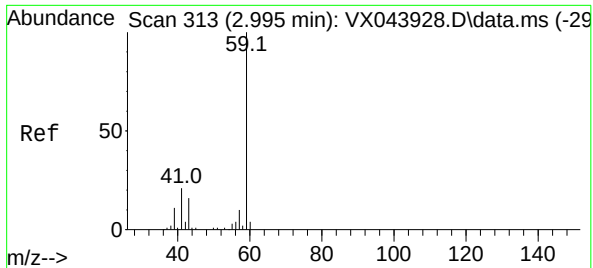
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#10  
Methyl Iodide  
Concen: 44.825 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:142 Resp: 87750  
Ion Ratio Lower Upper  
142 100  
127 52.8 40.7 61.1  
141 14.6 12.0 18.0





#11

Tert butyl alcohol

Concen: 219.930 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 59 Resp: 78482

Ion Ratio Lower Upper

59 100

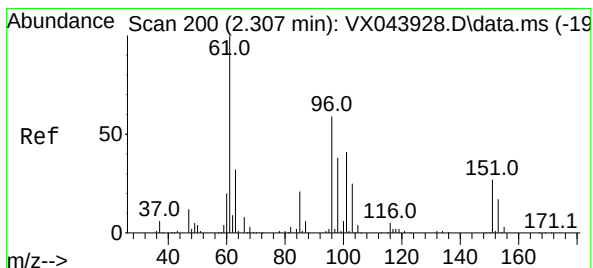
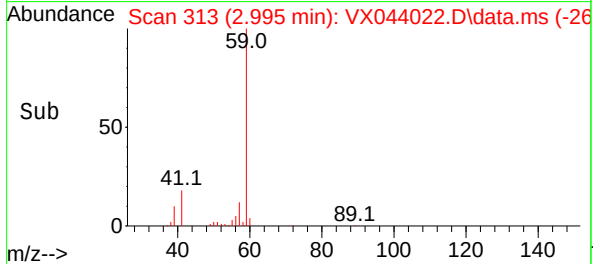
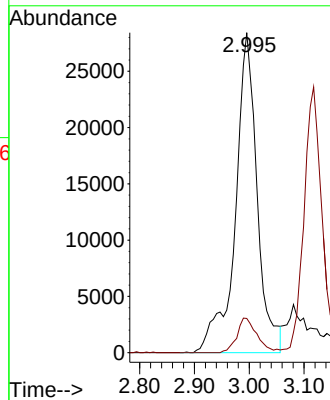
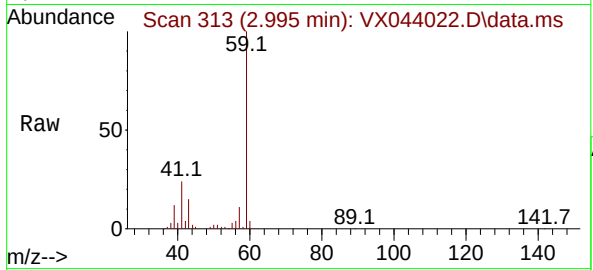
57 10.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#12

1,1-Dichloroethene

Concen: 43.287 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

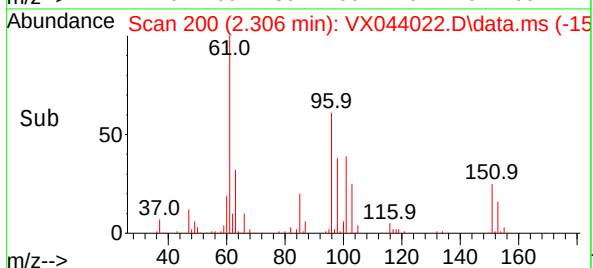
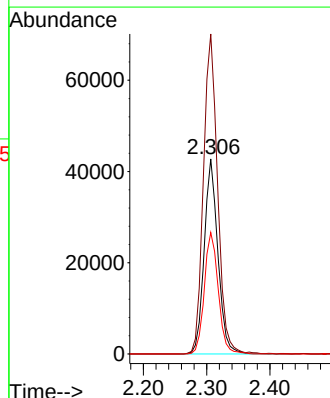
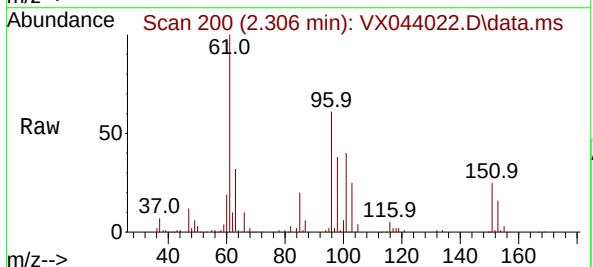
Tgt Ion: 96 Resp: 64654

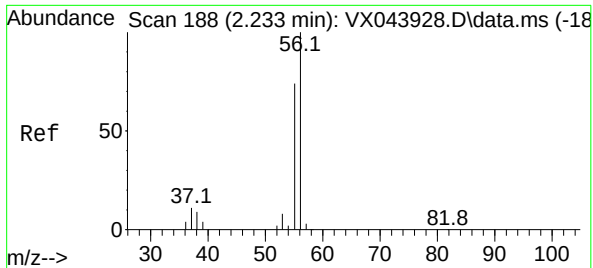
Ion Ratio Lower Upper

96 100

61 164.1 135.5 203.3

98 62.3 50.8 76.2





#13

Acrolein

Concen: 285.786 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 107494

Ion Ratio Lower Upper

56 100

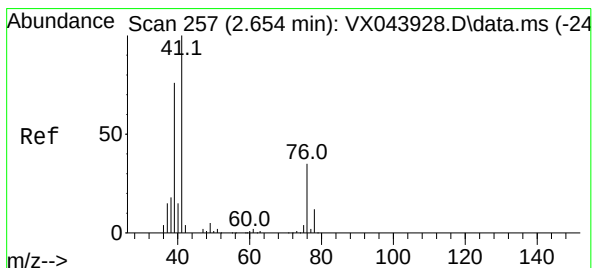
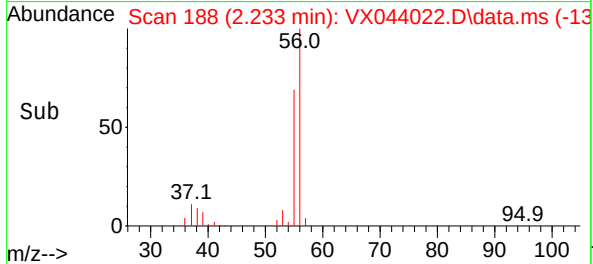
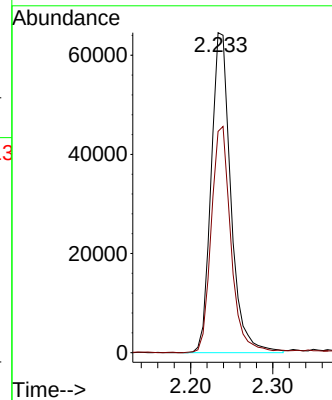
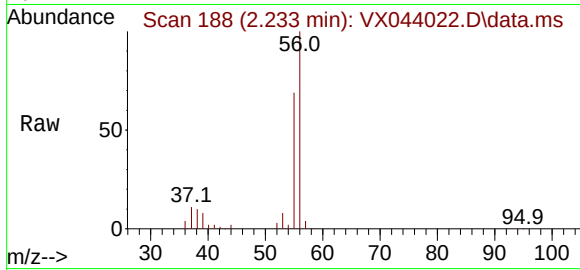
55 71.0 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#14

Allyl chloride

Concen: 45.581 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

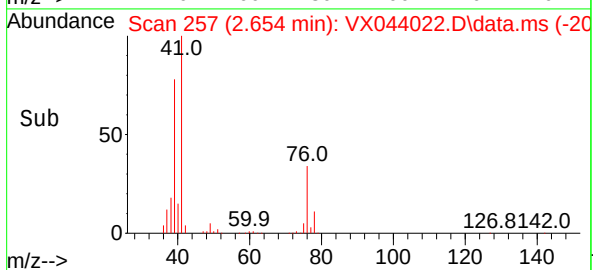
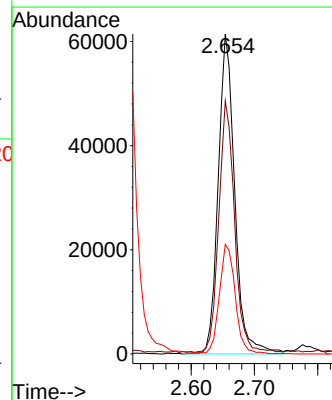
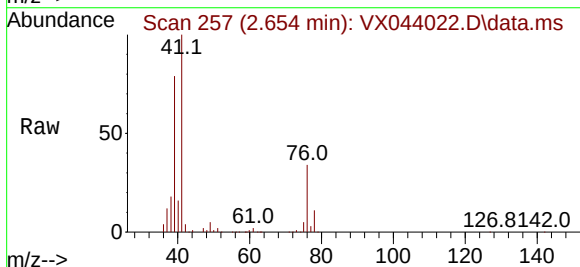
Tgt Ion: 41 Resp: 111244

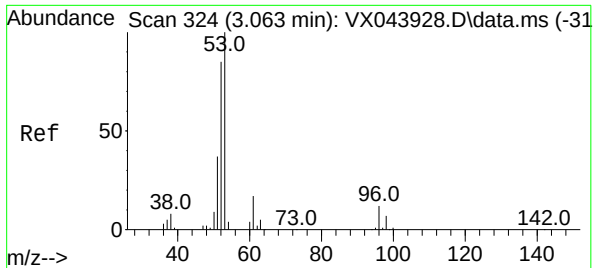
Ion Ratio Lower Upper

41 100

39 74.8 59.5 89.3

76 32.4 27.4 41.2





#15

Acrylonitrile

Concen: 233.535 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 53 Resp: 203080

Ion Ratio Lower Upper

53 100

52 83.9 66.5 99.7

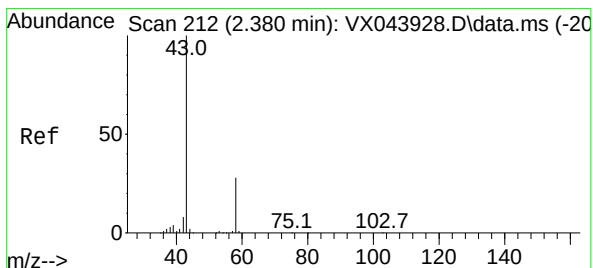
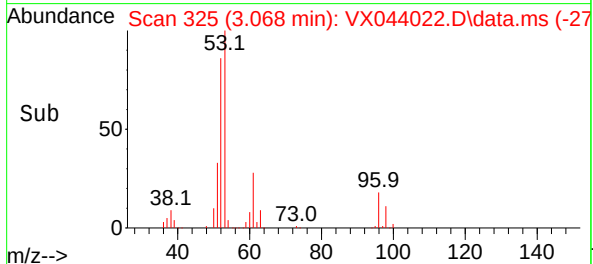
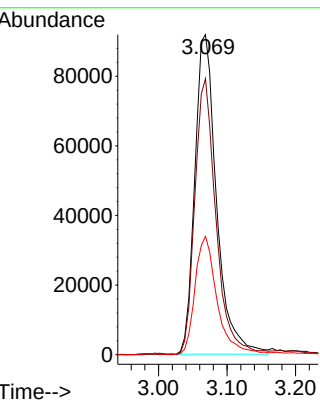
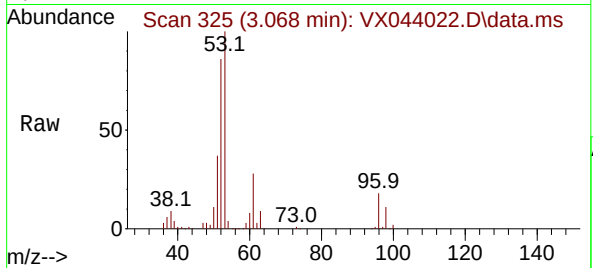
51 37.6 30.2 45.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#16

Acetone

Concen: 200.637 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044022.D

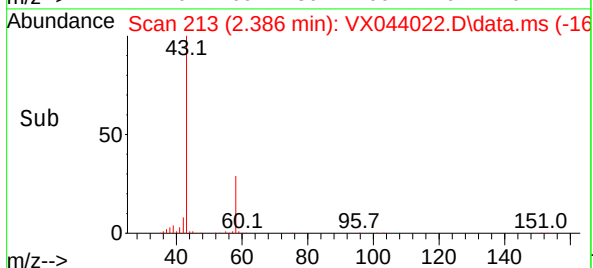
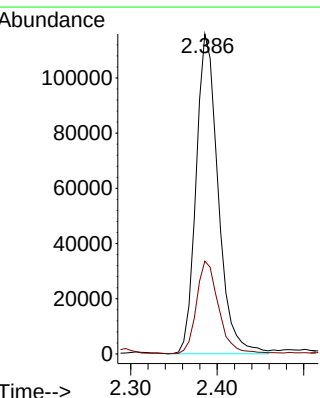
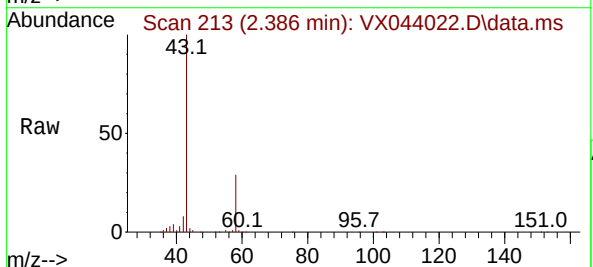
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 204874

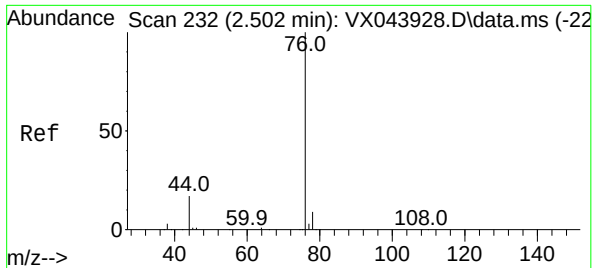
Ion Ratio Lower Upper

43 100

58 28.9 22.7 34.1







#17

Carbon Disulfide

Concen: 36.160 ug/l

RT: 2.502 min Scan# 241

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 11140

Ion Ratio Lower Upper

76 100

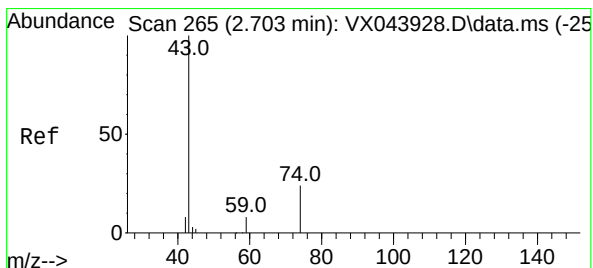
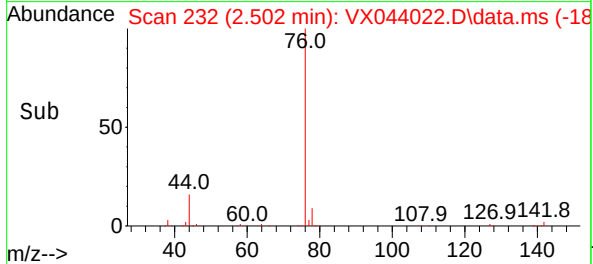
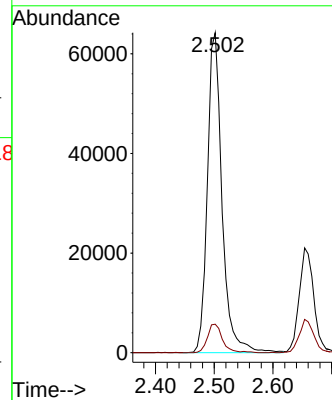
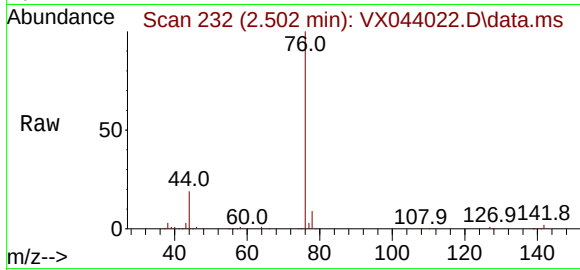
78 8.9 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#18

Methyl Acetate

Concen: 46.313 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX044022.D

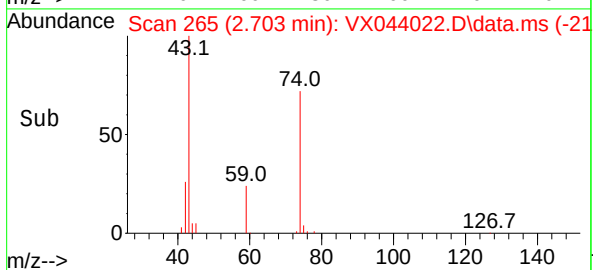
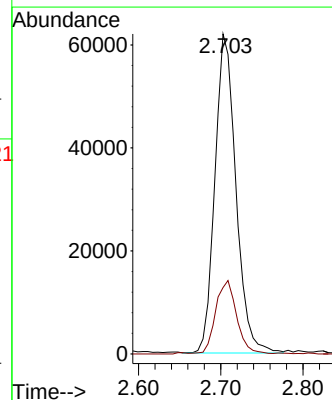
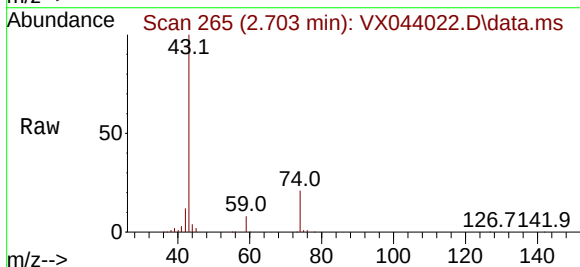
Acq: 26 Nov 2024 17:33

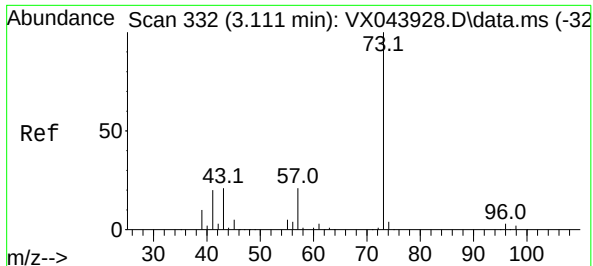
Tgt Ion: 43 Resp: 110130

Ion Ratio Lower Upper

43 100

74 22.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 46.146 ug/l

RT: 3.117 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 73 Resp: 250264

Ion Ratio Lower Upper

73 100

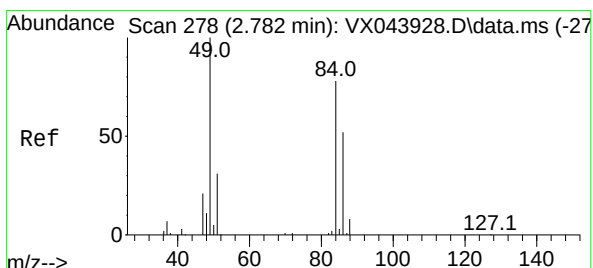
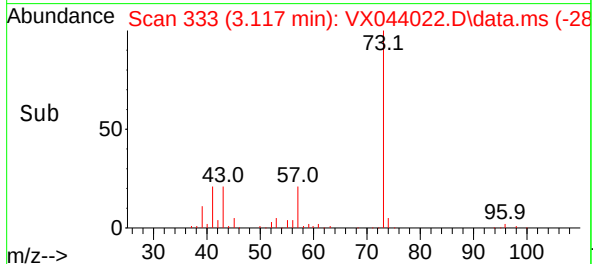
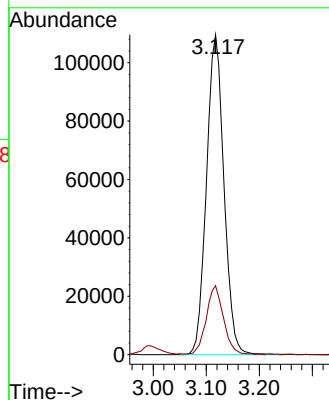
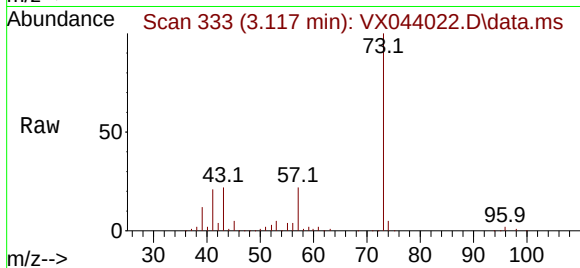
57 21.4 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#20

Methylene Chloride

Concen: 43.471 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Tgt Ion: 84 Resp: 75327

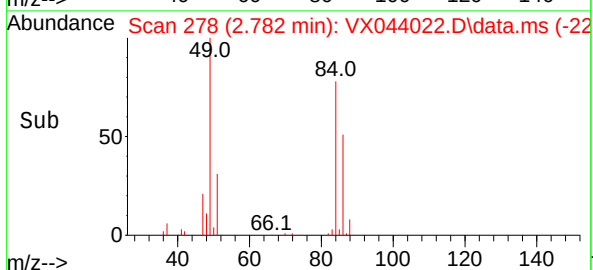
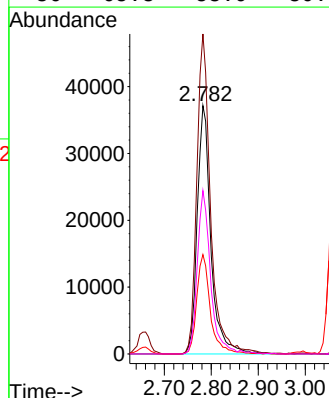
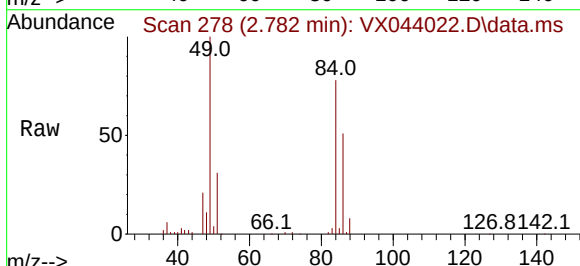
Ion Ratio Lower Upper

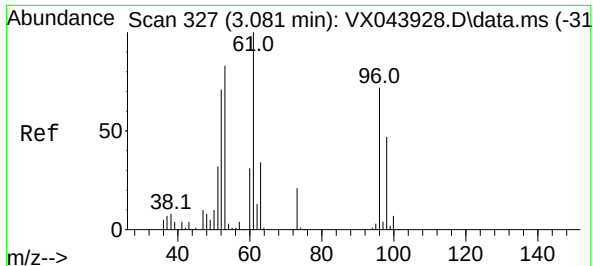
84 100

49 128.9 102.7 154.1

51 40.0 31.7 47.5

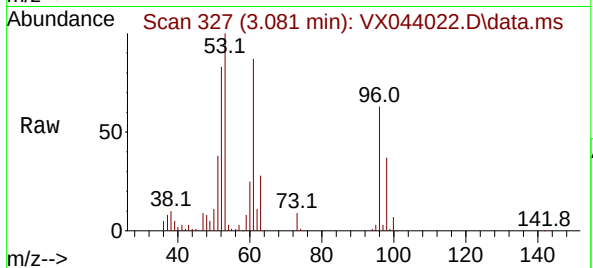
86 65.8 53.9 80.9





#21  
trans-1,2-Dichloroethene  
Concen: 44.286 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

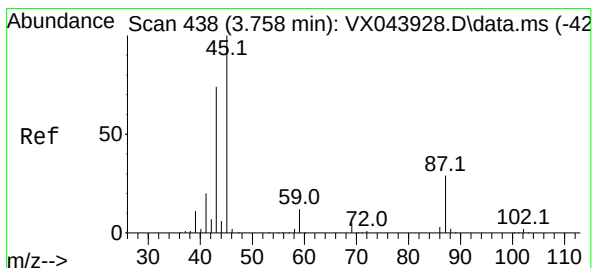
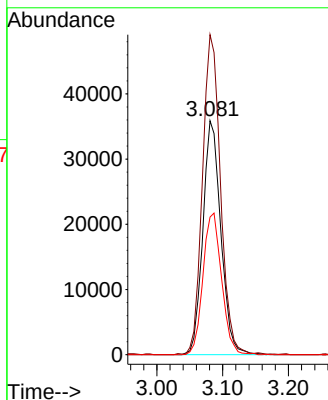
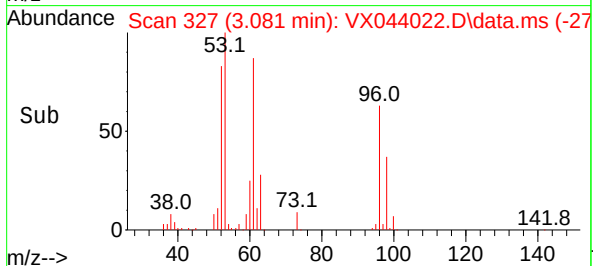
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion: 96 Resp: 68292  
Ion Ratio Lower Upper  
96 100  
61 136.7 111.8 167.6  
98 58.8 52.7 79.1

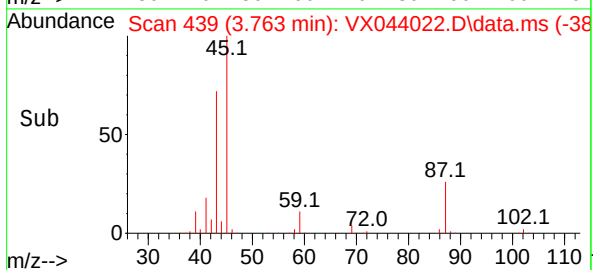
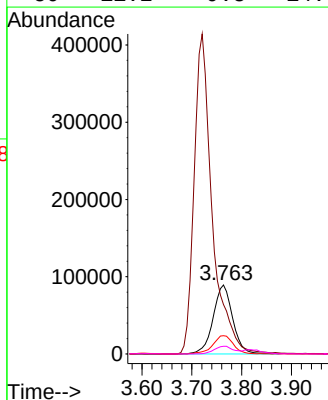
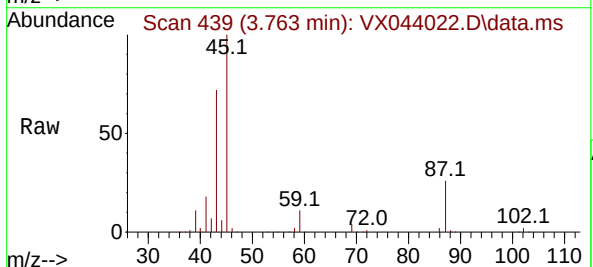
Manual Integrations  
APPROVED

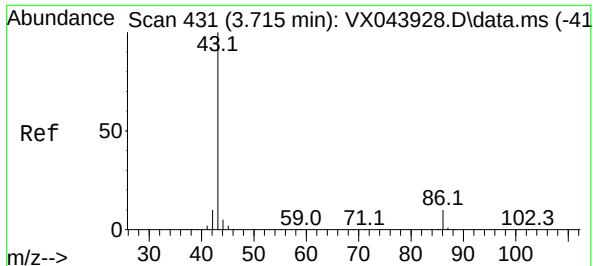
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#22  
Diisopropyl ether  
Concen: 46.457 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 45 Resp: 242444  
Ion Ratio Lower Upper  
45 100  
43 71.5 59.6 89.4  
87 26.5 22.9 34.3  
59 11.2 9.8 14.6





#23

Vinyl Acetate

Concen: 234.240 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 104571

Ion Ratio Lower Upper

43 100

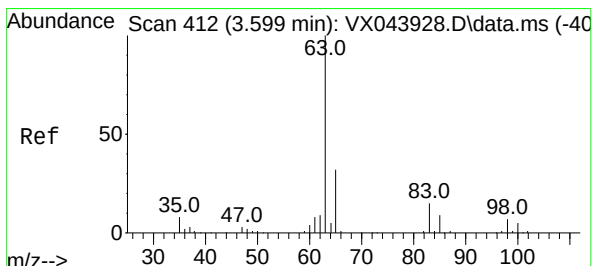
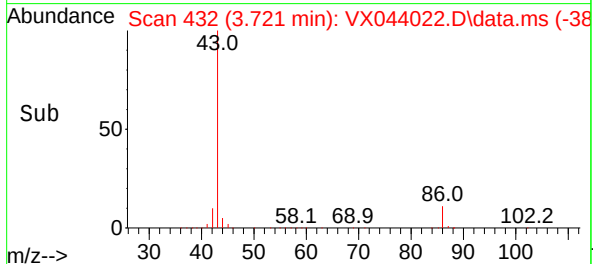
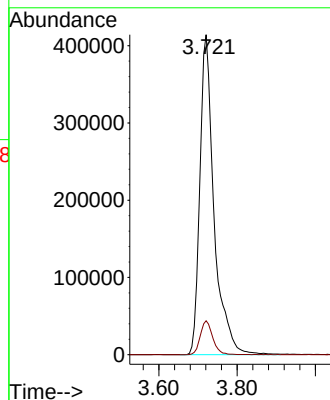
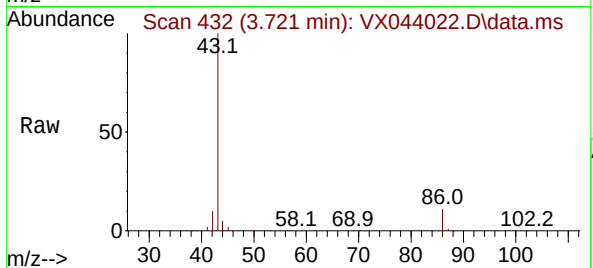
86 10.6 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#24

1,1-Dichloroethane

Concen: 46.159 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

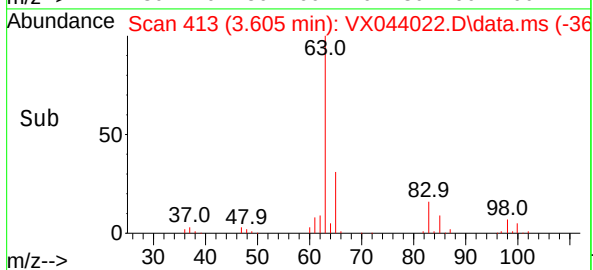
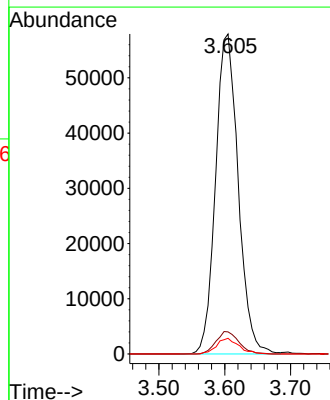
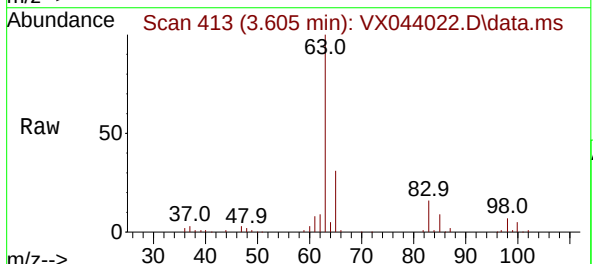
Tgt Ion: 63 Resp: 138967

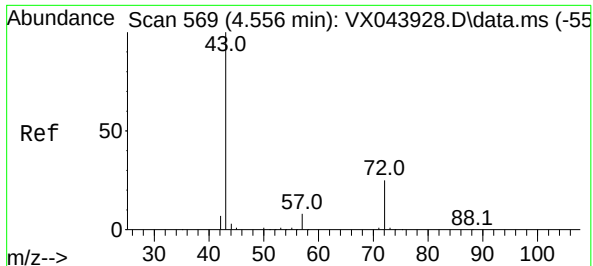
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 230.549 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 303762

Ion Ratio Lower Upper

43 100

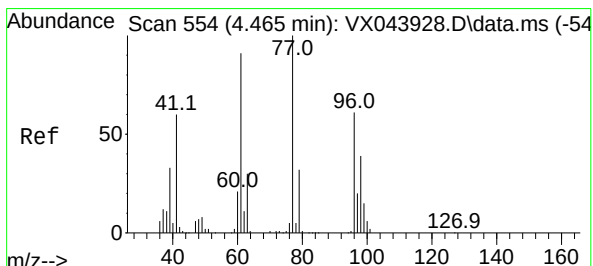
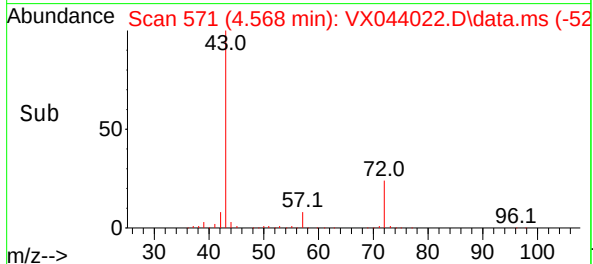
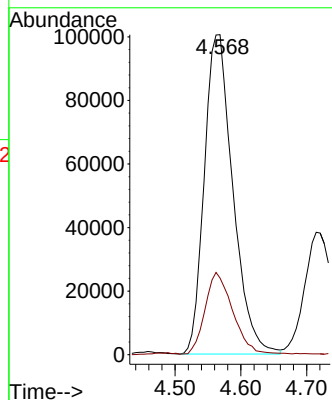
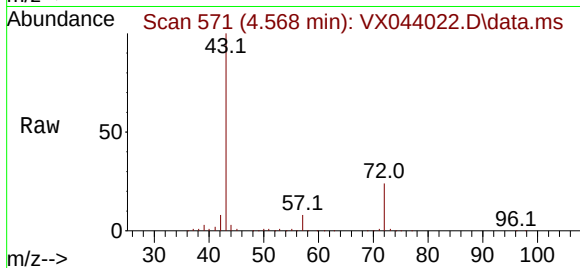
72 23.9 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#26

2,2-Dichloropropane

Concen: 43.277 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX044022.D

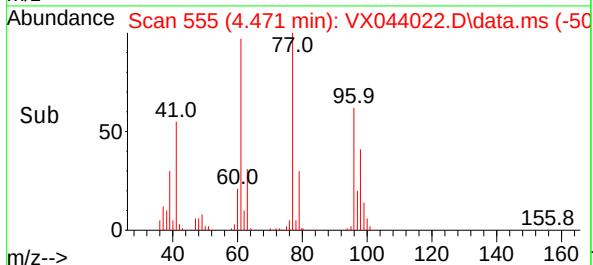
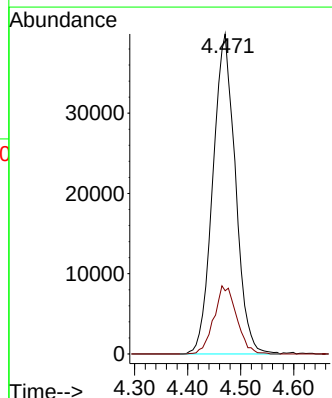
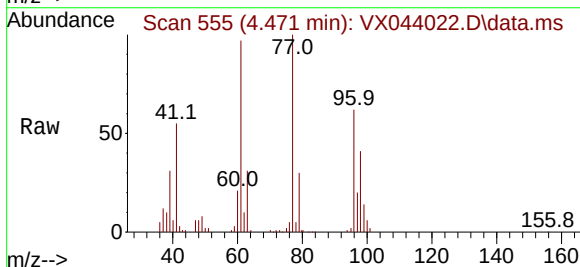
Acq: 26 Nov 2024 17:33

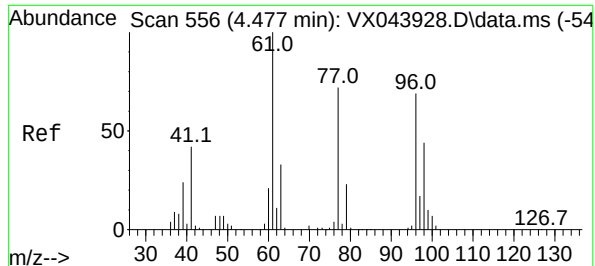
Tgt Ion: 77 Resp: 117669

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 44.837 ug/l

RT: 4.483 min Scan# 556

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 96 Resp: 8546

Ion Ratio Lower Upper

96 100

61 152.3 0.0 297.4

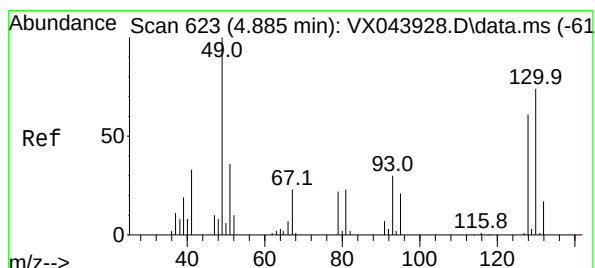
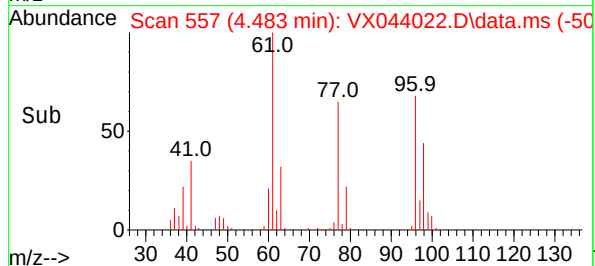
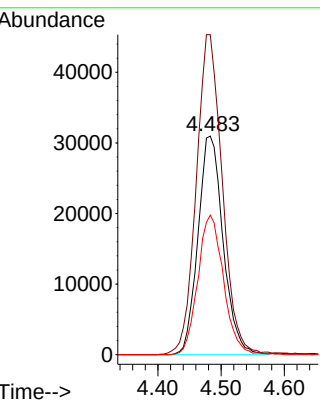
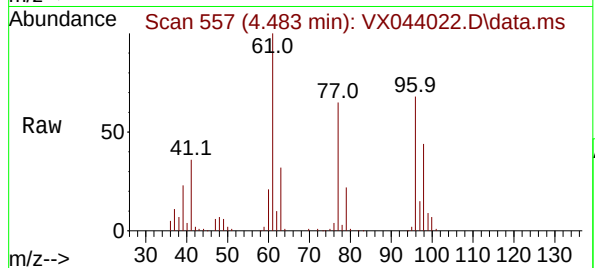
98 65.1 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#28

Bromochloromethane

Concen: 41.693 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

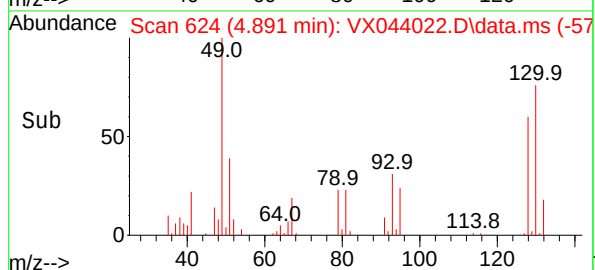
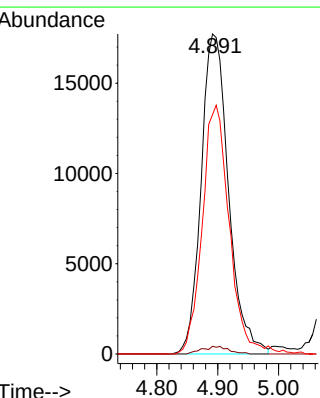
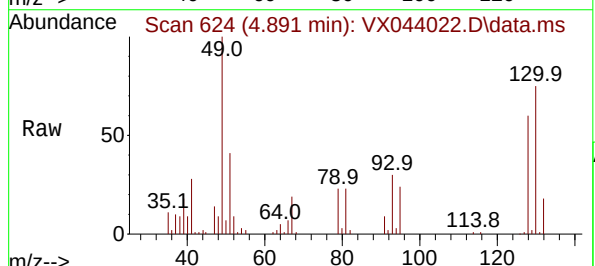
Tgt Ion: 49 Resp: 55252

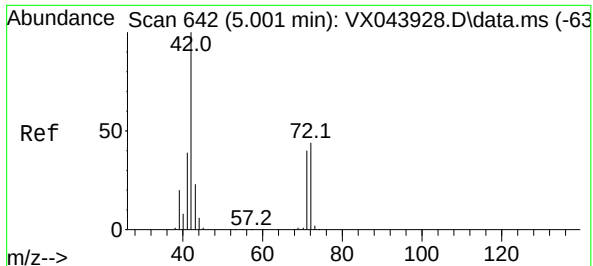
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

130 77.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 230.219 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 42 Resp: 18595

Ion Ratio Lower Upper

42 100

72 46.2 36.4 54.6

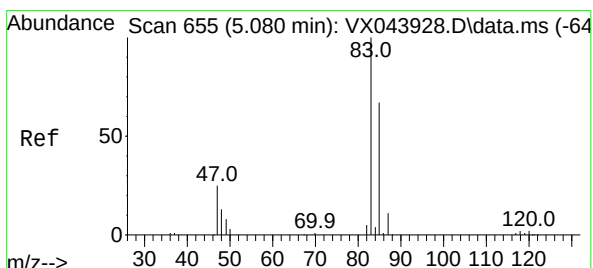
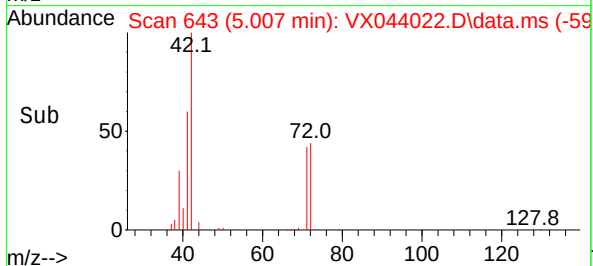
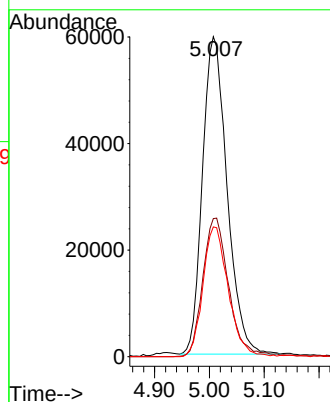
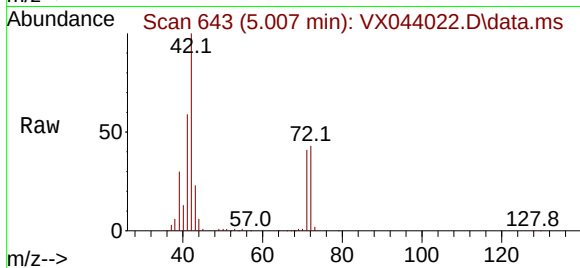
71 42.0 33.4 50.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#30

Chloroform

Concen: 46.281 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044022.D

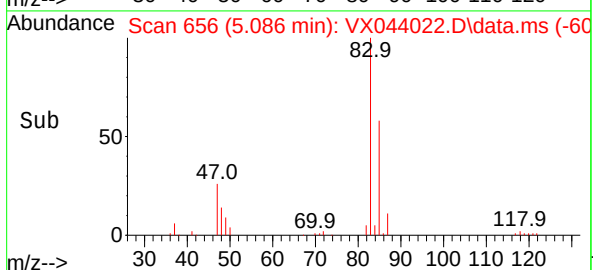
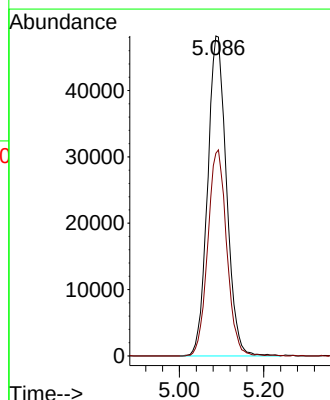
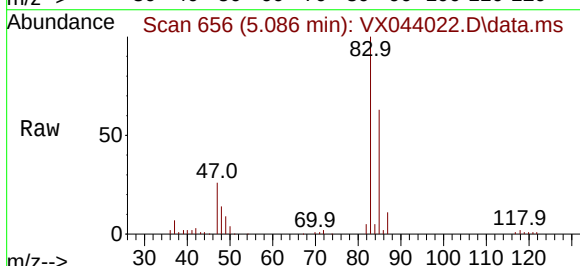
Acq: 26 Nov 2024 17:33

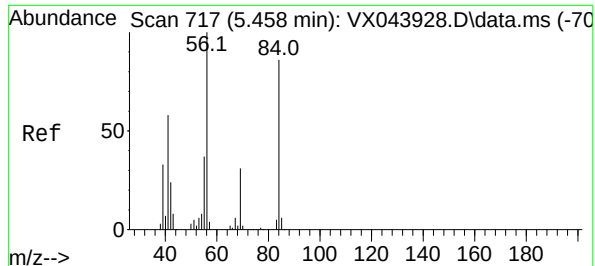
Tgt Ion: 83 Resp: 149860

Ion Ratio Lower Upper

83 100

85 63.3 53.5 80.3





#31

Cyclohexane

Concen: 41.440 ug/l

RT: 5.464 min Scan# 718

Delta R.T. 0.006 min

Lab File: VX044022.D

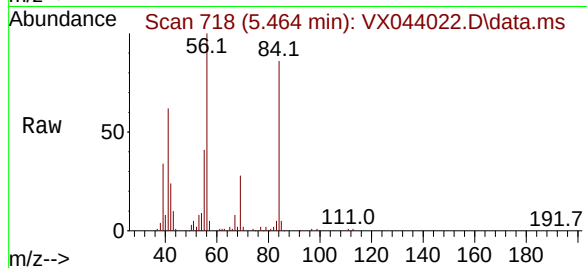
Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC



Tgt Ion: 56 Resp: 10268

Ion Ratio Lower Upper

56 100

69 27.6 24.7 37.1

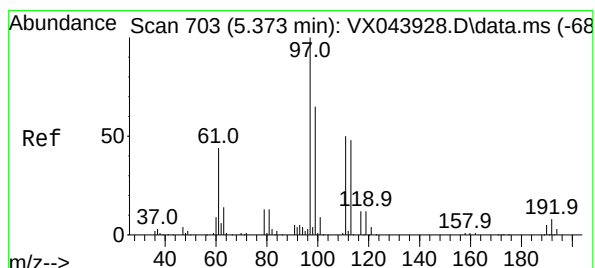
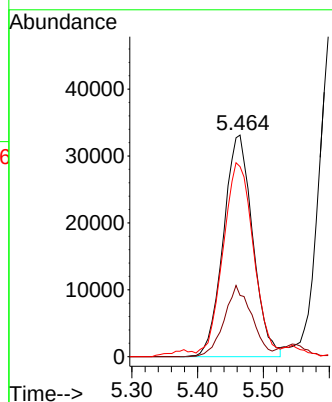
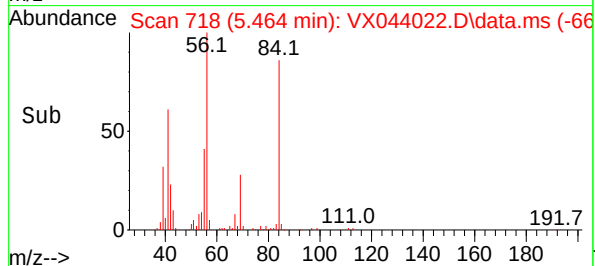
84 83.3 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#32

1,1,1-Trichloroethane

Concen: 45.750 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

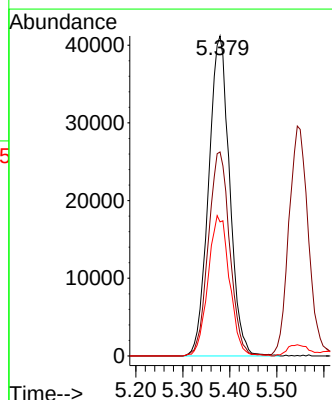
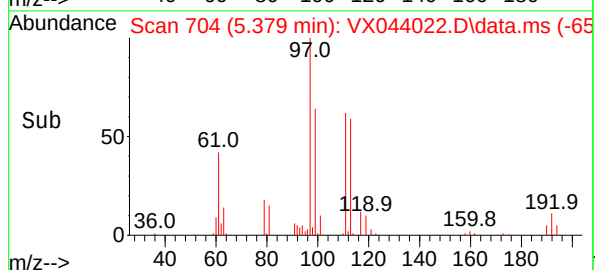
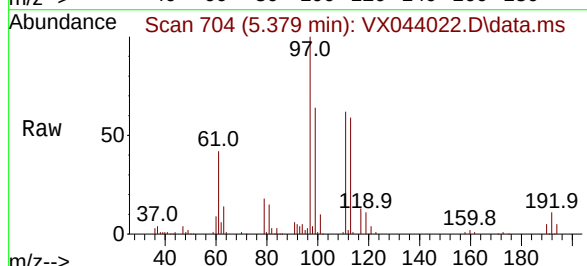
Tgt Ion: 97 Resp: 127750

Ion Ratio Lower Upper

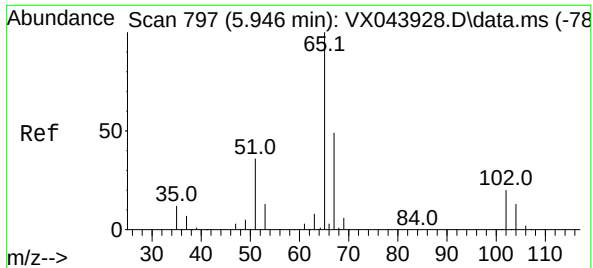
97 100

99 65.0 50.8 76.2

61 45.0 35.4 53.2







#33

1,2-Dichloroethane-d4

Concen: 45.721 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 101649

Ion Ratio Lower Upper

65 100

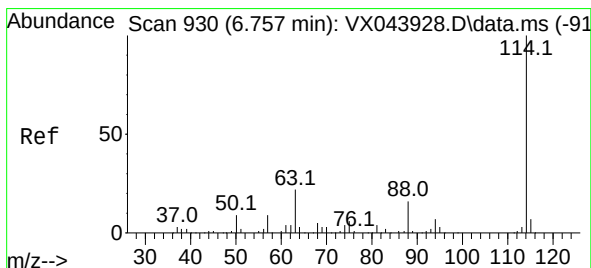
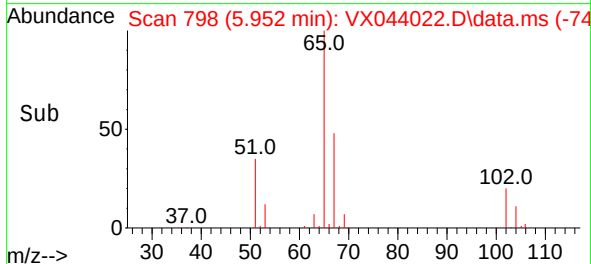
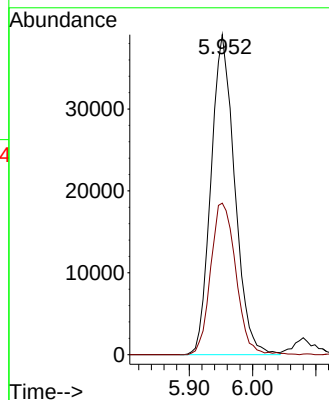
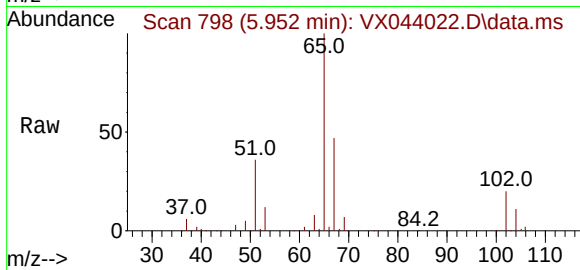
67 50.4 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

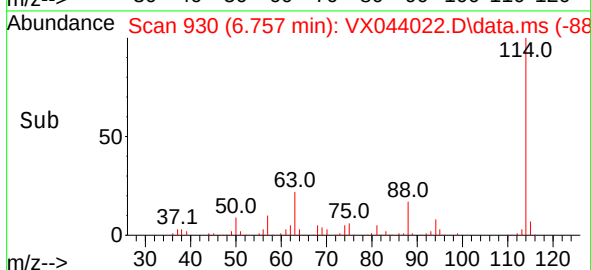
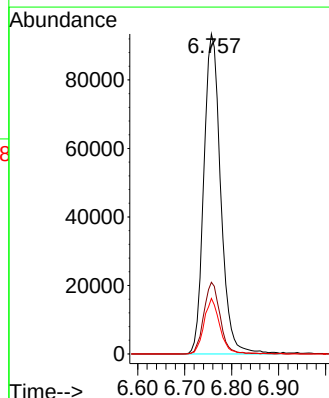
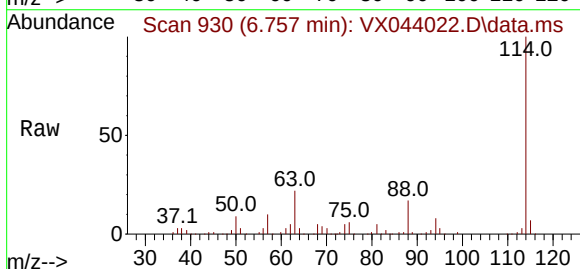
Tgt Ion:114 Resp: 232929

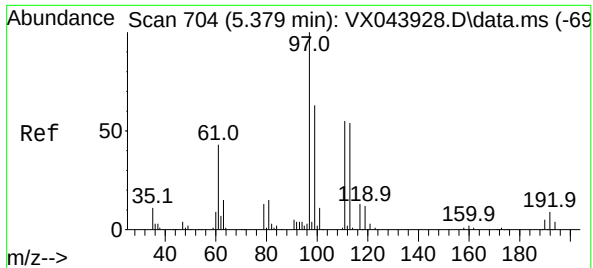
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.0

88 17.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 46.085 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

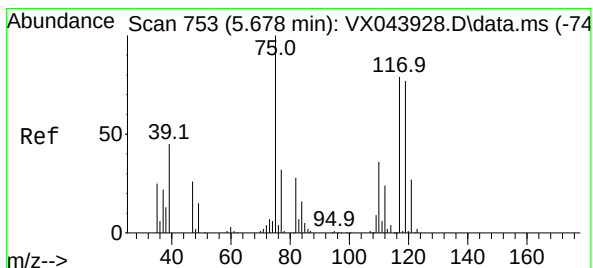
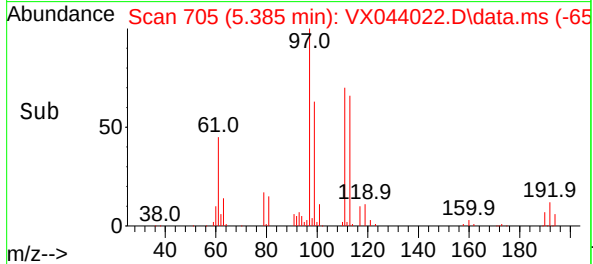
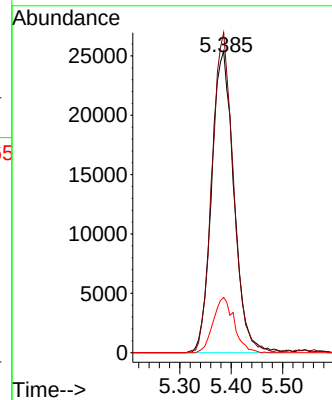
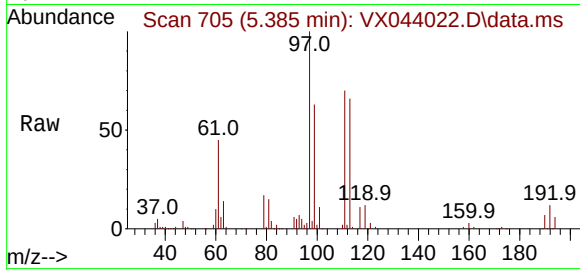
VSTDCCC050EC

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 76704 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.7 | 81.0  | 121.4 |
| 192      | 17.2  | 13.0  | 19.6  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#36

1,1-Dichloropropene

Concen: 44.899 ug/l

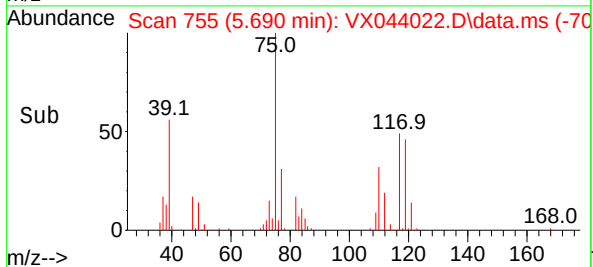
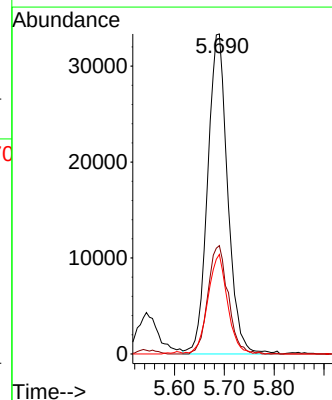
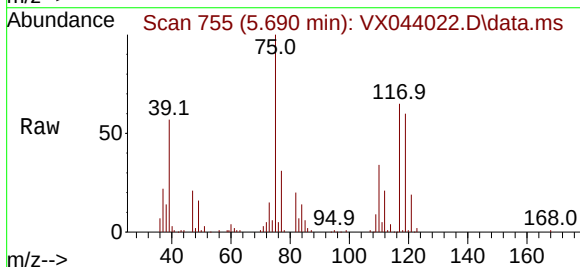
RT: 5.690 min Scan# 755

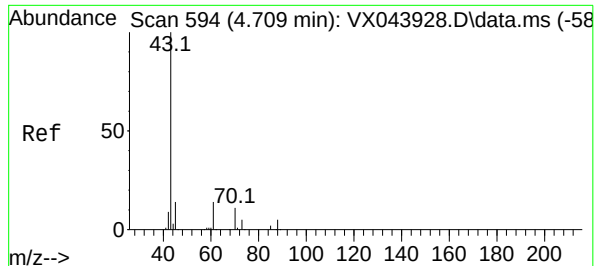
Delta R.T. 0.012 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 93123 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 34.2  | 17.4  | 52.2  |
| 77       | 30.5  | 25.8  | 38.8  |





#37

Ethyl Acetate

Concen: 46.163 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 118849

Ion Ratio Lower Upper

43 100

61 13.0 10.7 16.1

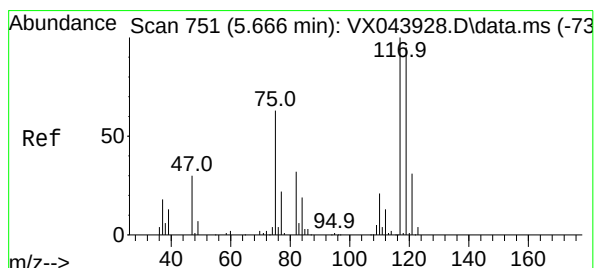
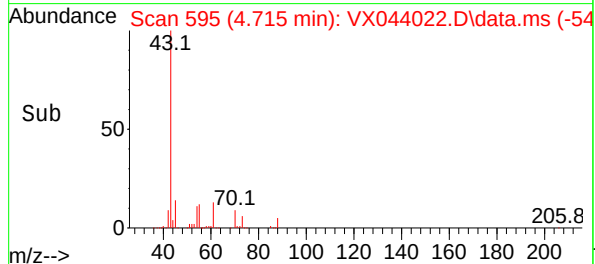
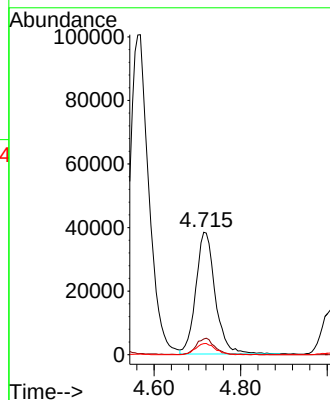
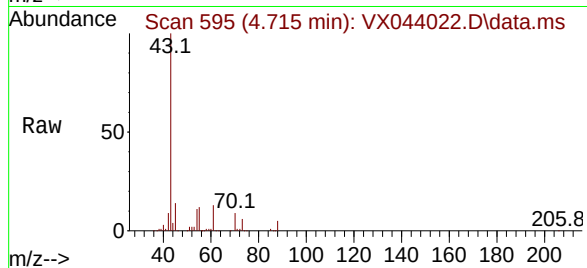
70 9.3 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#38

Carbon Tetrachloride

Concen: 44.128 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

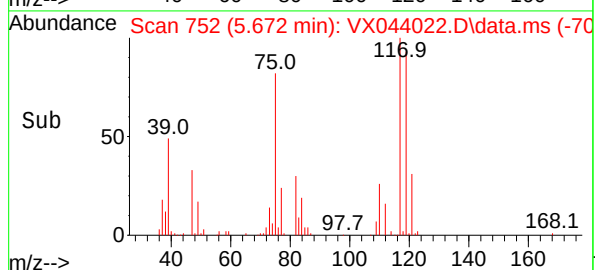
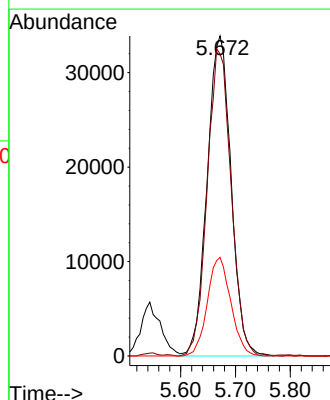
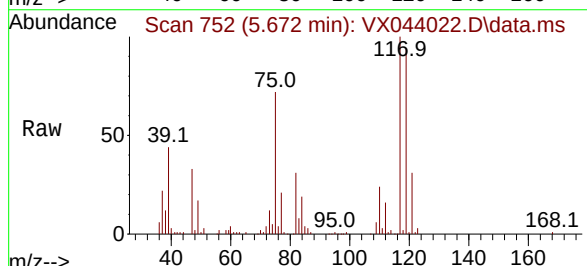
Tgt Ion:117 Resp: 102840

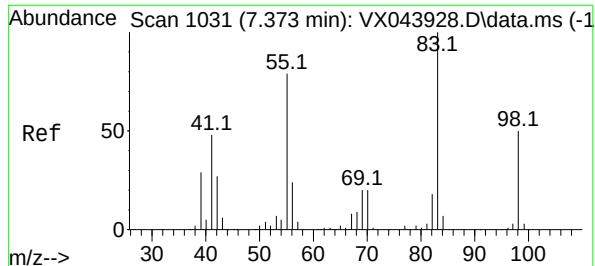
Ion Ratio Lower Upper

117 100

119 94.4 75.2 112.8

121 30.8 24.5 36.7





#39

Methylcyclohexane

Concen: 40.771 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 109854

Ion Ratio Lower Upper

83 100

55 80.0 63.1 94.7

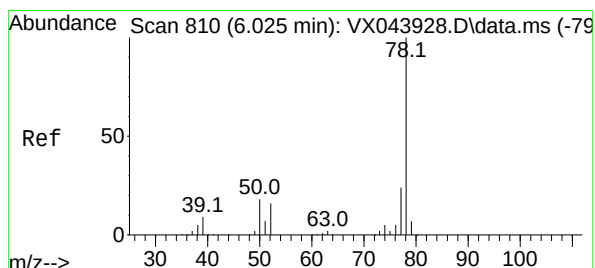
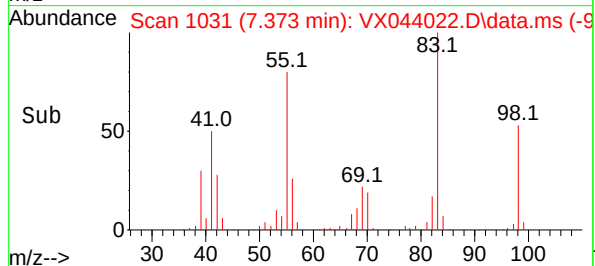
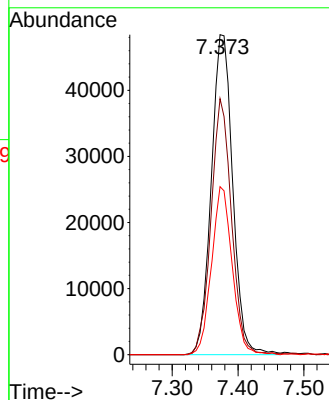
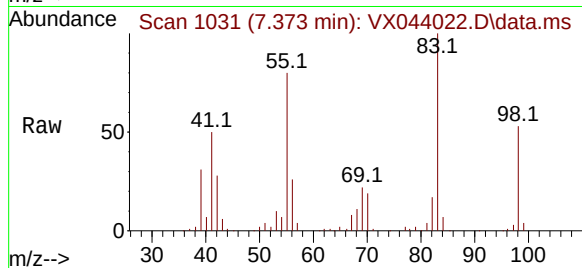
98 52.5 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#40

Benzene

Concen: 44.870 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044022.D

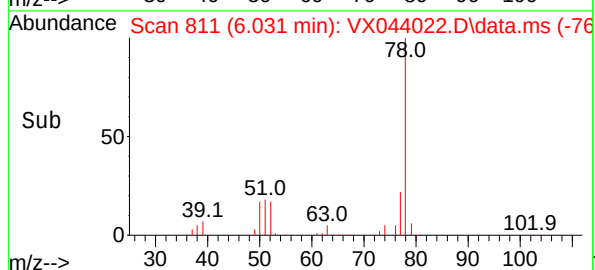
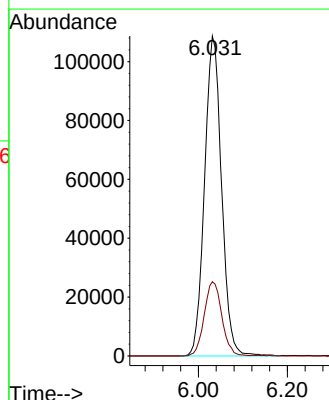
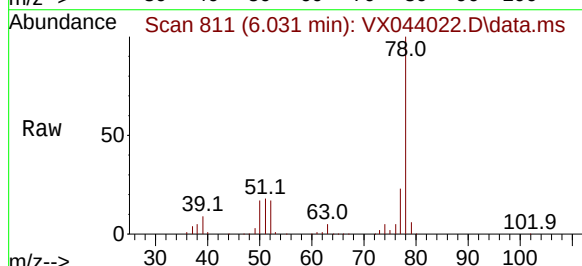
Acq: 26 Nov 2024 17:33

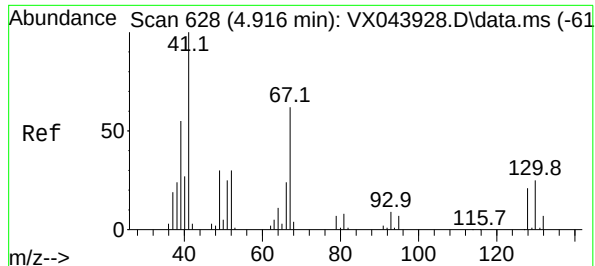
Tgt Ion: 78 Resp: 289884

Ion Ratio Lower Upper

78 100

77 23.2 19.2 28.8





#41

Methacrylonitrile

Concen: 48.072 ug/l

RT: 4.928 min Scan# 60

Delta R.T. 0.012 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 6334

Ion Ratio Lower Upper

41 100

39 54.8 41.7 62.5

67 68.7 55.8 83.8

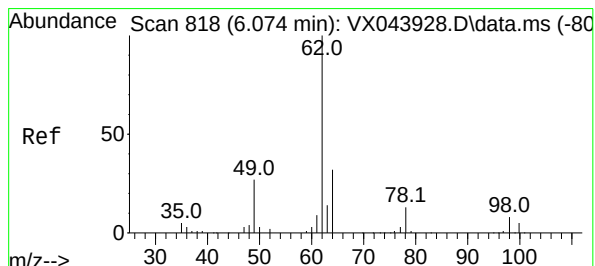
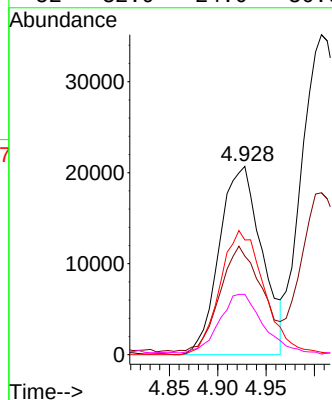
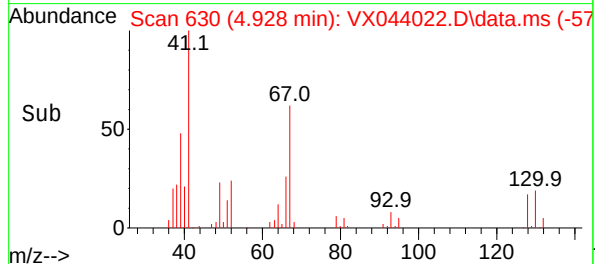
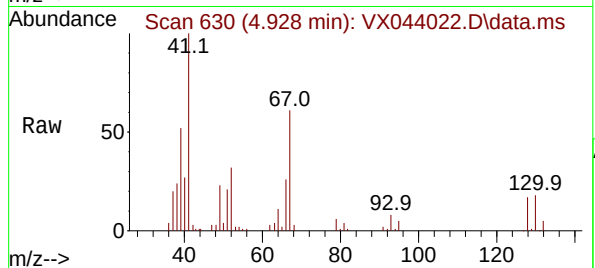
52 32.9 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#42

1,2-Dichloroethane

Concen: 46.148 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.012 min

Lab File: VX044022.D

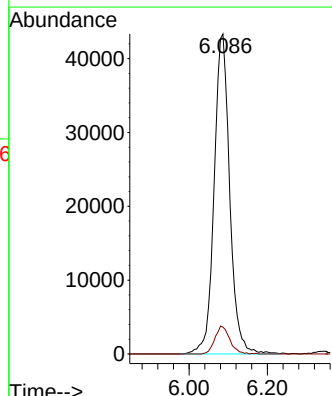
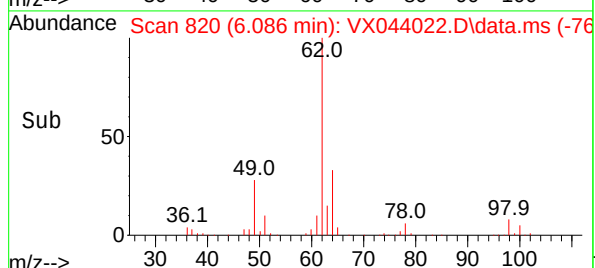
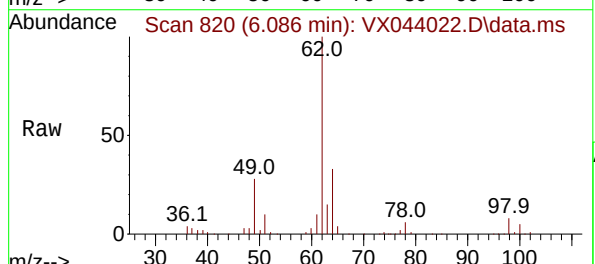
Acq: 26 Nov 2024 17:33

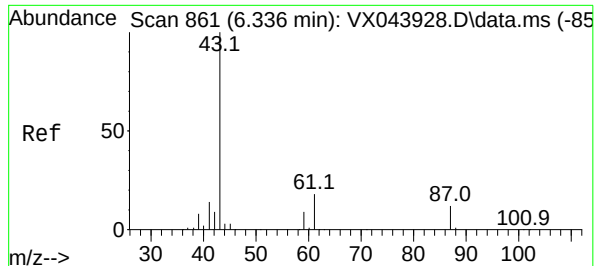
Tgt Ion: 62 Resp: 119738

Ion Ratio Lower Upper

62 100

98 8.3 0.0 16.4





#43

Isopropyl Acetate

Concen: 45.956 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 18829

Ion Ratio Lower Upper

43 100

61 18.2 14.5 21.7

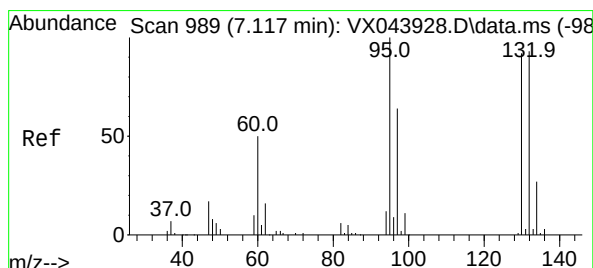
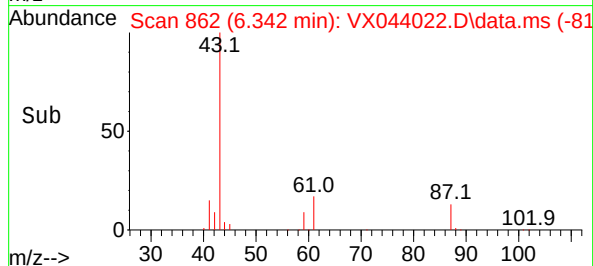
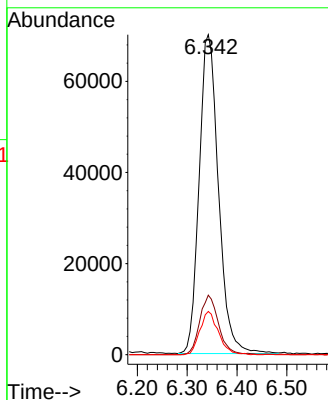
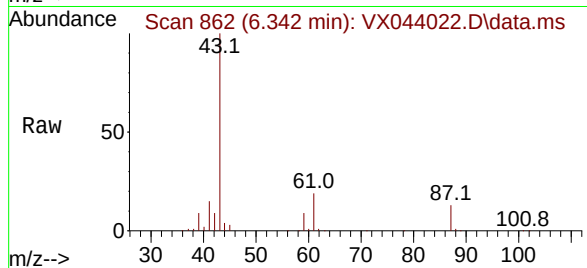
87 13.0 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#44

Trichloroethene

Concen: 38.741 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX044022.D

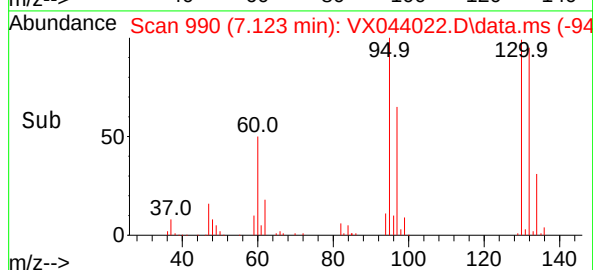
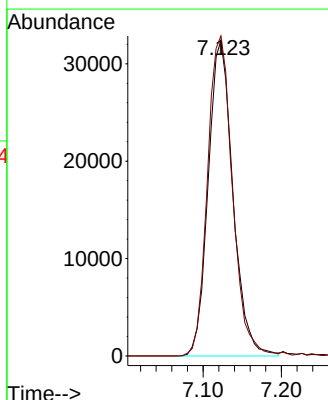
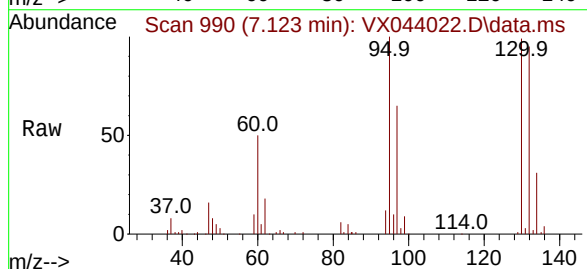
Acq: 26 Nov 2024 17:33

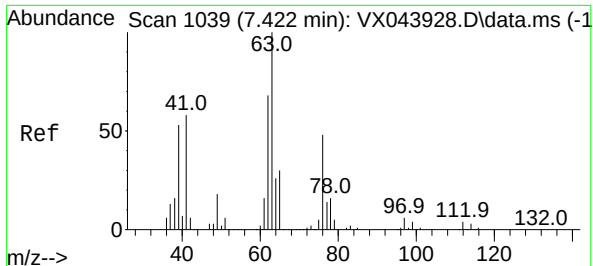
Tgt Ion:130 Resp: 70853

Ion Ratio Lower Upper

130 100

95 101.4 0.0 217.8





#45

1,2-Dichloropropane

Concen: 46.363 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 7336

Ion Ratio Lower Upper

63 100

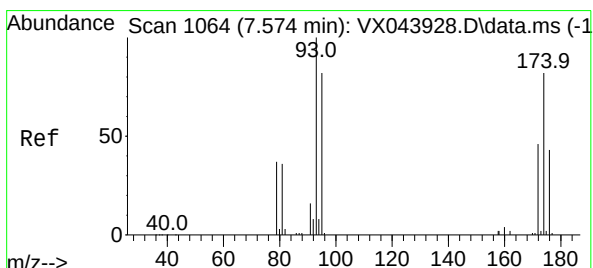
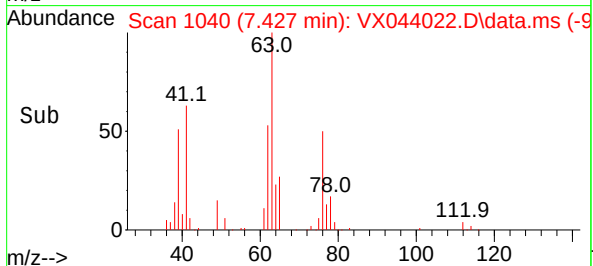
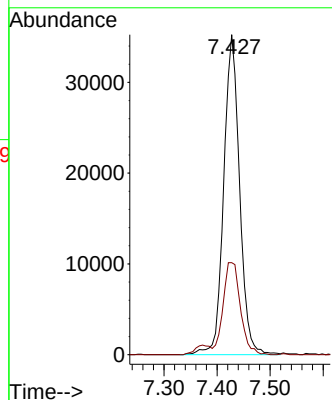
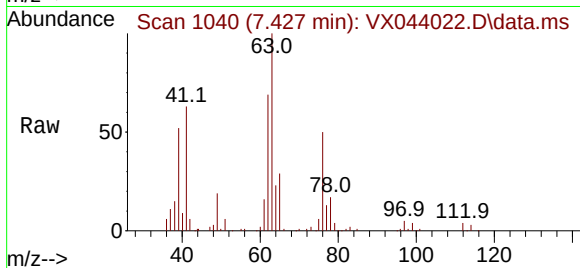
65 28.8 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#46

Dibromomethane

Concen: 46.080 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

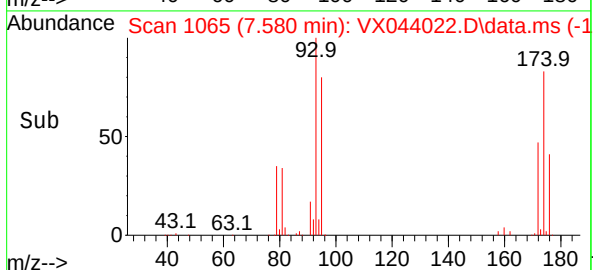
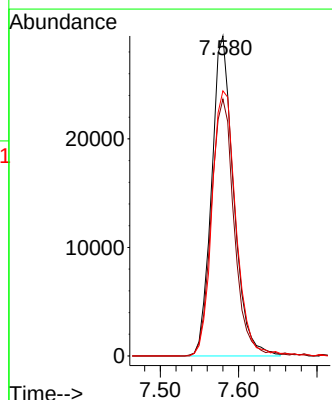
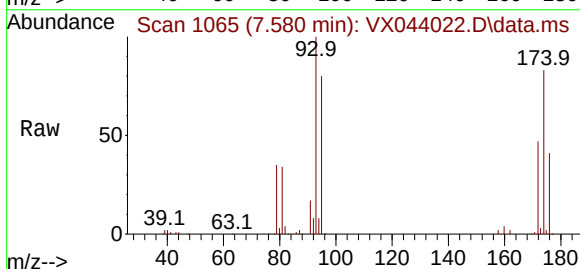
Tgt Ion: 93 Resp: 57678

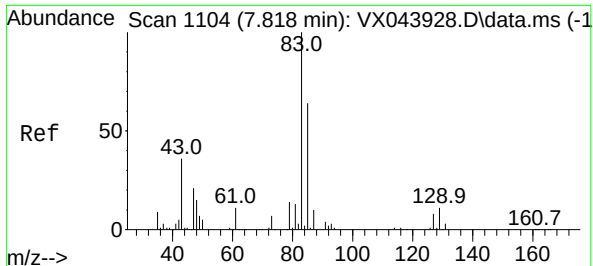
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 90.1 69.6 104.4





#47

Bromodichloromethane

Concen: 46.539 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

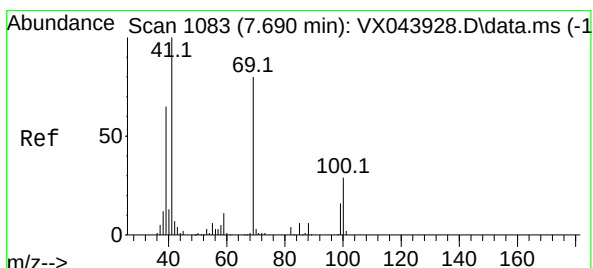
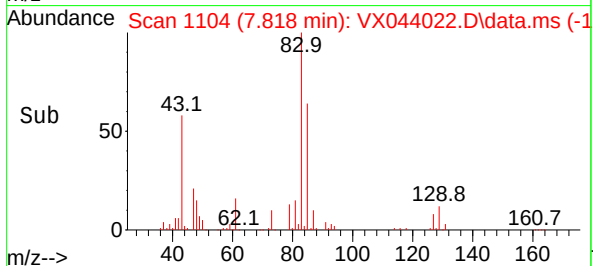
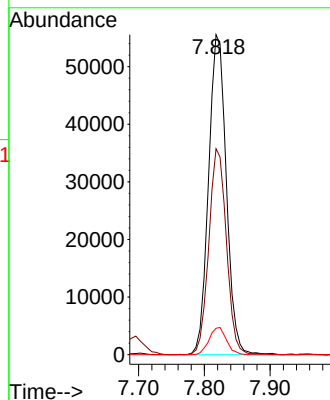
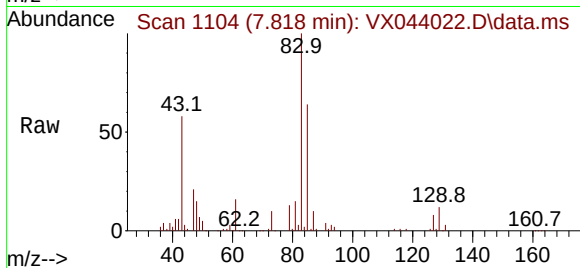
VSTDCCC050EC

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 83    | Resp: | 104474 |
| Ion      | Ratio | Lower | Upper  |
| 83       | 100   |       |        |
| 85       | 64.3  | 51.4  | 77.0   |
| 127      | 8.2   | 6.6   | 10.0   |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#48

Methyl methacrylate

Concen: 46.007 ug/l

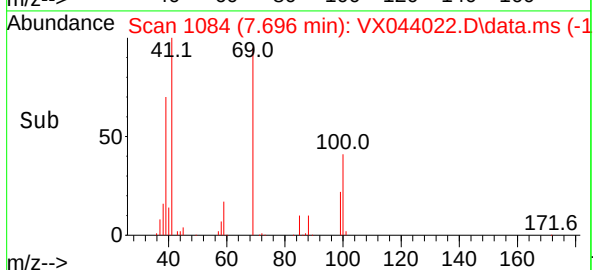
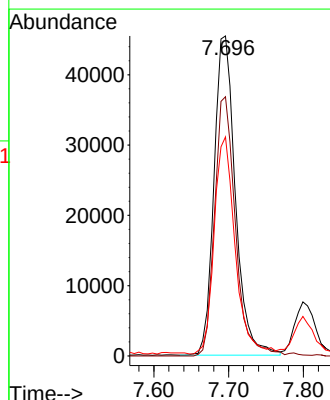
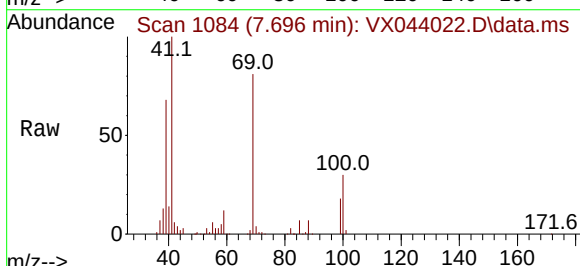
RT: 7.696 min Scan# 1084

Delta R.T. 0.006 min

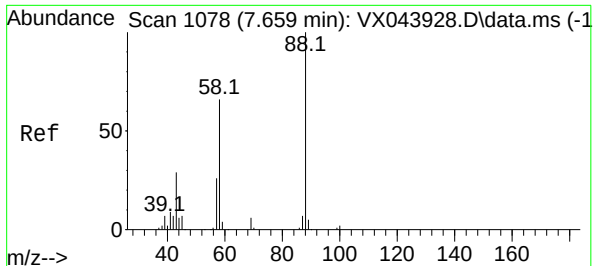
Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 90452 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 79.2  | 64.6  | 97.0  |
| 39       | 66.5  | 53.3  | 79.9  |







#49

1,4-Dioxane

Concen: 998.146 ug/l m

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 88 Resp: 3495

Ion Ratio Lower Upper

88 100

43 31.7 26.8 40.2

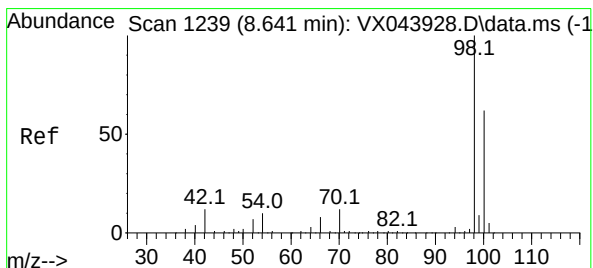
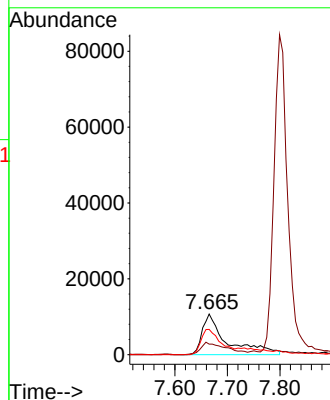
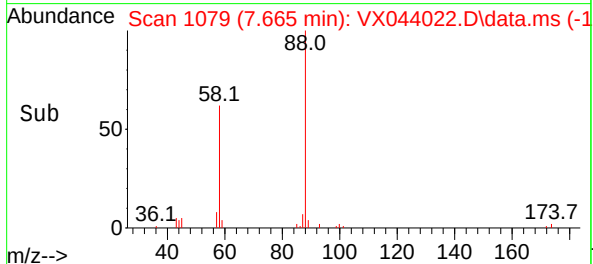
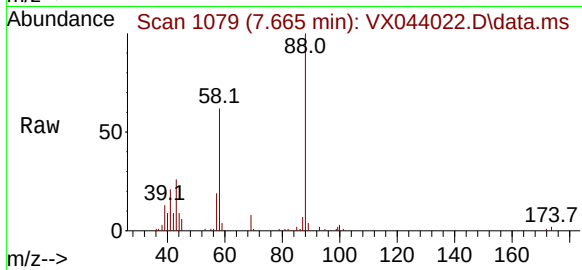
58 49.4 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#50

Toluene-d8

Concen: 44.028 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044022.D

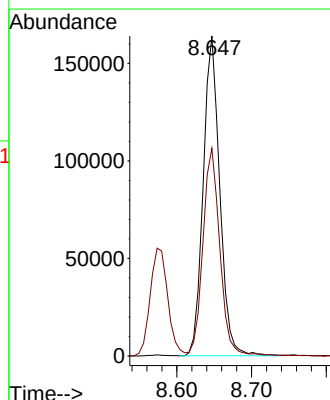
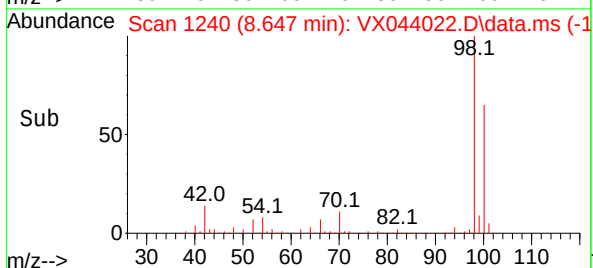
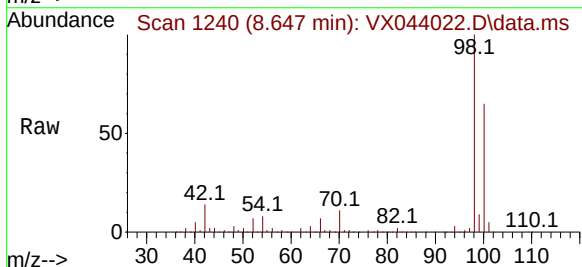
Acq: 26 Nov 2024 17:33

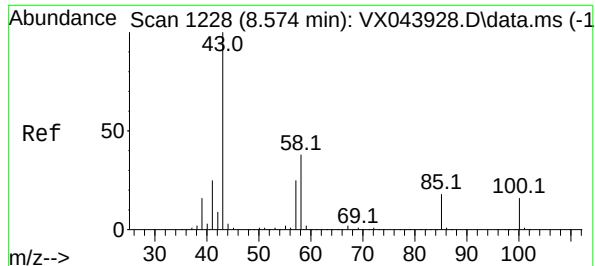
Tgt Ion: 98 Resp: 252602

Ion Ratio Lower Upper

98 100

100 66.5 52.6 79.0





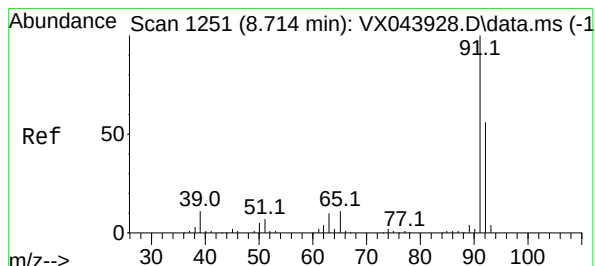
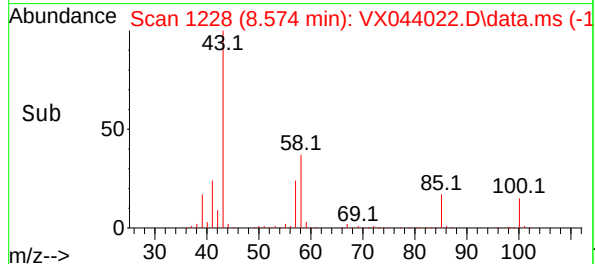
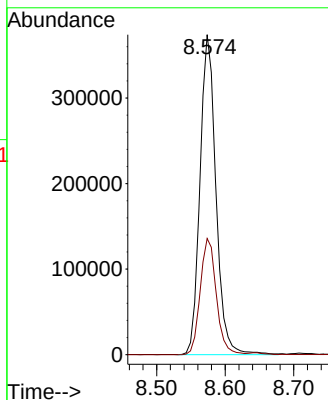
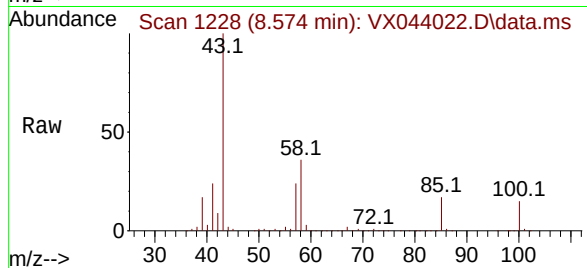
#51  
4-Methyl-2-Pentanone  
Concen: 242.496 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 43 Resp: 606329  
Ion Ratio Lower Upper  
43 100  
58 36.6 30.0 45.0

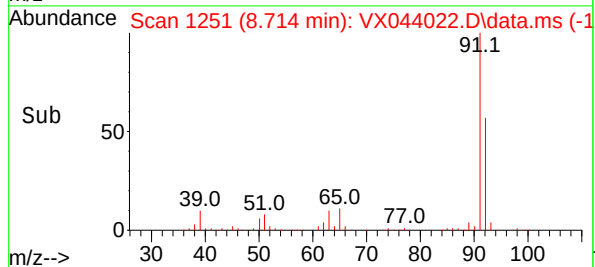
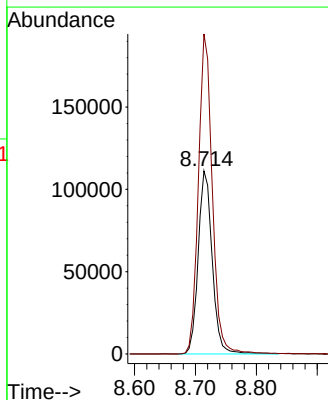
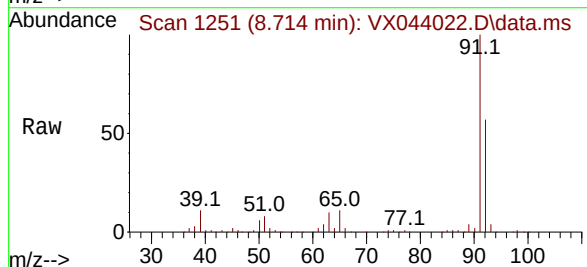
Manual Integrations  
APPROVED

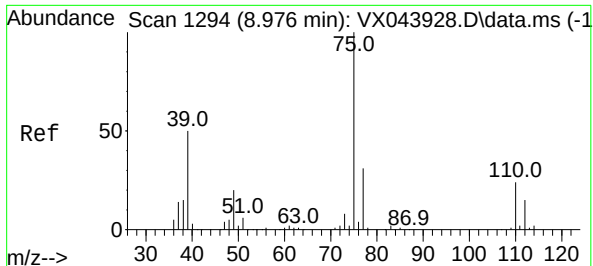
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#52  
Toluene  
Concen: 45.970 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 92 Resp: 177758  
Ion Ratio Lower Upper  
92 100  
91 173.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 45.983 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 75 Resp: 105260

Ion Ratio Lower Upper

75 100

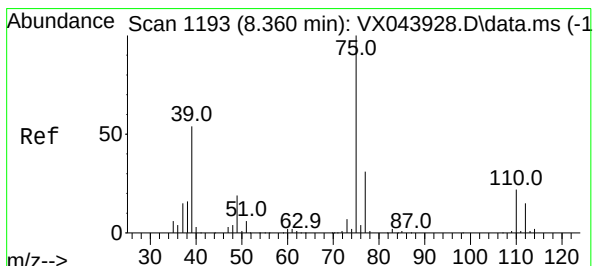
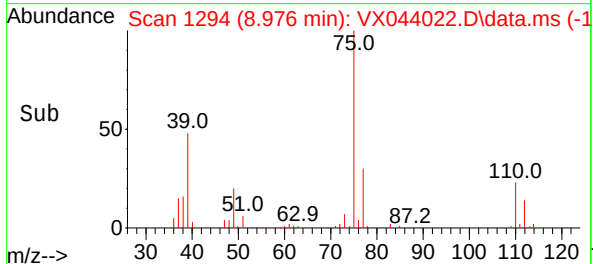
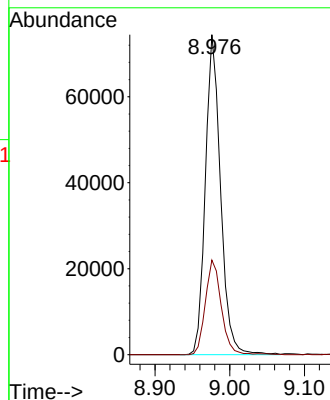
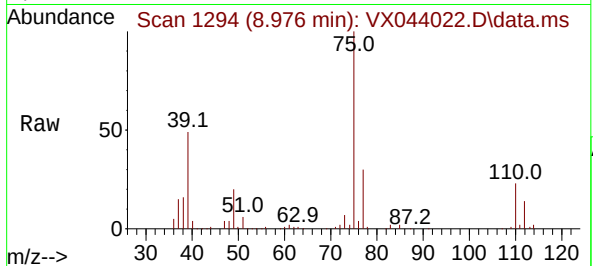
77 29.5 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#54

cis-1,3-Dichloropropene

Concen: 45.674 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

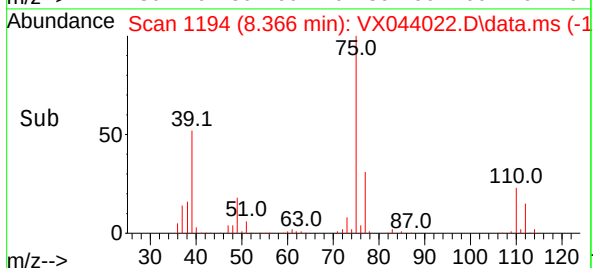
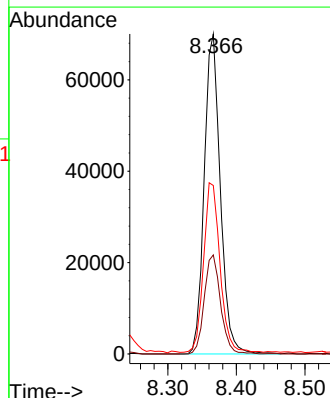
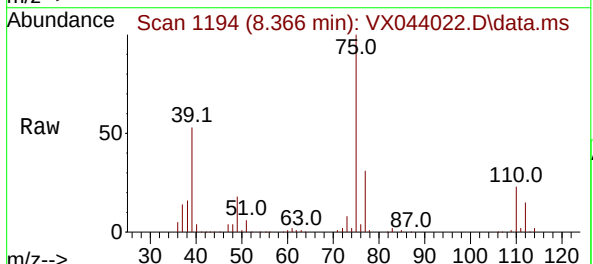
Tgt Ion: 75 Resp: 114622

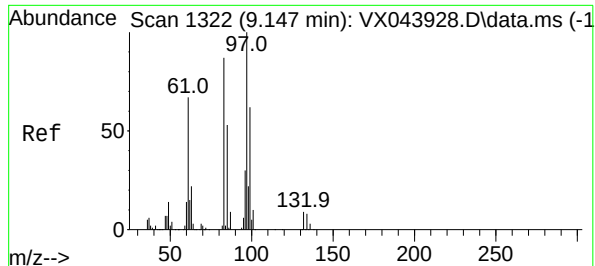
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 52.1 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 46.503 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 74228

Ion Ratio Lower Upper

97 100

83 86.9 69.4 104.0

85 55.9 42.3 63.5

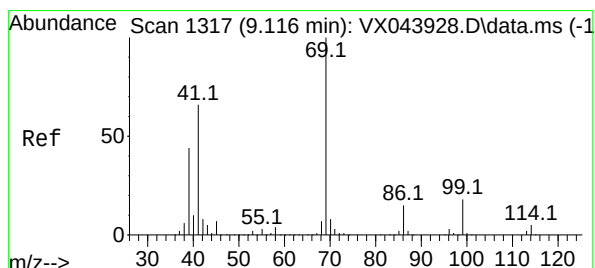
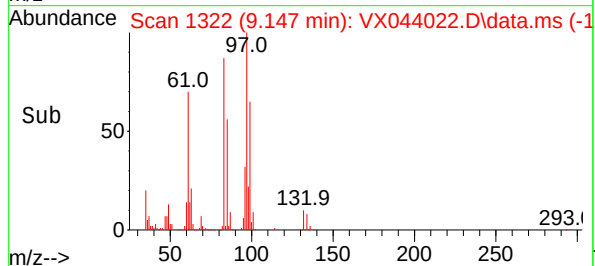
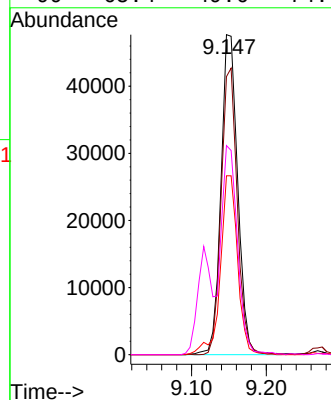
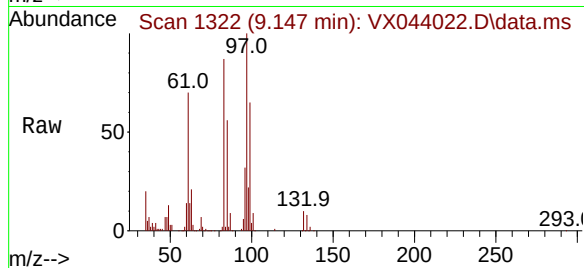
99 65.4 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#56

Ethyl methacrylate

Concen: 46.987 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

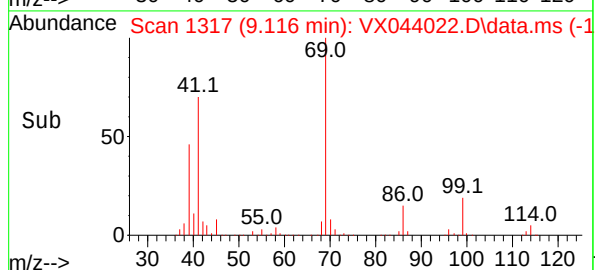
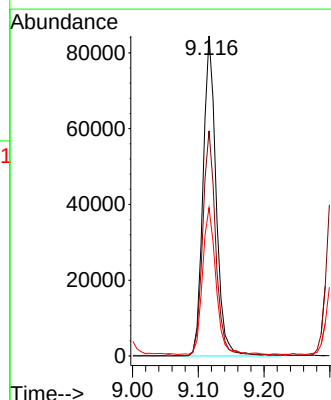
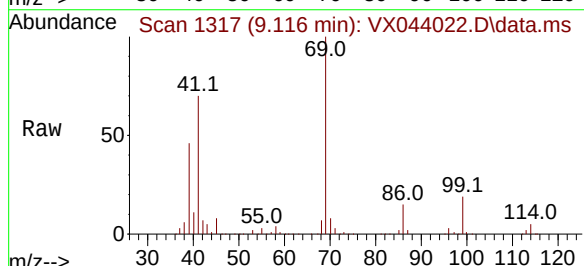
Tgt Ion: 69 Resp: 116819

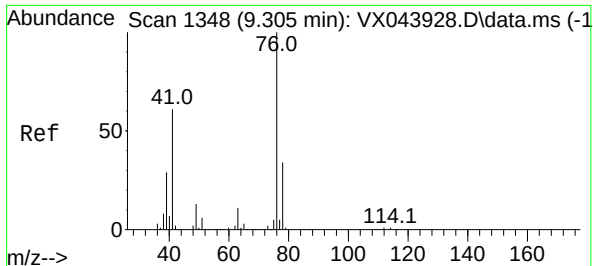
Ion Ratio Lower Upper

69 100

41 69.7 55.8 83.8

39 46.5 36.7 55.1





#57

1,3-Dichloropropane

Concen: 46.788 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 125800

Ion Ratio Lower Upper

76 100

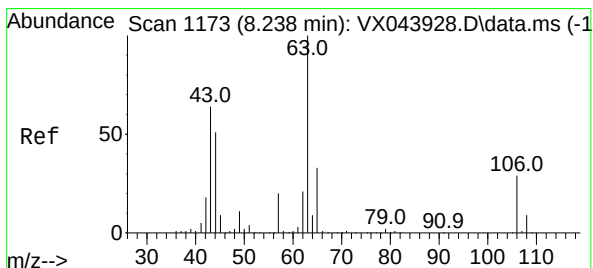
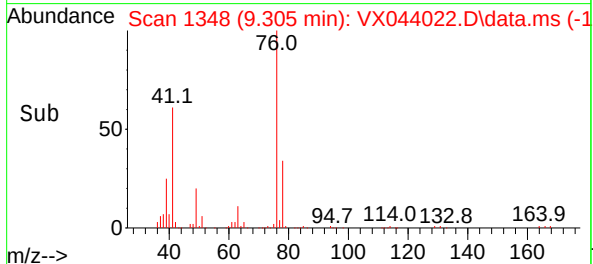
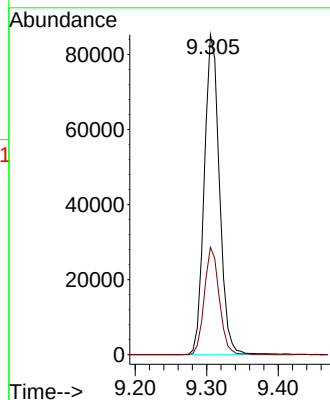
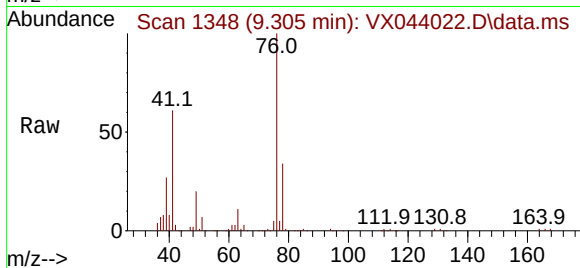
78 33.1 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#58

2-Chloroethyl Vinyl ether

Concen: 204.586 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX044022.D

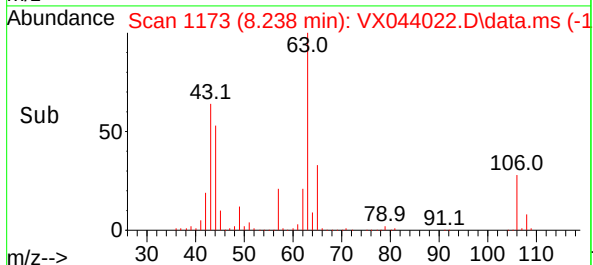
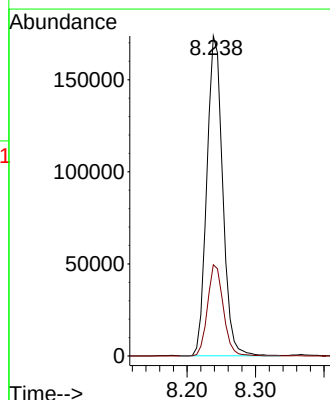
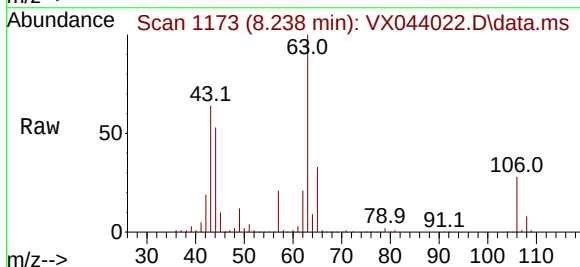
Acq: 26 Nov 2024 17:33

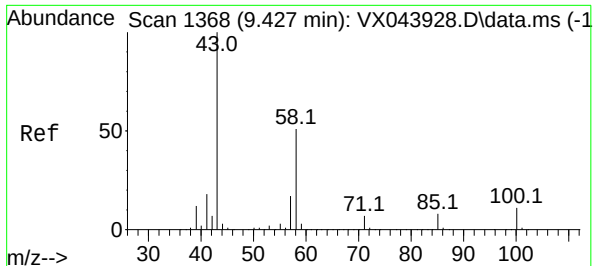
Tgt Ion: 63 Resp: 279354

Ion Ratio Lower Upper

63 100

106 28.5 23.0 34.6





#59

2-Hexanone

Concen: 238.945 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 44905

Ion Ratio Lower Upper

43 100

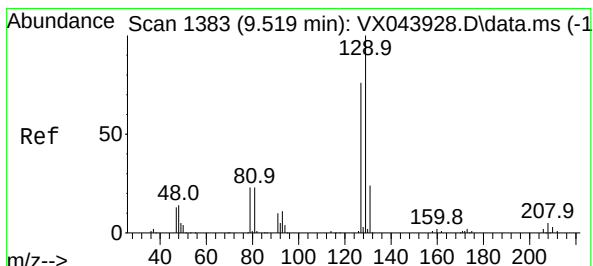
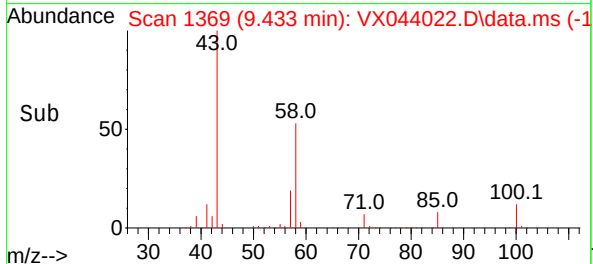
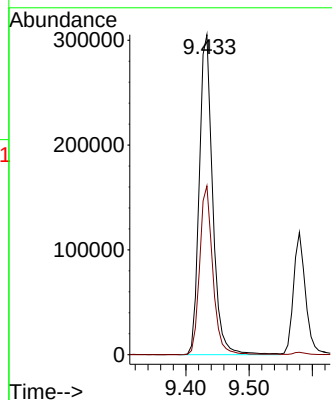
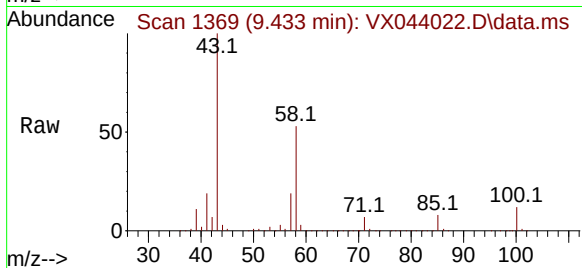
58 51.9 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#60

Dibromochloromethane

Concen: 46.621 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044022.D

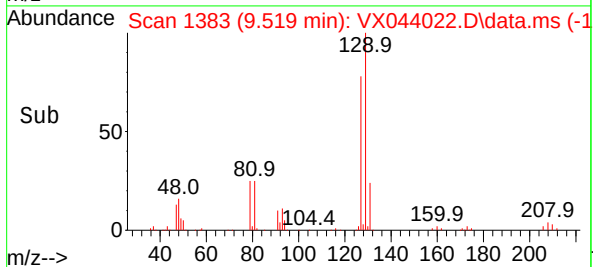
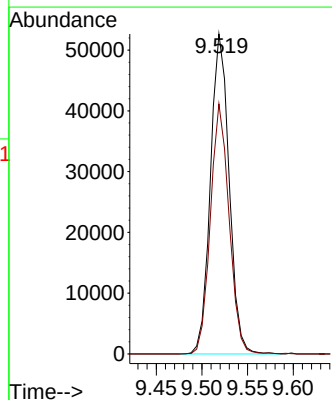
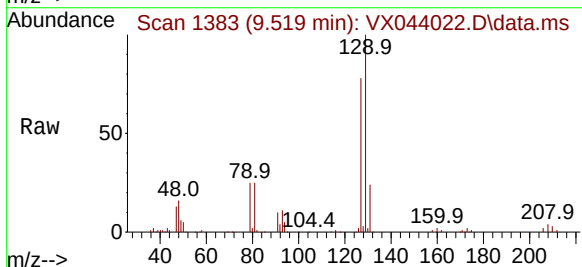
Acq: 26 Nov 2024 17:33

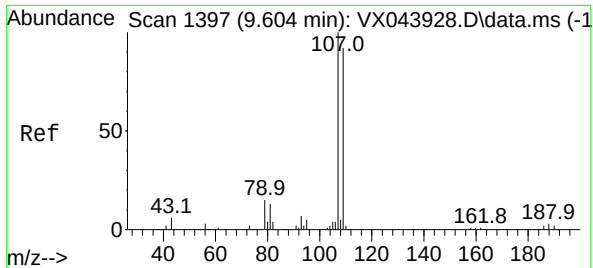
Tgt Ion:129 Resp: 74665

Ion Ratio Lower Upper

129 100

127 78.2 38.2 114.6





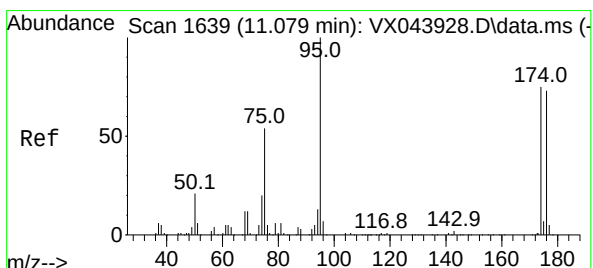
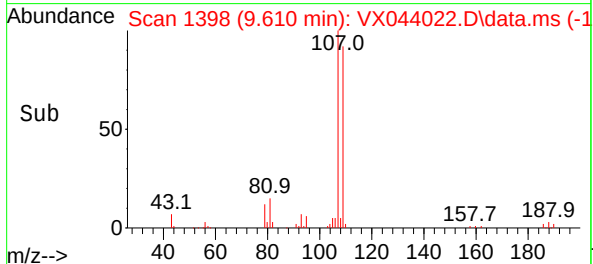
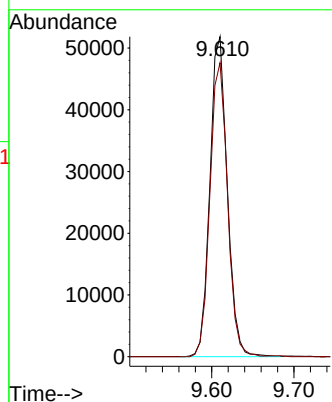
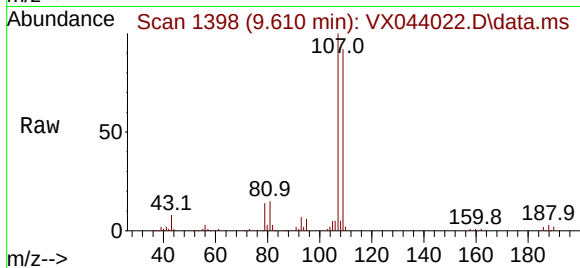
#61  
1,2-Dibromoethane  
Concen: 47.112 ug/l  
RT: 9.610 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:107 Resp: 76038  
Ion Ratio Lower Upper  
107 100  
109 92.9 75.2 112.8

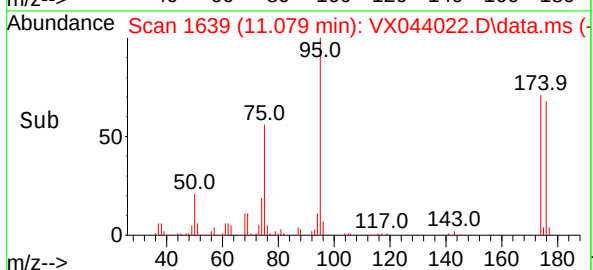
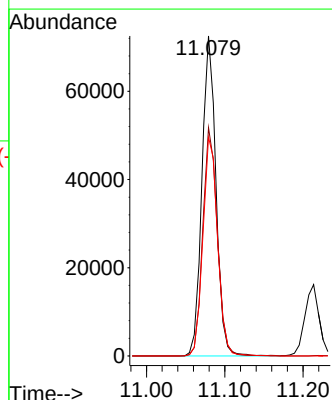
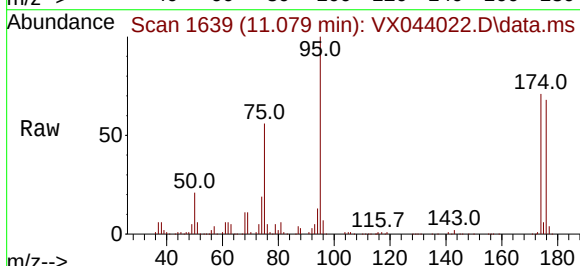
Manual Integrations  
APPROVED

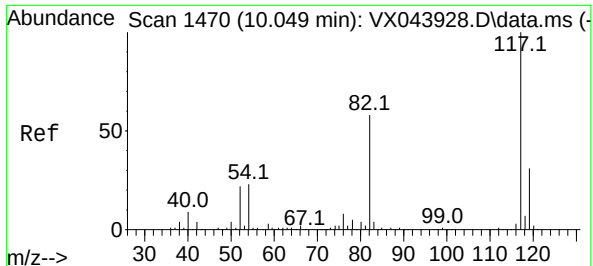
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#62  
4-Bromofluorobenzene  
Concen: 46.200 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

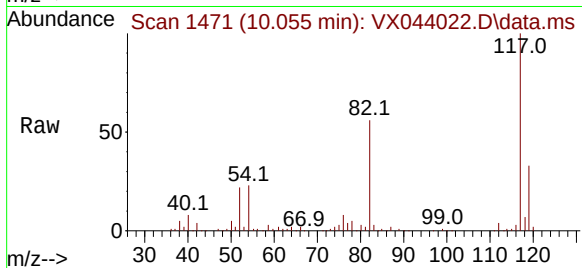
Tgt Ion: 95 Resp: 90209  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 150.4  
176 71.5 0.0 146.0





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

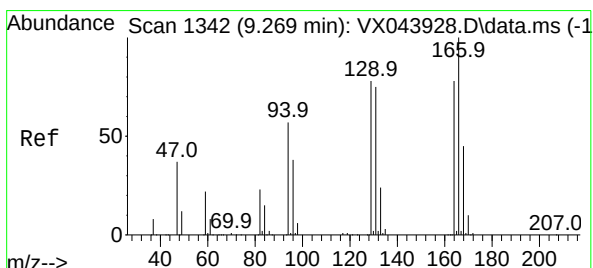
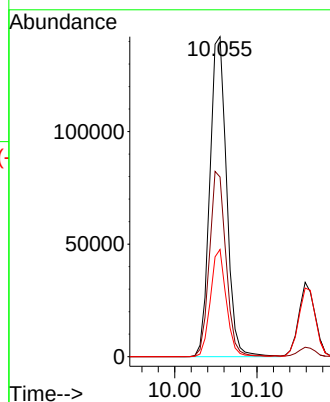
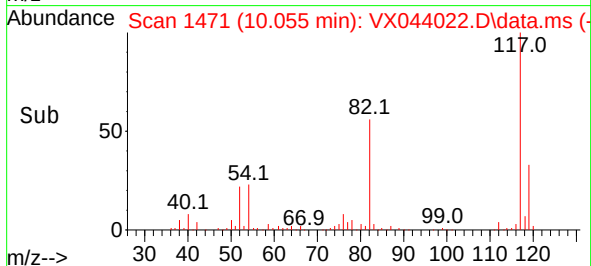
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion:117 Resp: 20150  
Ion Ratio Lower Upper  
117 100  
82 56.2 46.4 69.6  
119 33.5 24.6 37.0

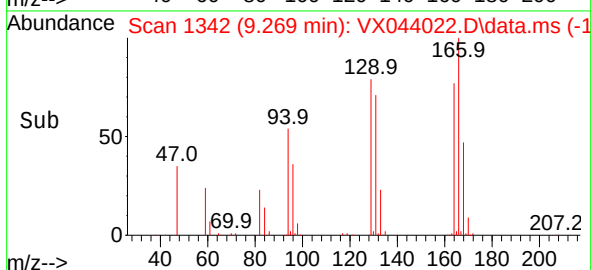
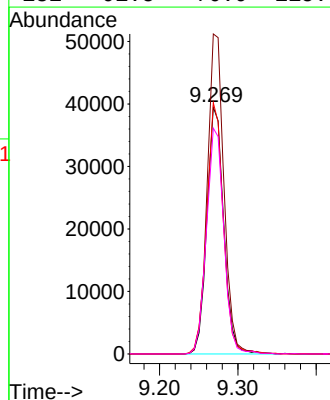
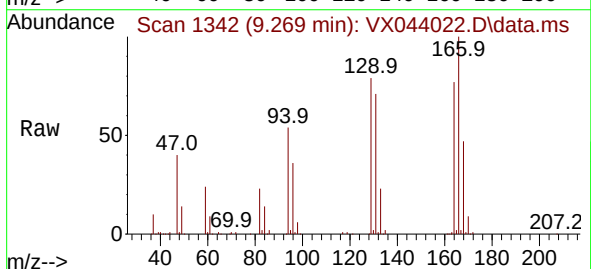
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

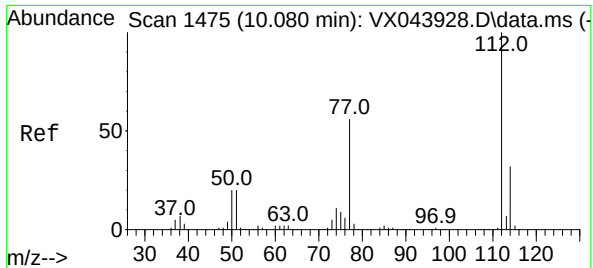


#64  
Tetrachloroethene  
Concen: 44.283 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:164 Resp: 58837  
Ion Ratio Lower Upper  
164 100  
166 129.7 102.1 153.1  
129 101.8 79.6 119.4  
131 91.5 76.9 115.3







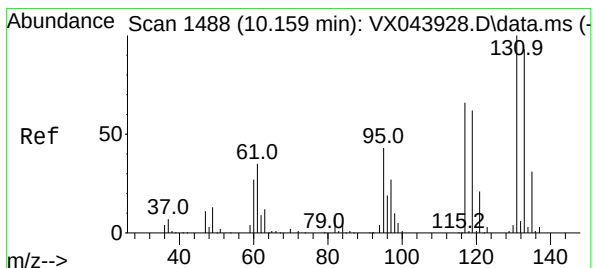
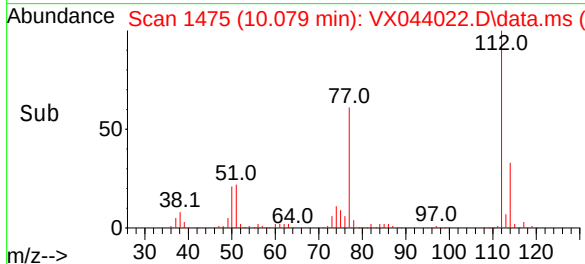
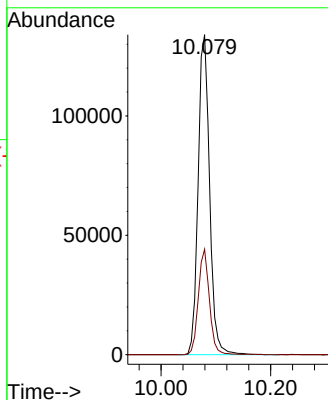
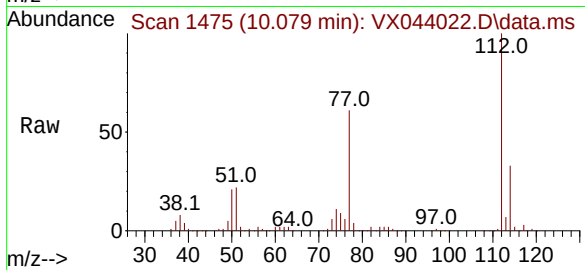
#65  
Chlorobenzene  
Concen: 44.078 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:112 Resp: 195068  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.4 38.0

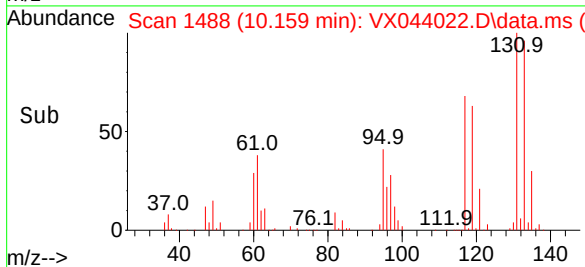
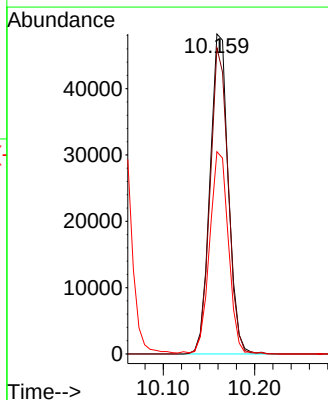
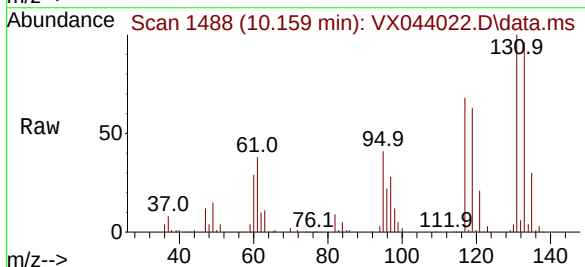
Manual Integrations  
**APPROVED**

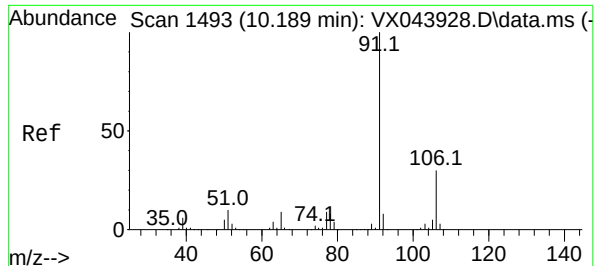
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.975 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:131 Resp: 67421  
Ion Ratio Lower Upper  
131 100  
133 94.3 48.2 144.6  
119 64.9 31.5 94.5





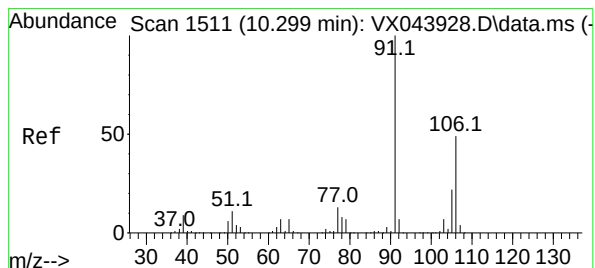
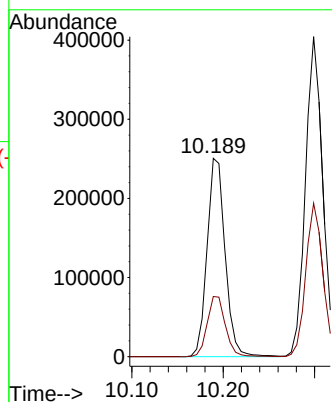
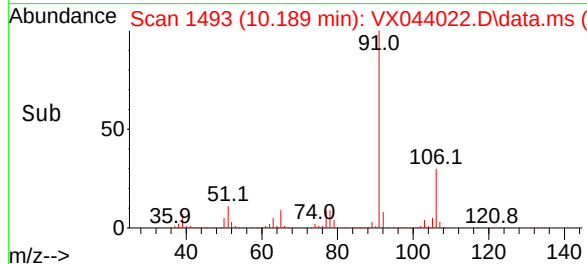
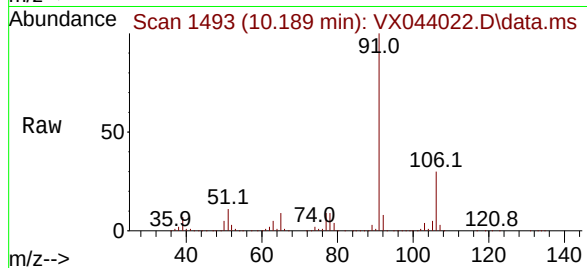
#67  
Ethyl Benzene  
Concen: 45.714 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 91 Resp: 342810  
Ion Ratio Lower Upper  
91 100  
106 30.3 23.6 35.4

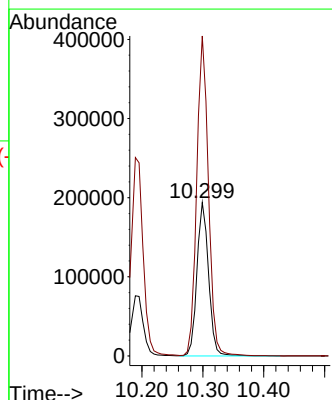
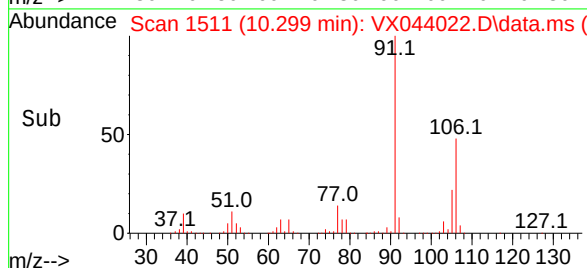
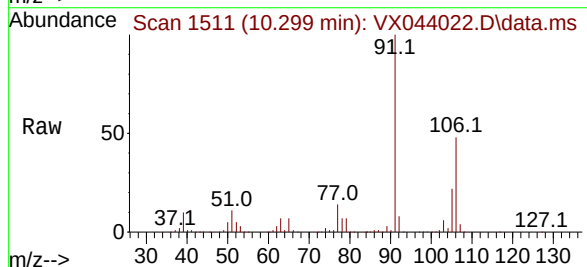
Manual Integrations  
APPROVED

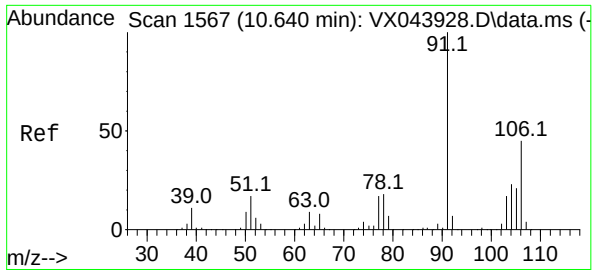
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#68  
m/p-Xylenes  
Concen: 91.591 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:106 Resp: 256139  
Ion Ratio Lower Upper  
106 100  
91 210.1 168.1 252.1





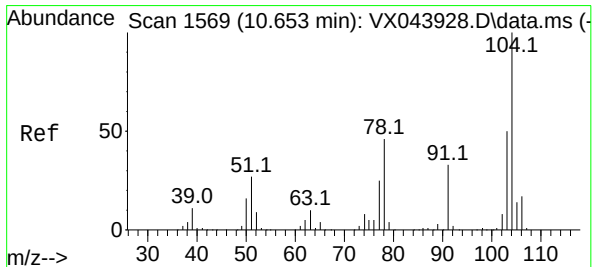
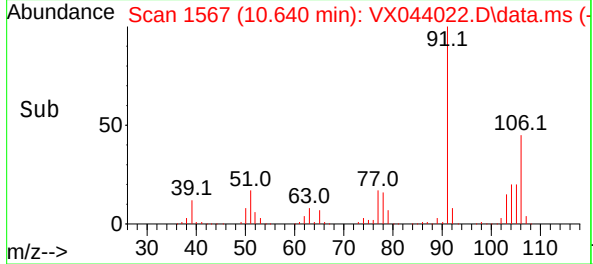
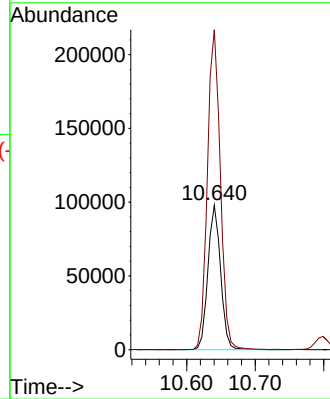
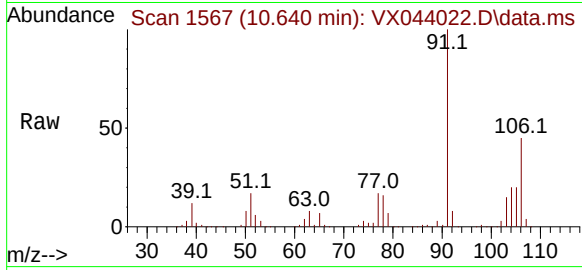
#69  
o-Xylene  
Concen: 46.288 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:106 Resp: 12638  
Ion Ratio Lower Upper  
106 100  
91 225.4 110.2 330.6

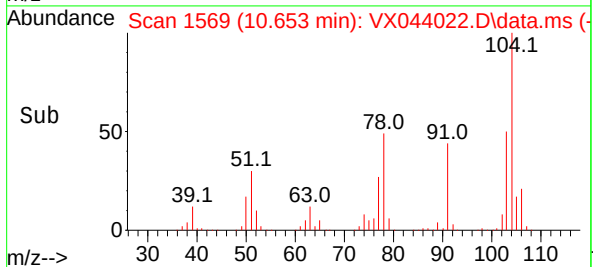
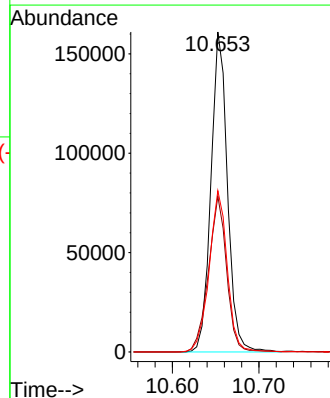
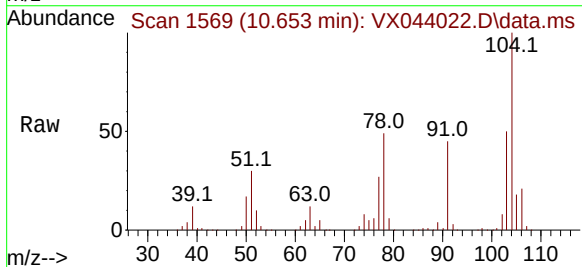
Manual Integrations  
**APPROVED**

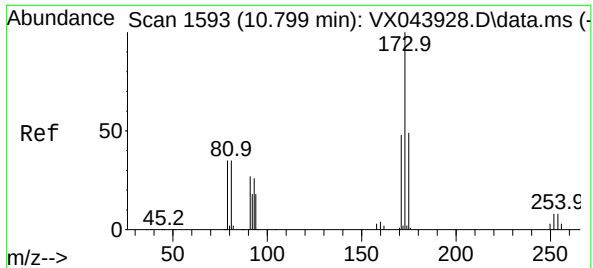
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#70  
Styrene  
Concen: 47.303 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

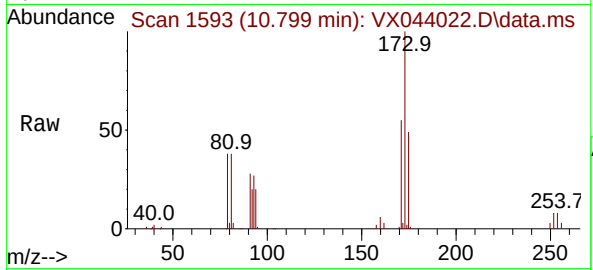
Tgt Ion:104 Resp: 213625  
Ion Ratio Lower Upper  
104 100  
78 53.5 42.2 63.2  
103 55.3 44.7 67.1





#71  
Bromoform  
Concen: 41.511 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

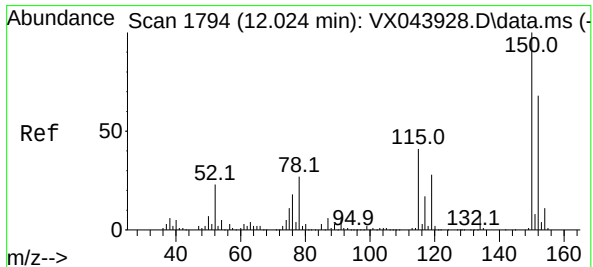
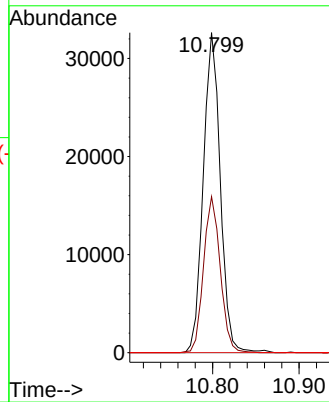
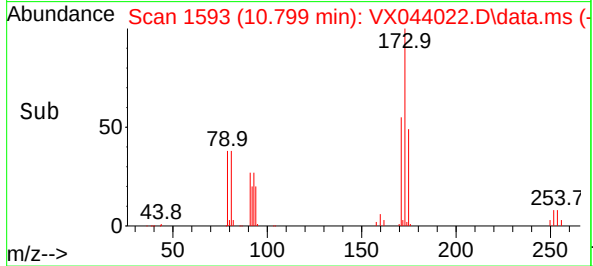
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion:173 Resp: 4462  
Ion Ratio Lower Upper  
173 100  
175 47.8 24.1 72.2  
254 0.0 0.0 0.0

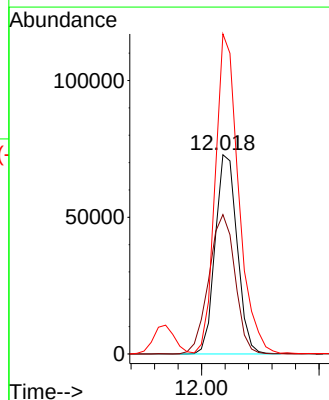
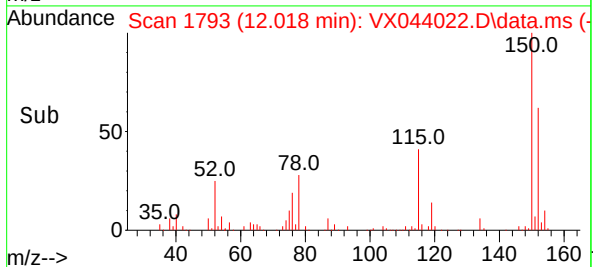
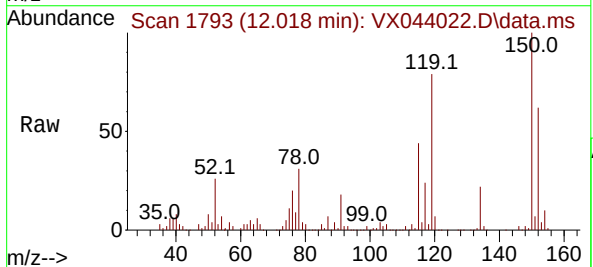
Manual Integrations  
APPROVED

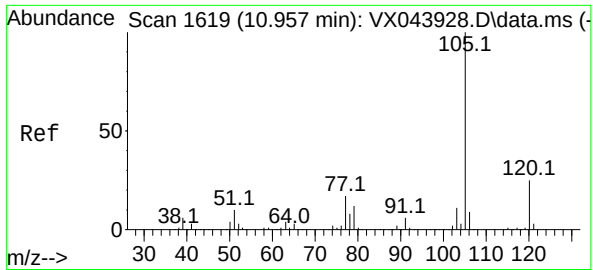
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:152 Resp: 94669  
Ion Ratio Lower Upper  
152 100  
115 83.5 45.4 136.2  
150 171.0 0.0 353.0





#73

Isopropylbenzene

Concen: 45.287 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 329562

Ion Ratio Lower Upper

105 100

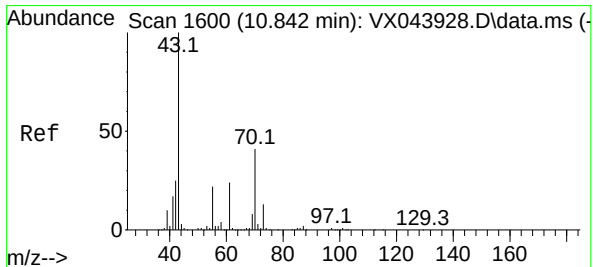
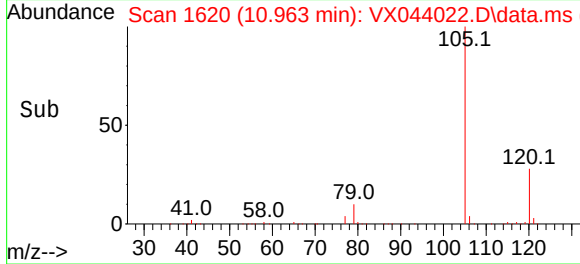
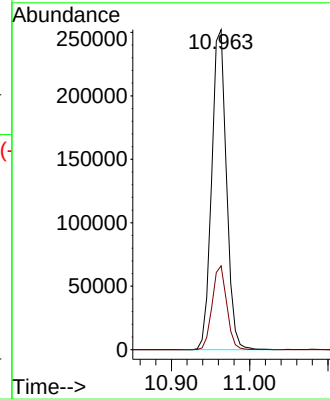
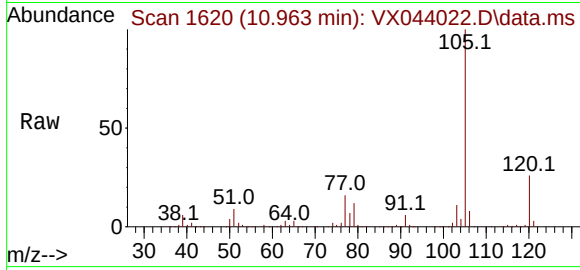
120 25.8 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#74

N-ethyl acetate

Concen: 46.621 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 157167

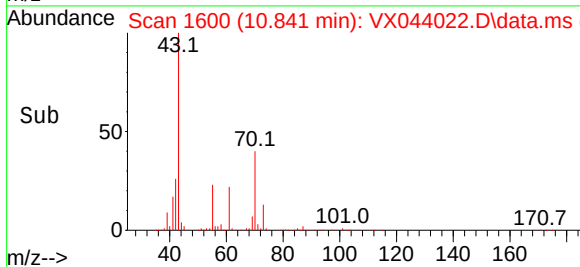
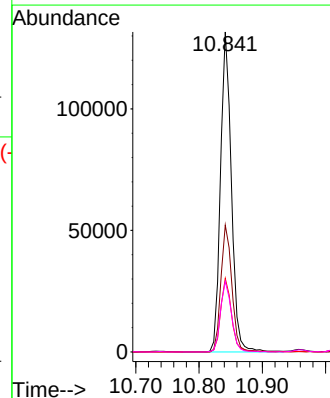
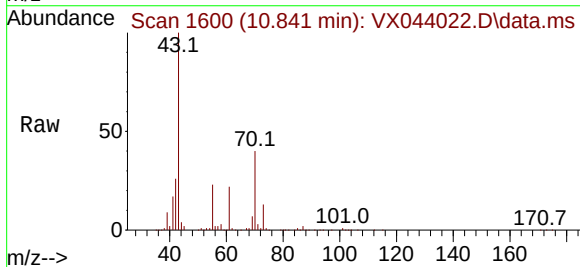
Ion Ratio Lower Upper

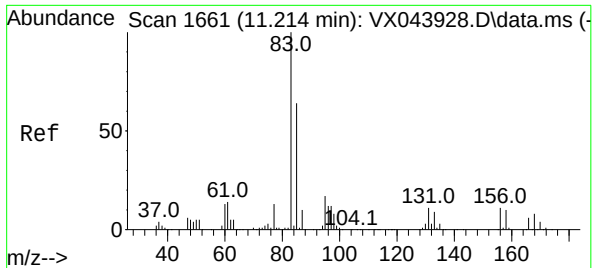
43 100

70 39.9 32.2 48.2

55 22.9 18.1 27.1

61 22.3 18.4 27.6





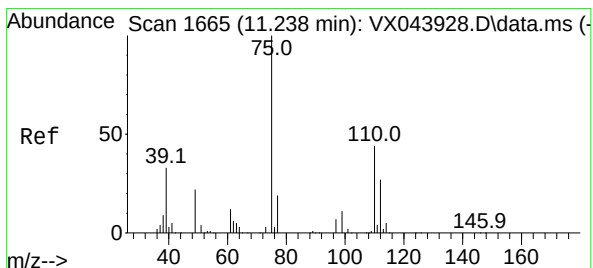
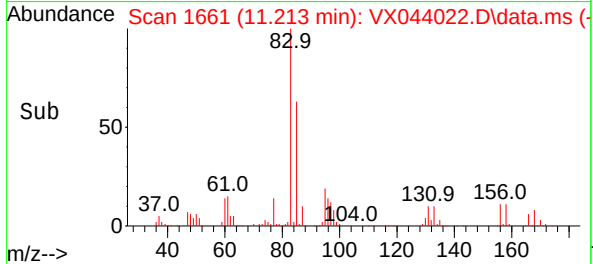
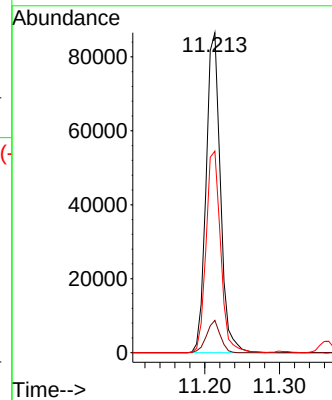
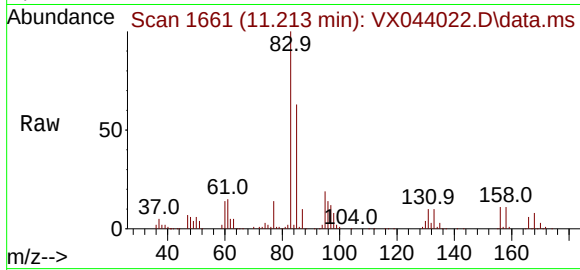
#75  
1,1,2,2-Tetrachloroethane  
Concen: 46.217 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 83 Resp: 115162  
Ion Ratio Lower Upper  
83 100  
131 9.7 5.1 15.2  
85 64.1 32.2 96.6

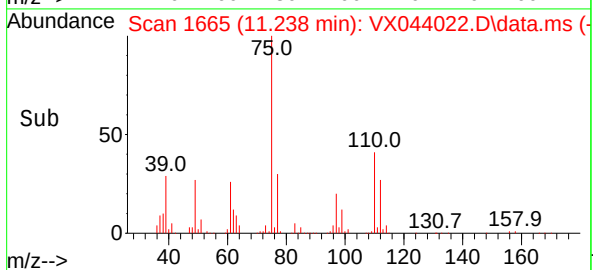
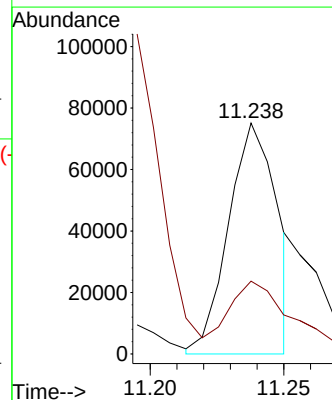
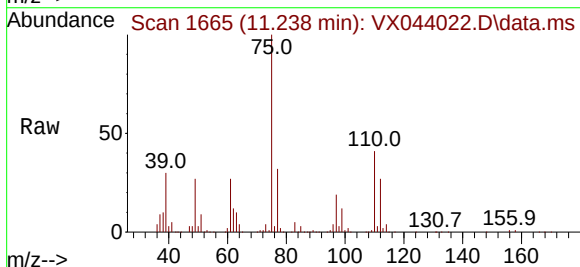
Manual Integrations  
APPROVED

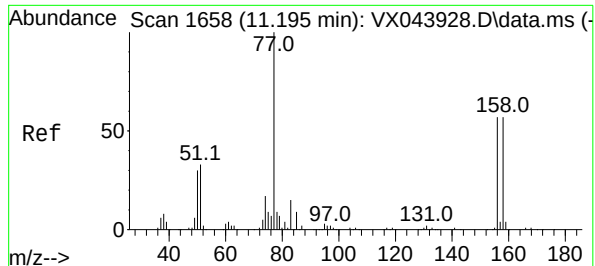
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#76  
1,2,3-Trichloropropane  
Concen: 45.977 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 95452  
Ion Ratio Lower Upper  
75 100  
77 41.7 21.8 65.3





#77

Bromobenzene

Concen: 45.286 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:156 Resp: 78615

Ion Ratio Lower Upper

156 100

77 163.4 83.4 250.1

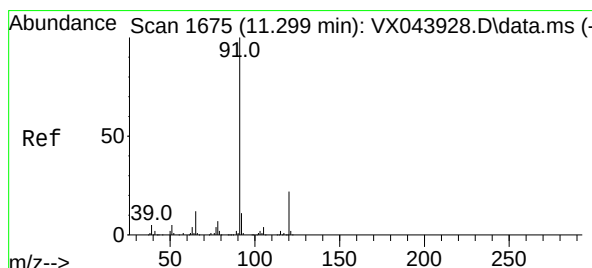
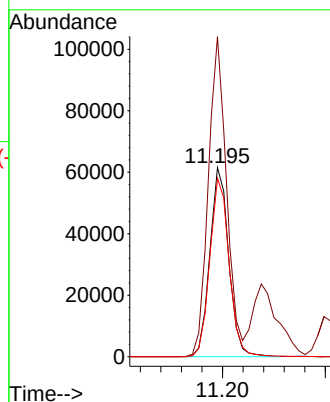
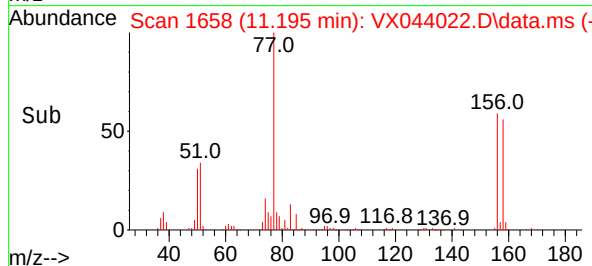
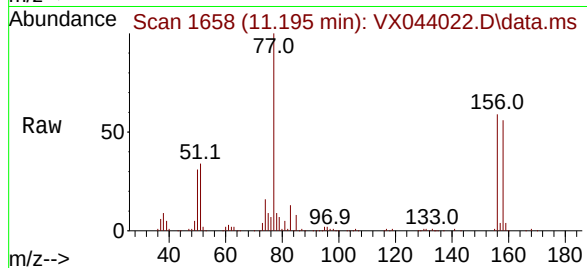
158 96.4 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#78

n-propylbenzene

Concen: 45.927 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044022.D

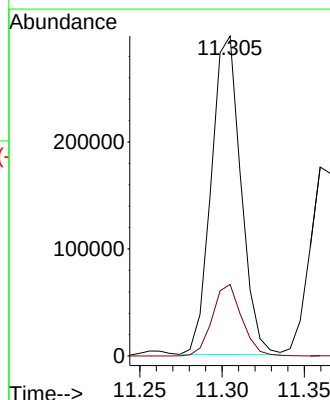
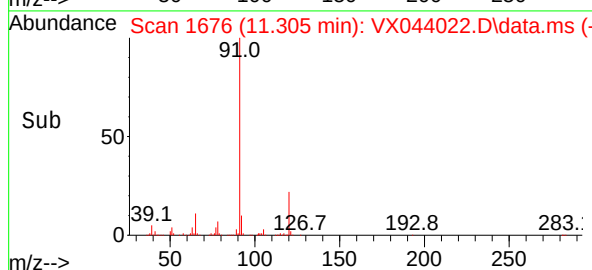
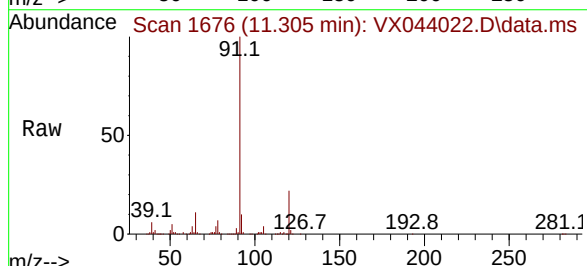
Acq: 26 Nov 2024 17:33

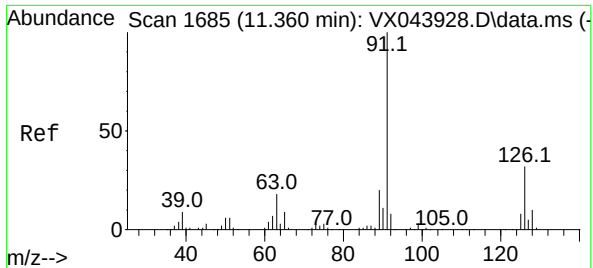
Tgt Ion: 91 Resp: 373275

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4





#79

2-Chlorotoluene

Concen: 44.554 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 228979

Ion Ratio Lower Upper

91 100

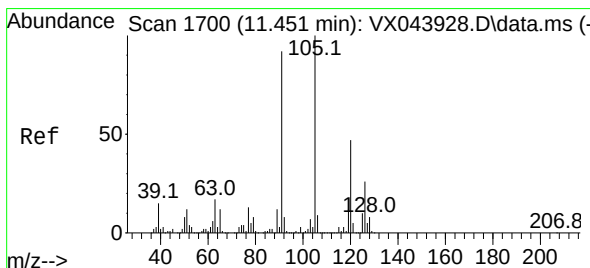
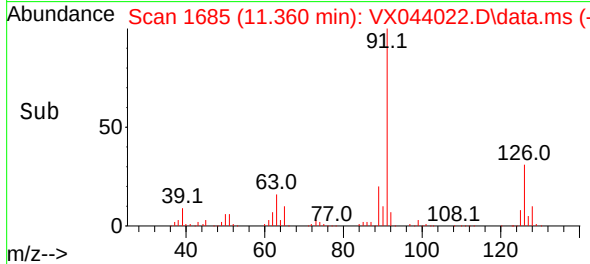
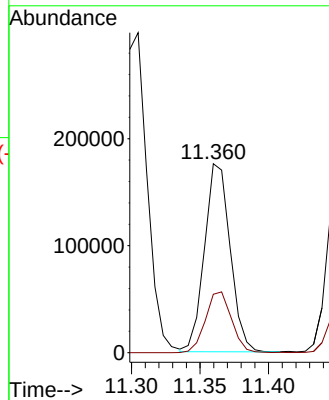
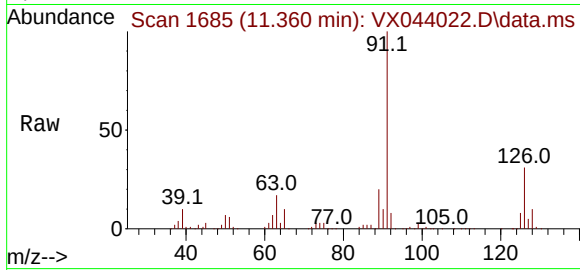
126 32.9 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#80

1,3,5-Trimethylbenzene

Concen: 45.154 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044022.D

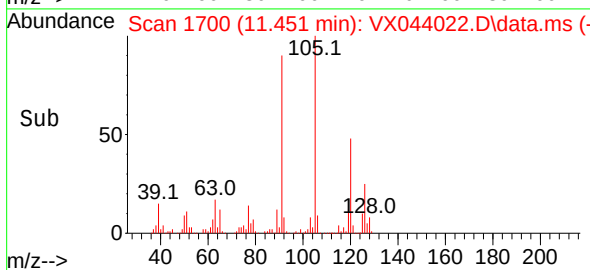
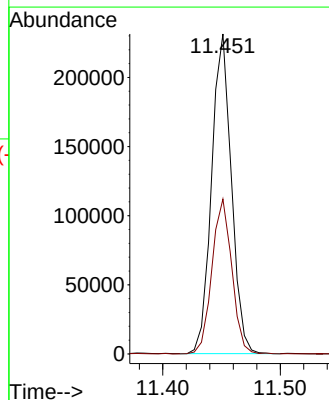
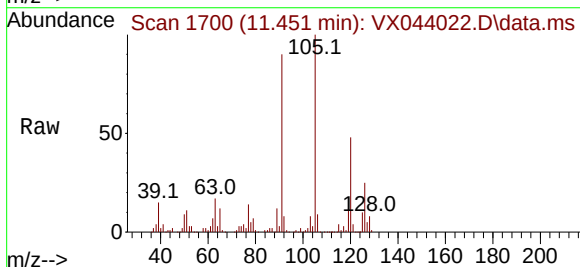
Acq: 26 Nov 2024 17:33

Tgt Ion:105 Resp: 270335

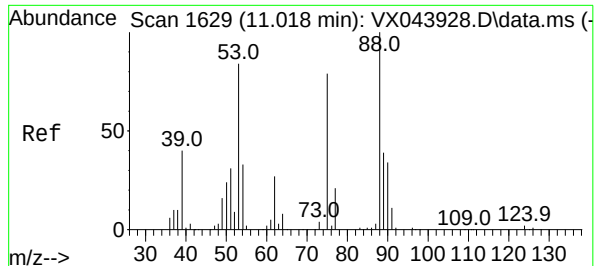
Ion Ratio Lower Upper

105 100

120 48.7 23.3 69.8







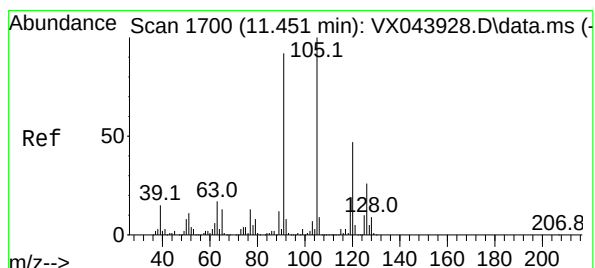
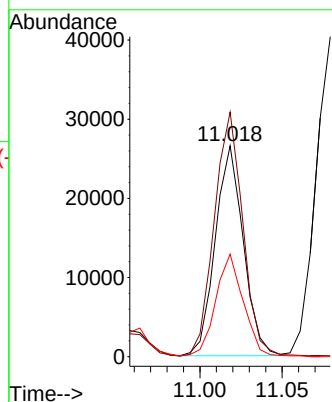
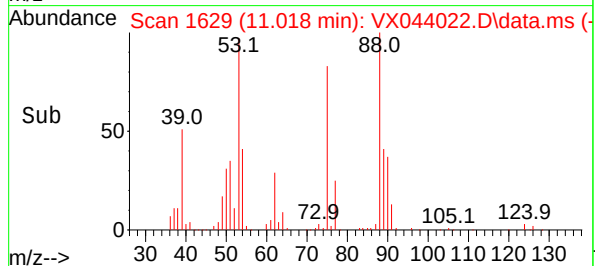
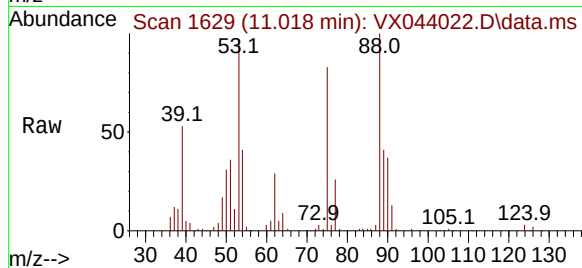
#81  
trans-1,4-Dichloro-2-butene  
Concen: 41.465 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 75 Resp: 3154  
Ion Ratio Lower Upper  
75 100  
53 119.3 86.7 130.1  
89 48.4 38.2 57.2

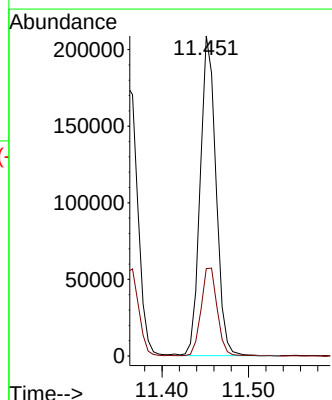
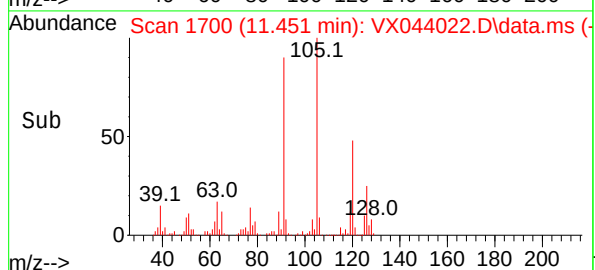
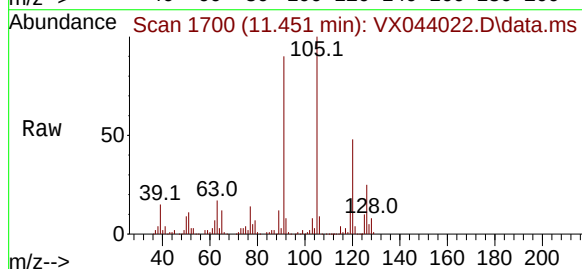
Manual Integrations  
APPROVED

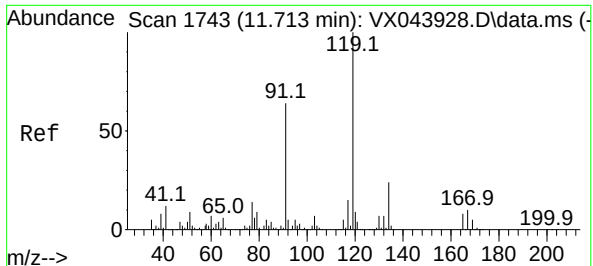
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#82  
4-Chlorotoluene  
Concen: 45.372 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

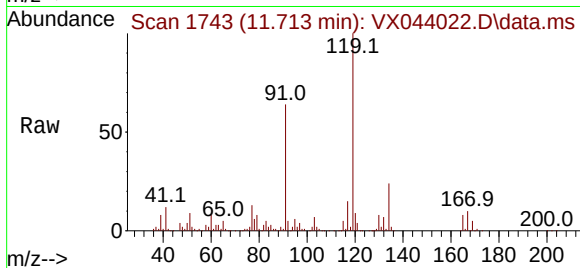
Tgt Ion: 91 Resp: 263259  
Ion Ratio Lower Upper  
91 100  
126 28.4 14.3 42.9





#83  
tert-Butylbenzene  
Concen: 45.748 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

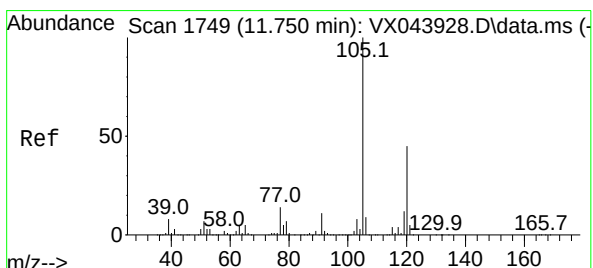
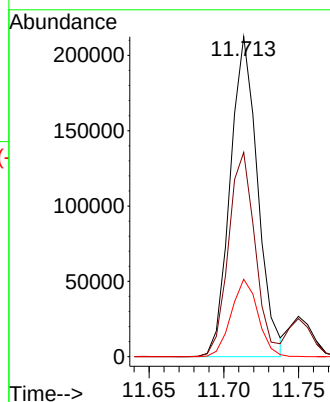
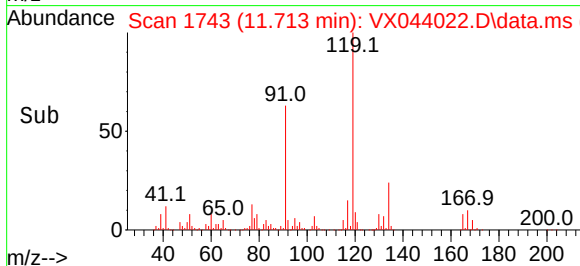
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion:119 Resp: 27147  
Ion Ratio Lower Upper  
119 100  
91 62.5 31.0 93.0  
134 23.6 11.6 34.8

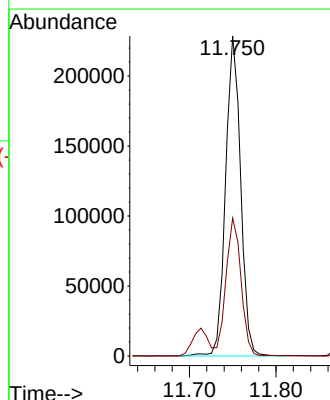
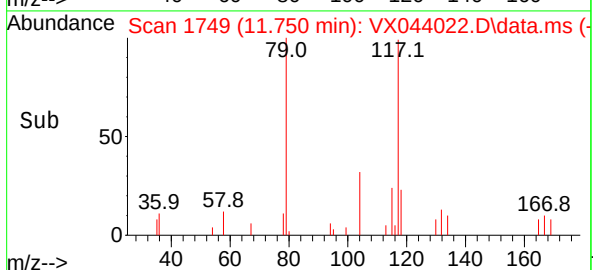
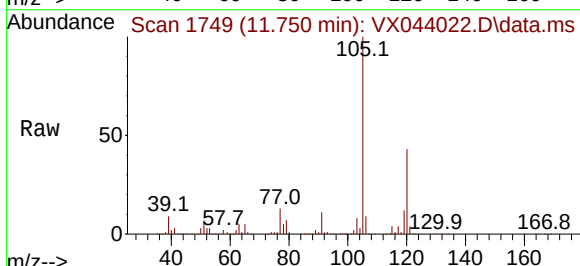
Manual Integrations  
**APPROVED**

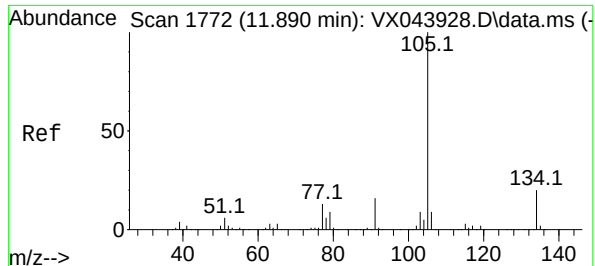
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#84  
1,2,4-Trimethylbenzene  
Concen: 46.231 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

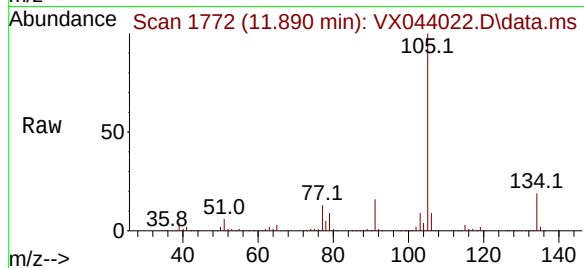
Tgt Ion:105 Resp: 275565  
Ion Ratio Lower Upper  
105 100  
120 43.6 21.9 65.7





#85  
 sec-Butylbenzene  
 Concen: 45.265 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX044022.D  
 Acq: 26 Nov 2024 17:33

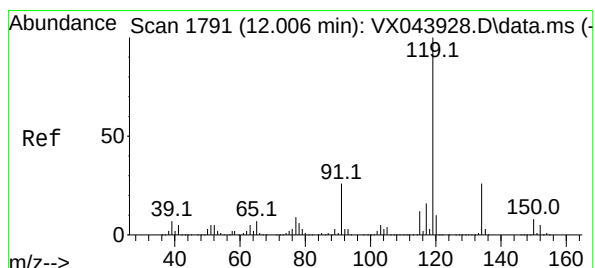
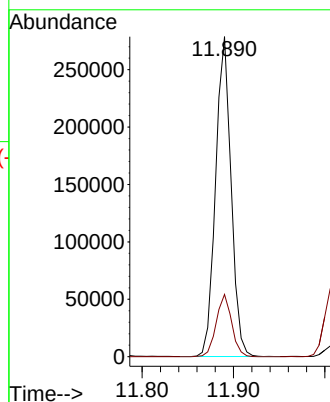
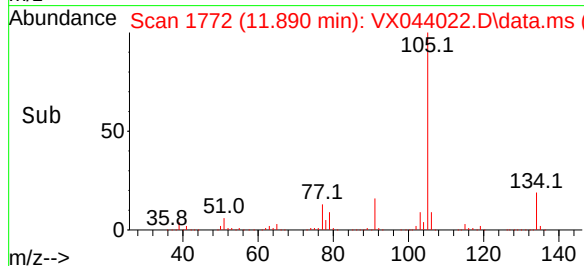
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC



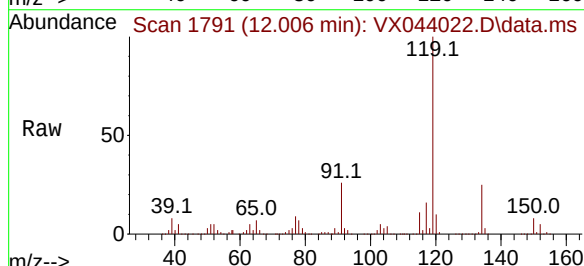
Tgt Ion:105 Resp: 32910  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.7 29.1

Manual Integrations  
 APPROVED

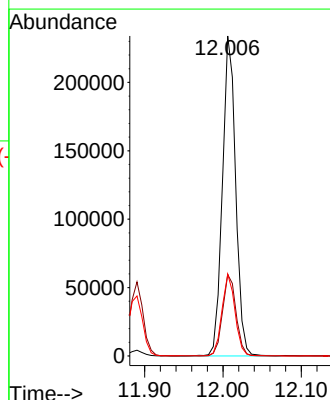
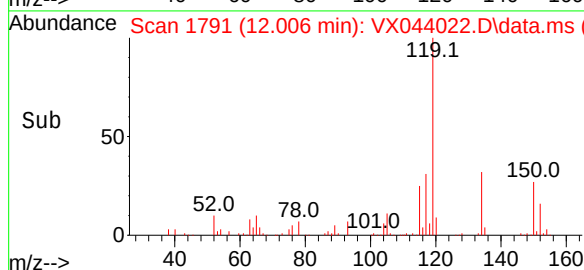
Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

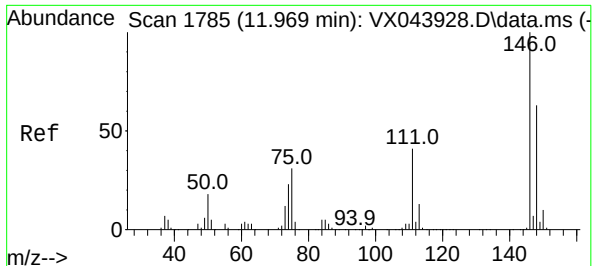


#86  
 p-Isopropyltoluene  
 Concen: 46.734 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX044022.D  
 Acq: 26 Nov 2024 17:33



Tgt Ion:119 Resp: 276004  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.0 38.9  
 91 25.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 44.616 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 141063

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.3

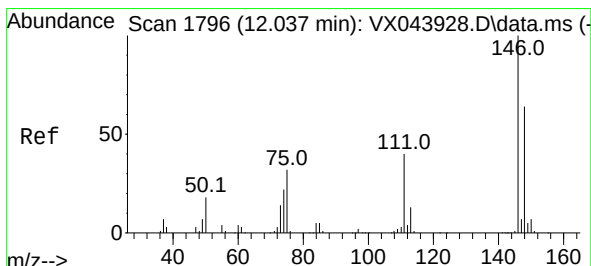
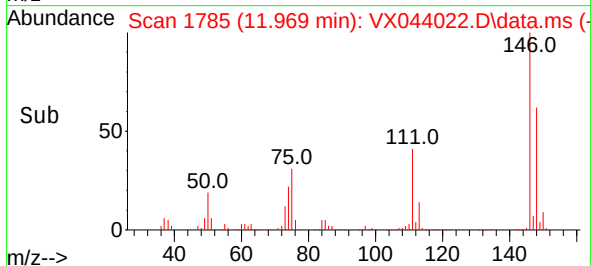
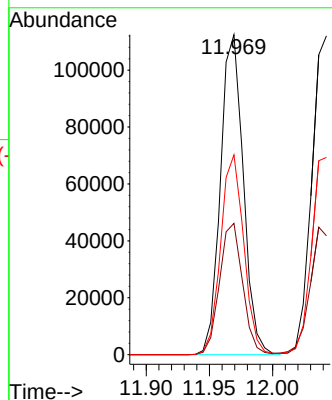
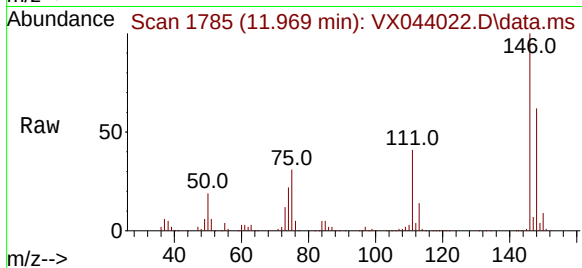
148 63.3 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#88

1,4-Dichlorobenzene

Concen: 44.115 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

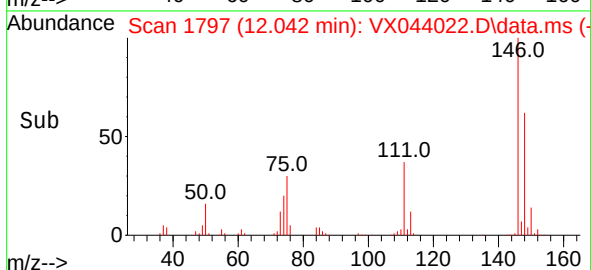
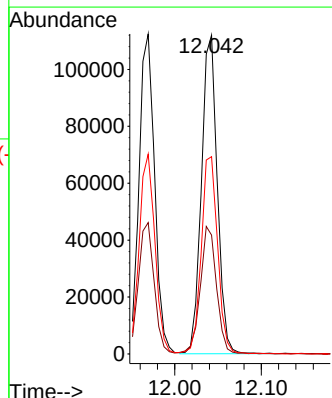
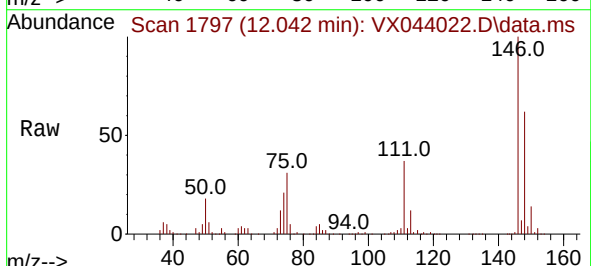
Tgt Ion:146 Resp: 142203

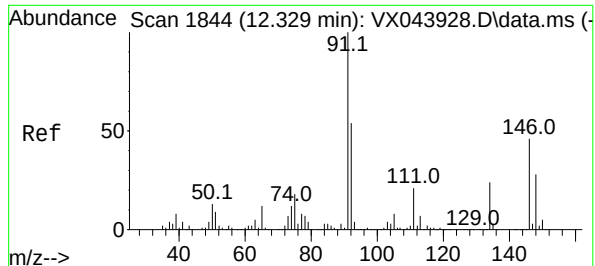
Ion Ratio Lower Upper

146 100

111 41.1 20.1 60.3

148 64.2 30.9 92.8





#89

n-Butylbenzene

Concen: 45.814 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 23855

Ion Ratio Lower Upper

91 100

92 53.3 26.6 79.8

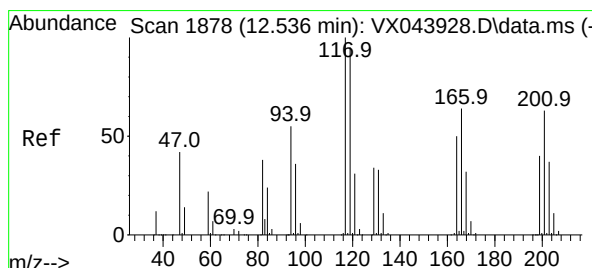
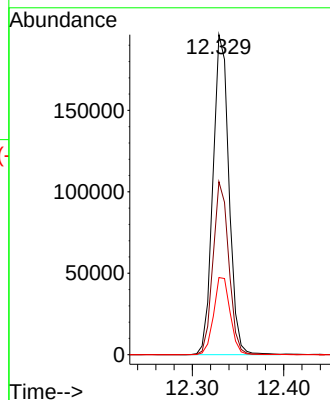
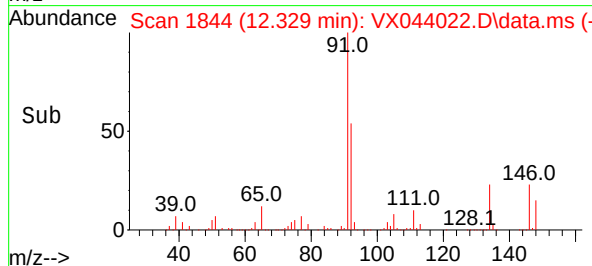
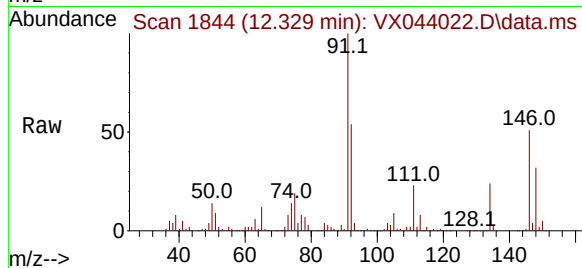
134 25.0 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#90

Hexachloroethane

Concen: 43.087 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044022.D

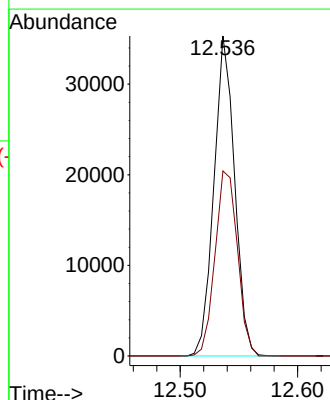
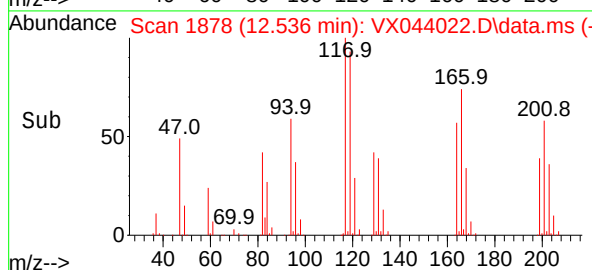
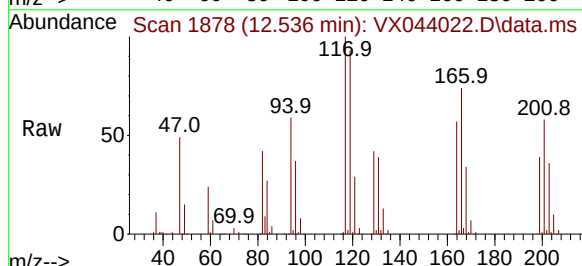
Acq: 26 Nov 2024 17:33

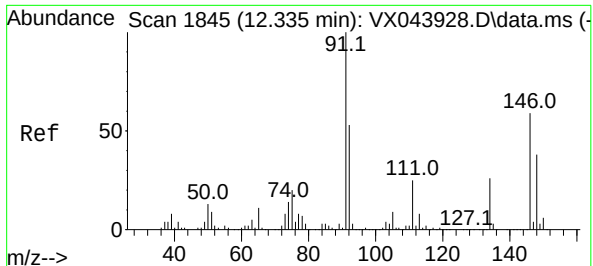
Tgt Ion:117 Resp: 43270

Ion Ratio Lower Upper

117 100

201 62.7 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 44.953 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:146 Resp: 14343

Ion Ratio Lower Upper

146 100

111 42.6 21.5 64.5

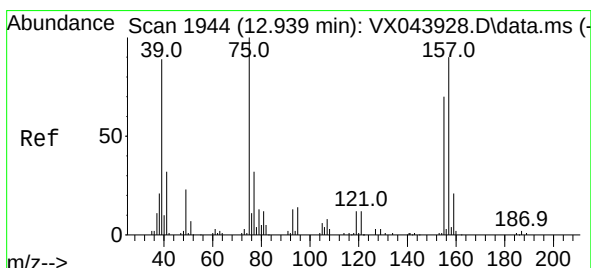
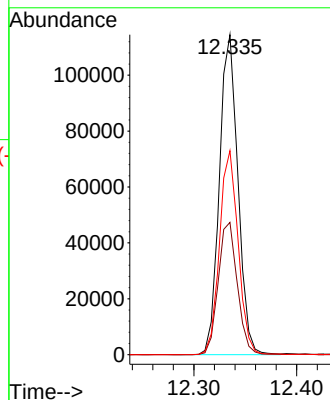
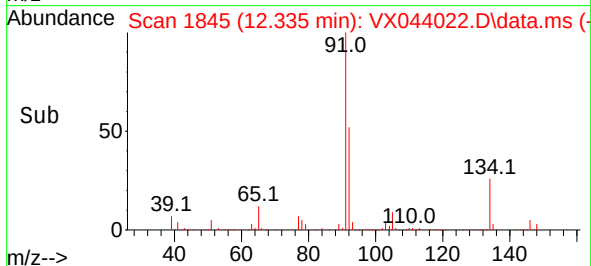
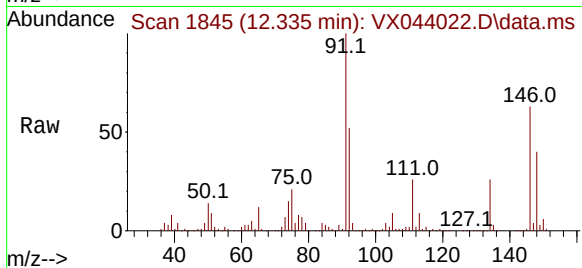
148 64.1 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 42.974 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

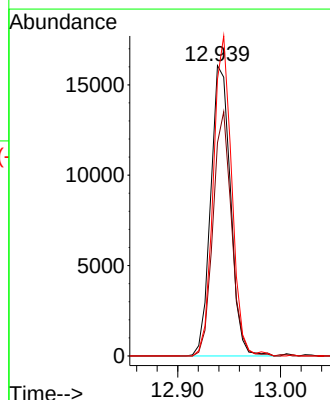
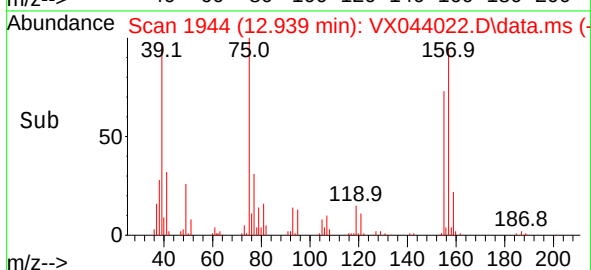
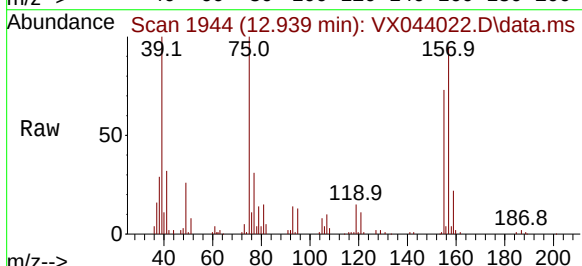
Tgt Ion: 75 Resp: 21456

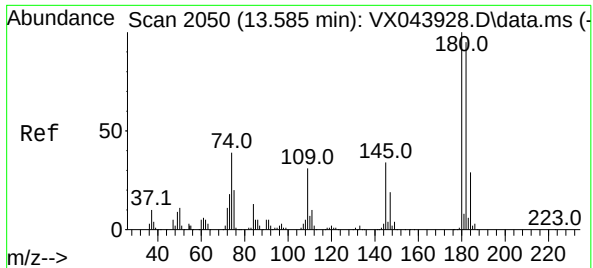
Ion Ratio Lower Upper

75 100

155 78.8 40.1 120.2

157 102.5 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 43.093 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion:180 Resp: 81063

Ion Ratio Lower Upper

180 100

182 96.5 48.0 144.2

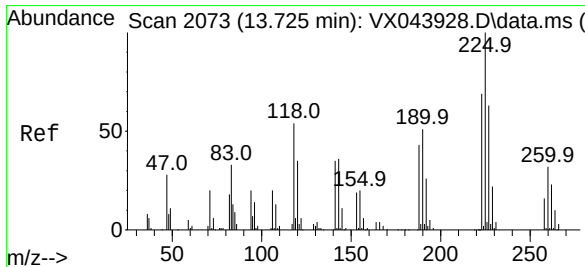
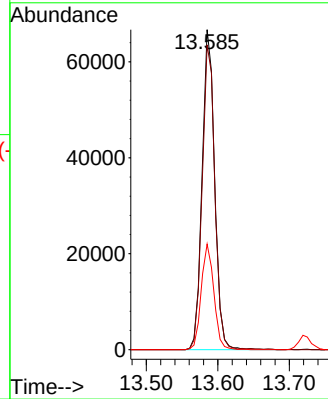
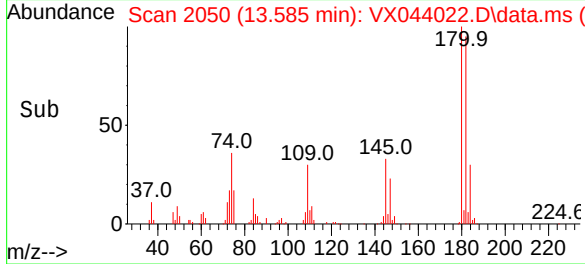
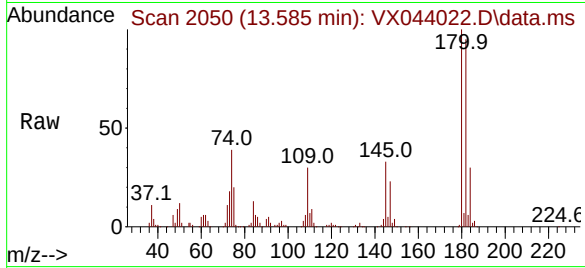
145 33.2 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#94

Hexachlorobutadiene

Concen: 43.704 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

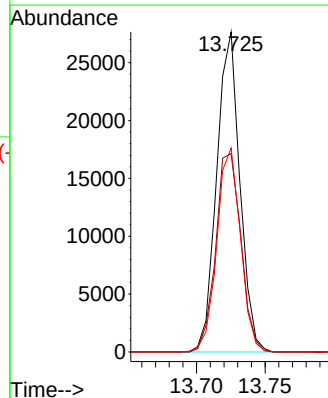
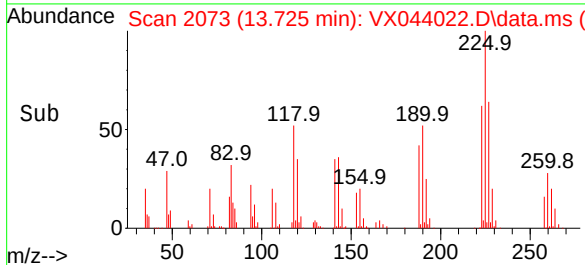
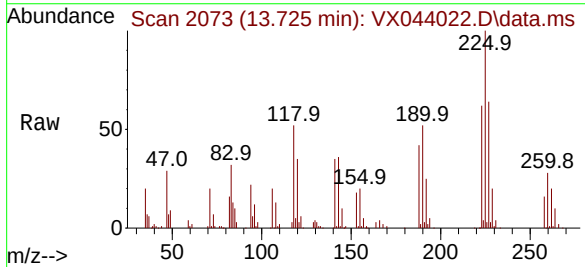
Tgt Ion:225 Resp: 32492

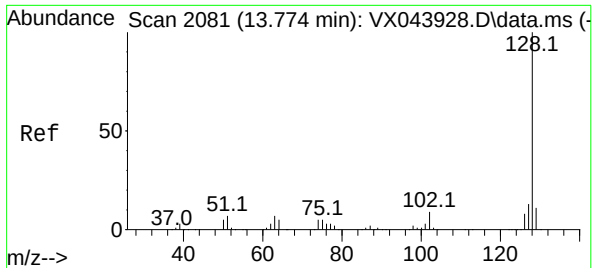
Ion Ratio Lower Upper

225 100

223 67.5 32.9 98.6

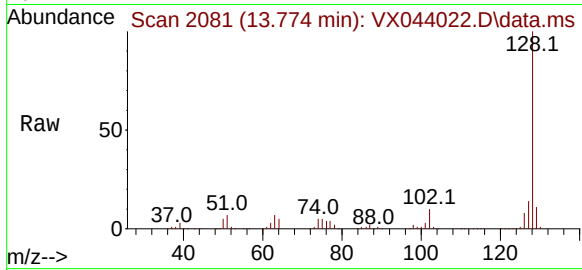
227 64.8 31.6 94.8





#95  
Naphthalene  
Concen: 45.077 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

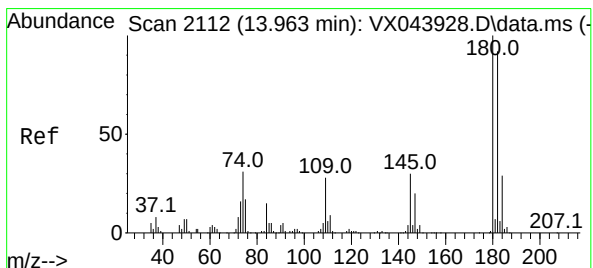
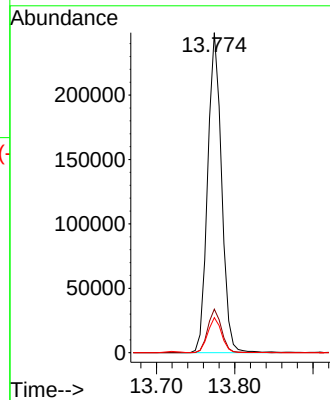
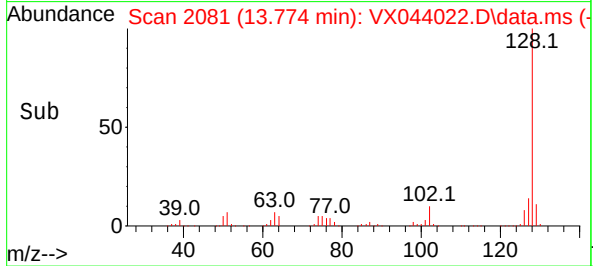
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC



Tgt Ion:128 Resp: 305240  
Ion Ratio Lower Upper  
128 100  
127 13.5 10.2 15.2  
129 10.9 8.6 12.8

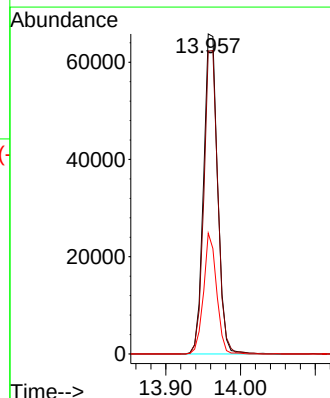
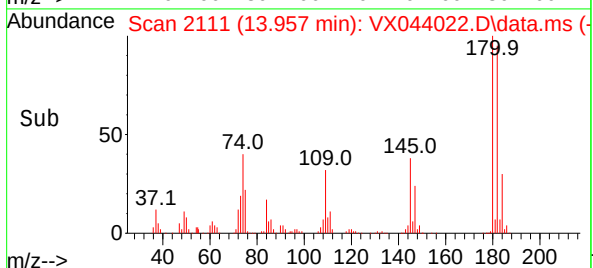
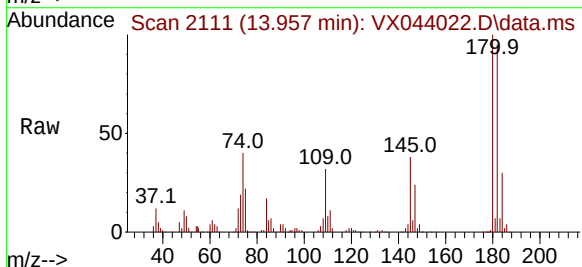
Manual Integrations  
**APPROVED**

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#96  
1,2,3-Trichlorobenzene  
Concen: 44.931 ug/l  
RT: 13.957 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:180 Resp: 85549  
Ion Ratio Lower Upper  
180 100  
182 94.9 45.6 136.8  
145 35.0 16.4 49.4





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 94    | 0.01     |
| 2 T   | Dichlorodifluoromethane     | 0.633 | 0.531 | 16.1  | 73    | 0.00     |
| 3 P   | Chloromethane               | 0.667 | 0.587 | 12.0  | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.709 | 0.625 | 11.8# | 77    | 0.00     |
| 5 T   | Bromomethane                | 0.436 | 0.405 | 7.1   | 85    | 0.00     |
| 6 T   | Chloroethane                | 0.432 | 0.429 | 0.7   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.268 | 1.220 | 3.8   | 84    | 0.00     |
| 8 T   | Diethyl Ether               | 0.462 | 0.426 | 7.8   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.605 | 0.526 | 13.1  | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 0.755 | 0.677 | 10.3  | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.138 | 0.121 | 12.3  | 78    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.576 | 0.499 | 13.4# | 78    | 0.00     |
| 13 T  | Acrolein                    | 0.145 | 0.166 | -14.5 | 107   | 0.00     |
| 14 T  | Allyl chloride              | 0.941 | 0.858 | 8.8   | 77    | 0.00     |
| 15 T  | Acrylonitrile               | 0.335 | 0.313 | 6.6   | 79    | 0.00     |
| 16 T  | Acetone                     | 0.394 | 0.316 | 19.8  | 70    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.188 | 0.859 | 27.7# | 62    | 0.00     |
| 18 T  | Methyl Acetate              | 0.917 | 0.850 | 7.3   | 81    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.092 | 1.931 | 7.7   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 0.668 | 0.581 | 13.0  | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.595 | 0.527 | 11.4  | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.013 | 1.870 | 7.1   | 81    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.722 | 1.613 | 6.3   | 78    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.161 | 1.072 | 7.7   | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 0.508 | 0.469 | 7.7   | 77    | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 1.049 | 0.908 | 13.4  | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.735 | 0.659 | 10.3  | 78    | 0.00     |
| 28 T  | Bromochloromethane          | 0.511 | 0.426 | 16.6  | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.312 | 0.287 | 8.0   | 79    | 0.00     |
| 30 C  | Chloroform                  | 1.249 | 1.156 | 7.4#  | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 0.956 | 0.792 | 17.2  | 71    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.077 | 0.986 | 8.4   | 78    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.858 | 0.784 | 8.6   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.357 | 0.329 | 7.8   | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.445 | 0.400 | 10.1  | 78    | 0.01     |
| 37 T  | Ethyl Acetate               | 0.553 | 0.510 | 7.8   | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.500 | 0.442 | 11.6  | 76    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.578 | 0.472 | 18.3  | 69    | 0.00     |
| 40 TM | Benzene                     | 1.387 | 1.245 | 10.2  | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.283 | 0.272 | 3.9   | 80    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 0.557 | 0.514 | 7.7   | 82    | 0.01     |
| 43 T  | Isopropyl Acetate           | 0.880 | 0.808 | 8.2   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 0.393 | 0.304 | 22.6  | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.340 | 0.315 | 7.4#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 0.269 | 0.248 | 7.8   | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.482 | 0.449 | 6.8   | 80    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.422 | 0.388 | 8.1   | 80    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.008 | 0.008 | 0.0  | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 1.232 | 1.084 | 12.0 | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.537 | 0.521 | 3.0  | 83    | 0.00     |
| 52 CM | Toluene                     | 0.830 | 0.763 | 8.1# | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.491 | 0.452 | 7.9  | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.539 | 0.492 | 8.7  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.343 | 0.319 | 7.0  | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.534 | 0.502 | 6.0  | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.577 | 0.540 | 6.4  | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.273 | 0.240 | 12.1 | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.403 | 0.386 | 4.2  | 79    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.344 | 0.321 | 6.7  | 78    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.346 | 0.326 | 5.8  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.419 | 0.387 | 7.6  | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0  | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.330 | 0.292 | 11.5 | 79    | 0.00     |
| 65 PM | Chlorobenzene               | 1.098 | 0.968 | 11.8 | 80    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.356 | 0.335 | 5.9  | 80    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.861 | 1.701 | 8.6# | 80    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.694 | 0.636 | 8.4  | 79    | 0.00     |
| 69 T  | o-Xylene                    | 0.678 | 0.627 | 7.5  | 79    | 0.00     |
| 70 T  | Styrene                     | 1.121 | 1.060 | 5.4  | 80    | 0.00     |
| 71 P  | Bromoform                   | 0.240 | 0.221 | 7.9  | 74    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0  | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 3.843 | 3.481 | 9.4  | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 1.780 | 1.660 | 6.7  | 79    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.316 | 1.216 | 7.6  | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.096 | 1.008 | 8.0  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 0.917 | 0.830 | 9.5  | 80    | 0.00     |
| 78 T  | n-propylbenzene             | 4.293 | 3.943 | 8.2  | 79    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.714 | 2.419 | 10.9 | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.162 | 2.856 | 9.7  | 78    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.402 | 0.333 | 17.2 | 71    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.064 | 2.781 | 9.2  | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.134 | 2.868 | 8.5  | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.148 | 2.911 | 7.5  | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 3.840 | 3.476 | 9.5  | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.119 | 2.915 | 6.5  | 78    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.670 | 1.490 | 10.8 | 80    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.702 | 1.502 | 11.8 | 80    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.750 | 2.520 | 8.4  | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 0.530 | 0.457 | 13.8 | 73    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.685 | 1.515 | 10.1 | 81    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.264 | 0.227 | 14.0 | 75    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.994 | 0.856 | 13.9 | 75    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.393 | 0.343 | 12.7 | 79    | 0.00     |
| 95 T  | Naphthalene                 | 3.576 | 3.224 | 9.8  | 76    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044022.D  
Acq On : 26 Nov 2024 17:33  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 0.904 | 10.1 | 76    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 94    | 0.01     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 41.882  | 16.2  | 73    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.054  | 11.9  | 79    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.064  | 11.9# | 77    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.486  | 7.0   | 85    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 49.670  | 0.7   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.109  | 3.8   | 84    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 46.152  | 7.7   | 84    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 43.492  | 13.0  | 75    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 44.825  | 10.3  | 78    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 219.930 | 12.0  | 78    | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 43.287  | 13.4# | 78    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 285.786 | -14.3 | 107   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 45.581  | 8.8   | 77    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 233.535 | 6.6   | 79    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 200.637 | 19.7  | 70    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 36.160  | 27.7# | 62    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 46.313  | 7.4   | 81    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 46.146  | 7.7   | 80    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 43.471  | 13.1  | 81    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 44.286  | 11.4  | 78    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 46.457  | 7.1   | 81    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 234.240 | 6.3   | 78    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 46.159  | 7.7   | 80    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 230.549 | 7.8   | 77    | 0.01     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 43.277  | 13.4  | 74    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 44.837  | 10.3  | 78    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 41.693  | 16.6  | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 230.219 | 7.9   | 79    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 46.281  | 7.4#  | 82    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 41.440  | 17.1  | 71    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 45.750  | 8.5   | 78    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 45.721  | 8.6   | 98    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 96    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 46.085  | 7.8   | 97    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 44.899  | 10.2  | 78    | 0.01     |
| 37 T  | Ethyl Acetate               | 50.000  | 46.163  | 7.7   | 81    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 44.128  | 11.7  | 76    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 40.771  | 18.5  | 69    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 44.870  | 10.3  | 80    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 48.072  | 3.9   | 80    | 0.01     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 46.148  | 7.7   | 82    | 0.01     |
| 43 T  | Isopropyl Acetate           | 50.000  | 45.956  | 8.1   | 80    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 38.741  | 22.5  | 79    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 46.363  | 7.3#  | 82    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 46.080  | 7.8   | 82    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 46.539  | 6.9   | 80    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 46.007  | 8.0   | 80    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|       | Compound                    | Amount   | Calc.   | %Dev | Area% | Dev(min) |
|-------|-----------------------------|----------|---------|------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 998.146 | 0.2  | 89    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 44.028  | 11.9 | 95    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 242.496 | 3.0  | 83    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 45.970  | 8.1# | 80    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 45.983  | 8.0  | 77    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 45.674  | 8.7  | 78    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 46.503  | 7.0  | 83    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 46.987  | 6.0  | 79    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 46.788  | 6.4  | 83    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 204.586 | 18.2 | 75    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 238.945 | 4.4  | 79    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 46.621  | 6.8  | 78    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 47.112  | 5.8  | 82    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 46.200  | 7.6  | 96    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000  | 0.0  | 95    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 44.283  | 11.4 | 79    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 44.078  | 11.8 | 80    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 46.975  | 6.0  | 80    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 45.714  | 8.6# | 80    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 91.591  | 8.4  | 79    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 46.288  | 7.4  | 79    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 47.303  | 5.4  | 80    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 41.511  | 17.0 | 74    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000  | 0.0  | 94    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.287  | 9.4  | 80    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 46.621  | 6.8  | 79    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 46.217  | 7.6  | 82    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 45.977  | 8.0  | 81    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 45.286  | 9.4  | 80    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 45.927  | 8.1  | 79    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.554  | 10.9 | 80    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 45.154  | 9.7  | 78    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 41.465  | 17.1 | 71    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 45.372  | 9.3  | 79    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 45.748  | 8.5  | 79    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 46.231  | 7.5  | 80    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 45.265  | 9.5  | 77    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 46.734  | 6.5  | 78    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 44.616  | 10.8 | 80    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 44.115  | 11.8 | 80    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 45.814  | 8.4  | 75    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 43.087  | 13.8 | 73    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 44.953  | 10.1 | 81    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 42.974  | 14.1 | 75    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 43.093  | 13.8 | 75    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 43.704  | 12.6 | 79    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 45.077  | 9.8  | 76    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044022.D  
Acq On : 26 Nov 2024 17:33  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Nov 27 00:56:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 44.931 | 10.1 | 76    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



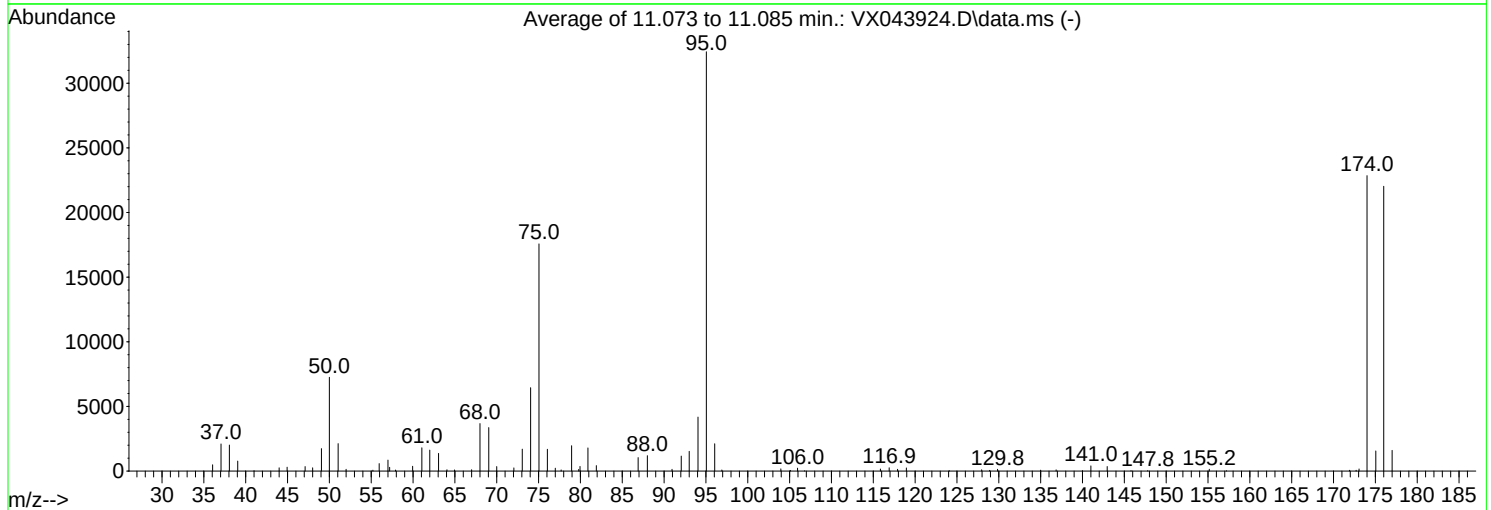
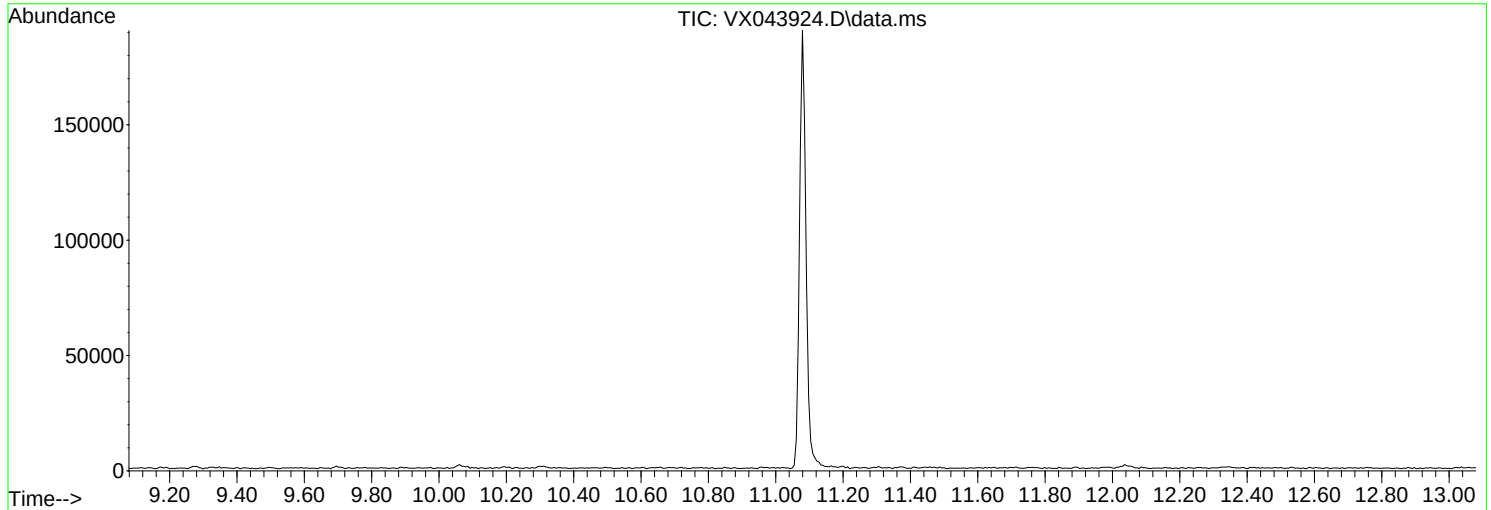
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043924.D  
Acq On : 21 Nov 2024 08:51  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112024W.M  
Title : SW846 8260  
Last Update : Fri Nov 22 00:18:05 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 22.4         | 7254       | PASS                |
| 75             | 95              | 30              | 60              | 54.2         | 17573      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 32437      | PASS                |
| 96             | 95              | 5               | 9               | 6.5          | 2112       | PASS                |
| 173            | 174             | 0.00            | 2               | 0.7          | 162        | PASS                |
| 174            | 95              | 50              | 100             | 70.5         | 22853      | PASS                |
| 175            | 174             | 5               | 9               | 6.8          | 1557       | PASS                |
| 176            | 174             | 95              | 101             | 96.4         | 22030      | PASS                |
| 177            | 176             | 5               | 9               | 7.3          | 1600       | PASS                |

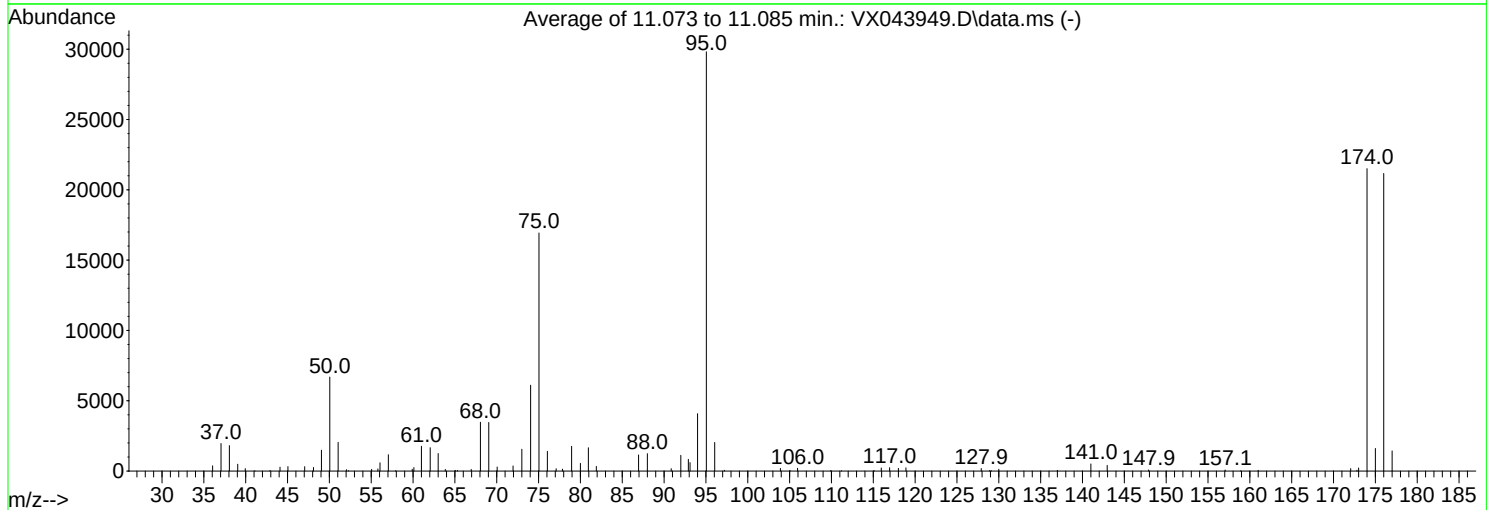
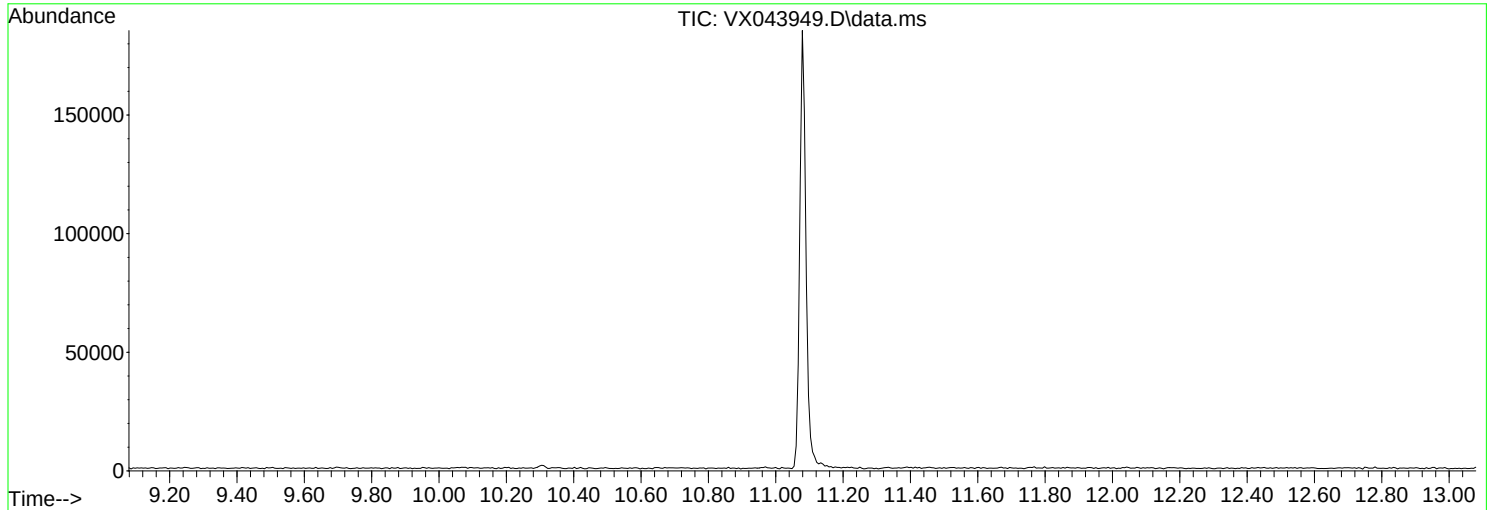


Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043949.D  
Acq On : 22 Nov 2024 10:54  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Title : SW846 8260  
Last Update : Fri Nov 22 03:45:52 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

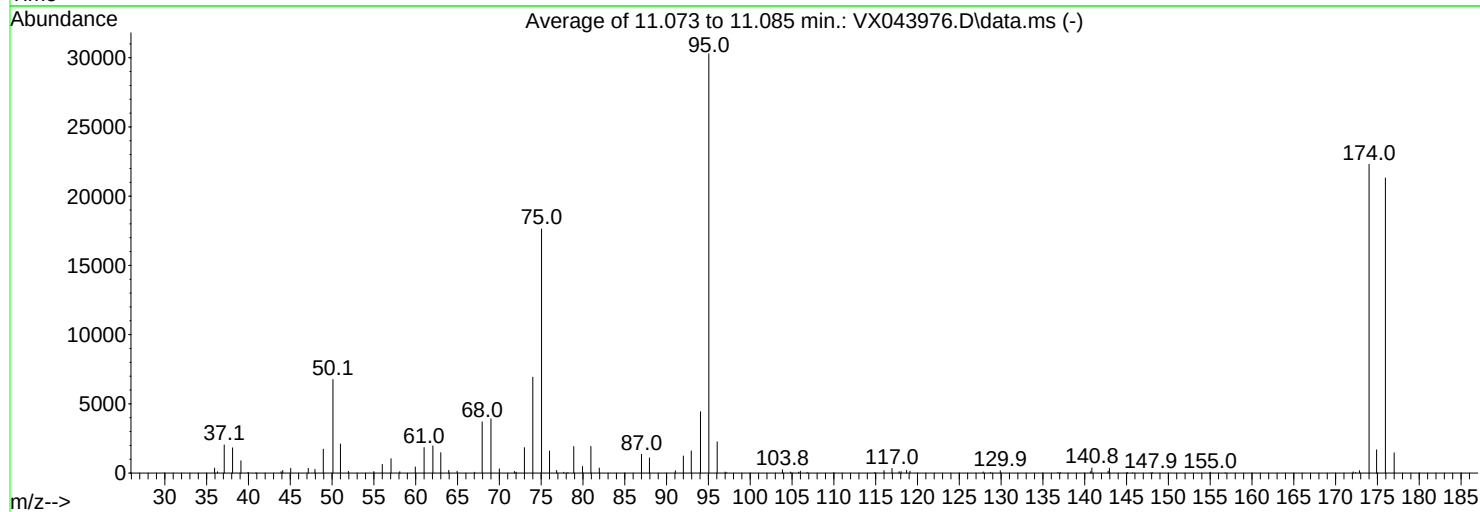
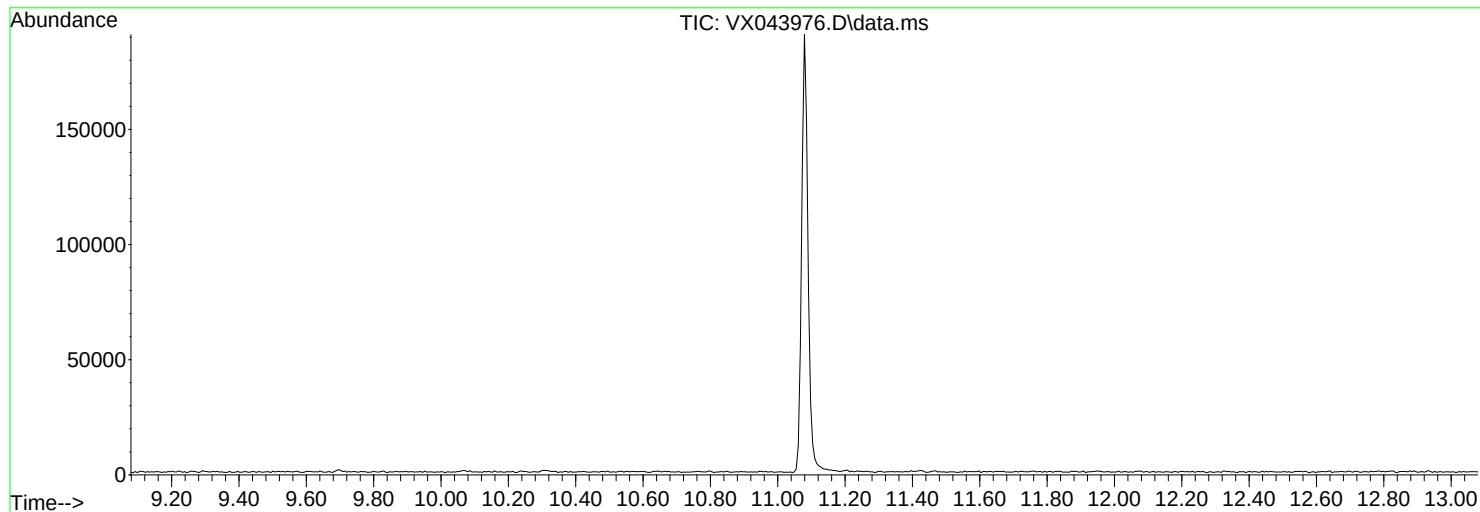
| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 22.4         | 6686       | PASS                |
| 75             | 95              | 30              | 60              | 56.8         | 16932      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 29819      | PASS                |
| 96             | 95              | 5               | 9               | 6.8          | 2035       | PASS                |
| 173            | 174             | 0.00            | 2               | 1.0          | 222        | PASS                |
| 174            | 95              | 50              | 100             | 72.1         | 21506      | PASS                |
| 175            | 174             | 5               | 9               | 7.5          | 1609       | PASS                |
| 176            | 174             | 95              | 101             | 98.4         | 21161      | PASS                |
| 177            | 176             | 5               | 9               | 6.8          | 1436       | PASS                |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043976.D  
Acq On : 25 Nov 2024 10:59  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Title : SW846 8260  
Last Update : Fri Nov 22 03:45:52 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

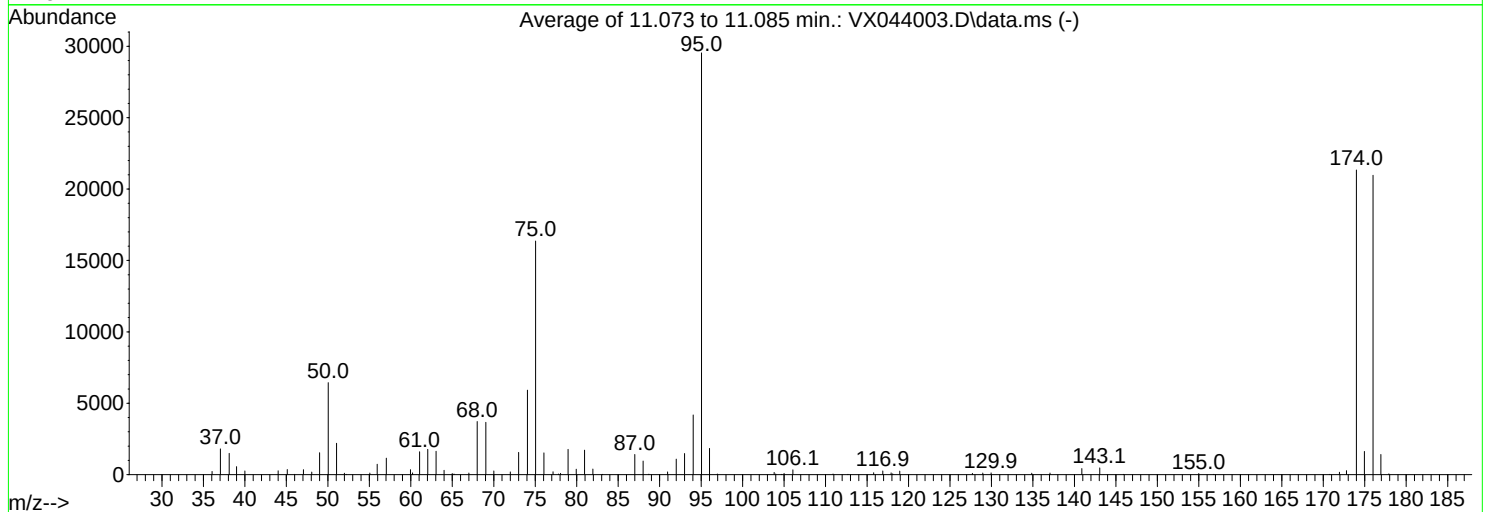
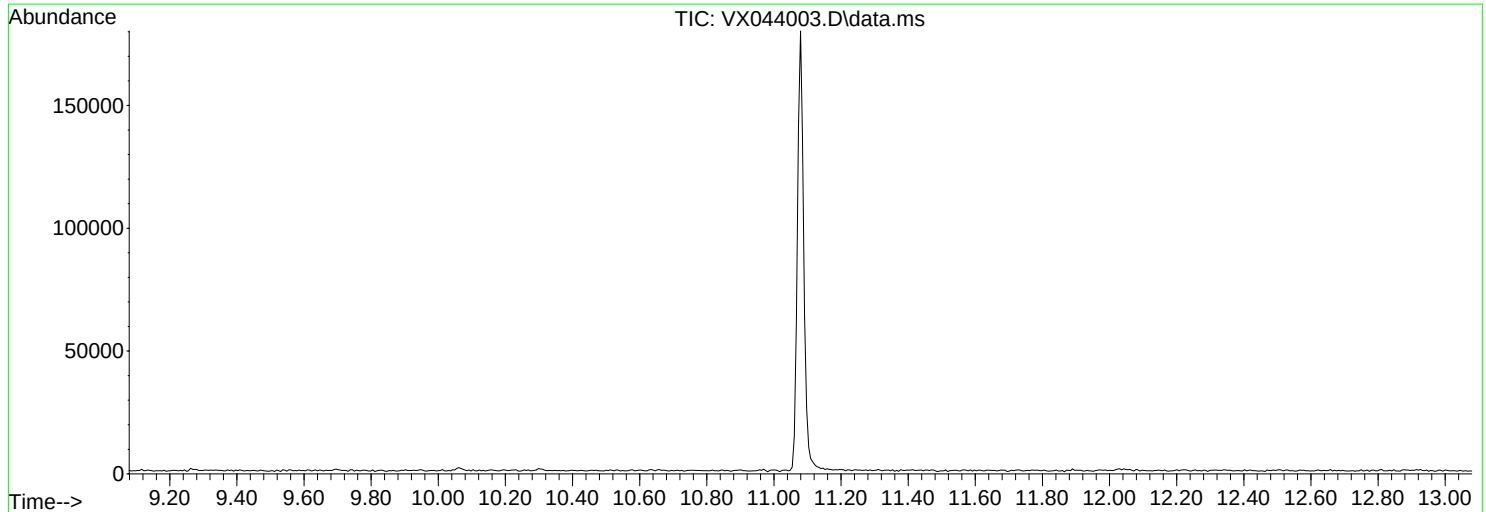
| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 22.3         | 6761       | PASS                |
| 75             | 95              | 30              | 60              | 58.2         | 17633      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 30288      | PASS                |
| 96             | 95              | 5               | 9               | 7.5          | 2258       | PASS                |
| 173            | 174             | 0.00            | 2               | 0.8          | 174        | PASS                |
| 174            | 95              | 50              | 100             | 73.6         | 22298      | PASS                |
| 175            | 174             | 5               | 9               | 7.5          | 1678       | PASS                |
| 176            | 174             | 95              | 101             | 95.6         | 21315      | PASS                |
| 177            | 176             | 5               | 9               | 6.9          | 1462       | PASS                |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044003.D  
Acq On : 26 Nov 2024 08:09  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Title : SW846 8260  
Last Update : Fri Nov 22 03:45:52 2024



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

| Target | Rel. to | Lower  | Upper  | Rel.  | Raw   | Result    |
|--------|---------|--------|--------|-------|-------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn   | Pass/Fail |
| 50     | 95      | 15     | 40     | 21.8  | 6446  | PASS      |
| 75     | 95      | 30     | 60     | 55.4  | 16364 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 29541 | PASS      |
| 96     | 95      | 5      | 9      | 6.2   | 1841  | PASS      |
| 173    | 174     | 0.00   | 2      | 1.3   | 278   | PASS      |
| 174    | 95      | 50     | 100    | 72.2  | 21339 | PASS      |
| 175    | 174     | 5      | 9      | 7.6   | 1625  | PASS      |
| 176    | 174     | 95     | 101    | 98.3  | 20968 | PASS      |
| 177    | 176     | 5      | 9      | 6.8   | 1416  | PASS      |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBL01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBL01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043952.D        | 1         |           | 11/22/24 12:13 | VX112224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBL01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBL01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043952.D        | 1         |           | 11/22/24 12:13 | VX112224      |

[illegible]

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | EA Engineering Science & Technology        | Date Collected: |                              |
| Project:           | Scotia, NY - Annual Testing                | Date Received:  |                              |
| Client Sample ID:  | VX1122WBL01                                | SDG No.:        | P4873                        |
| Lab Sample ID:     | VX1122WBL01                                | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043952.D        | 1         |           | 11/22/24 12:13 | VX112224      |

| CAS Number | Parameter    | Conc. | Qualifier | MDL | LOD | LOQ / CRQL | Units |
|------------|--------------|-------|-----------|-----|-----|------------|-------|
|            | unknown1.575 | 5.10  | J         |     |     | 1.57       | ug/L  |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043952.D  
 Acq On : 22 Nov 2024 12:13  
 Operator : JC/MD  
 Sample : VX1122WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBL01

Quant Time: Nov 22 22:19:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 114313   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 223688   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 192949   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 79805    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 99473    | 50.734   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 101.460% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 74511    | 46.617   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 93.240%  |
| 50) Toluene-d8              | 8.647  | 98    | 268134   | 48.666   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.340%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 89774    | 47.877   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 95.760%  |

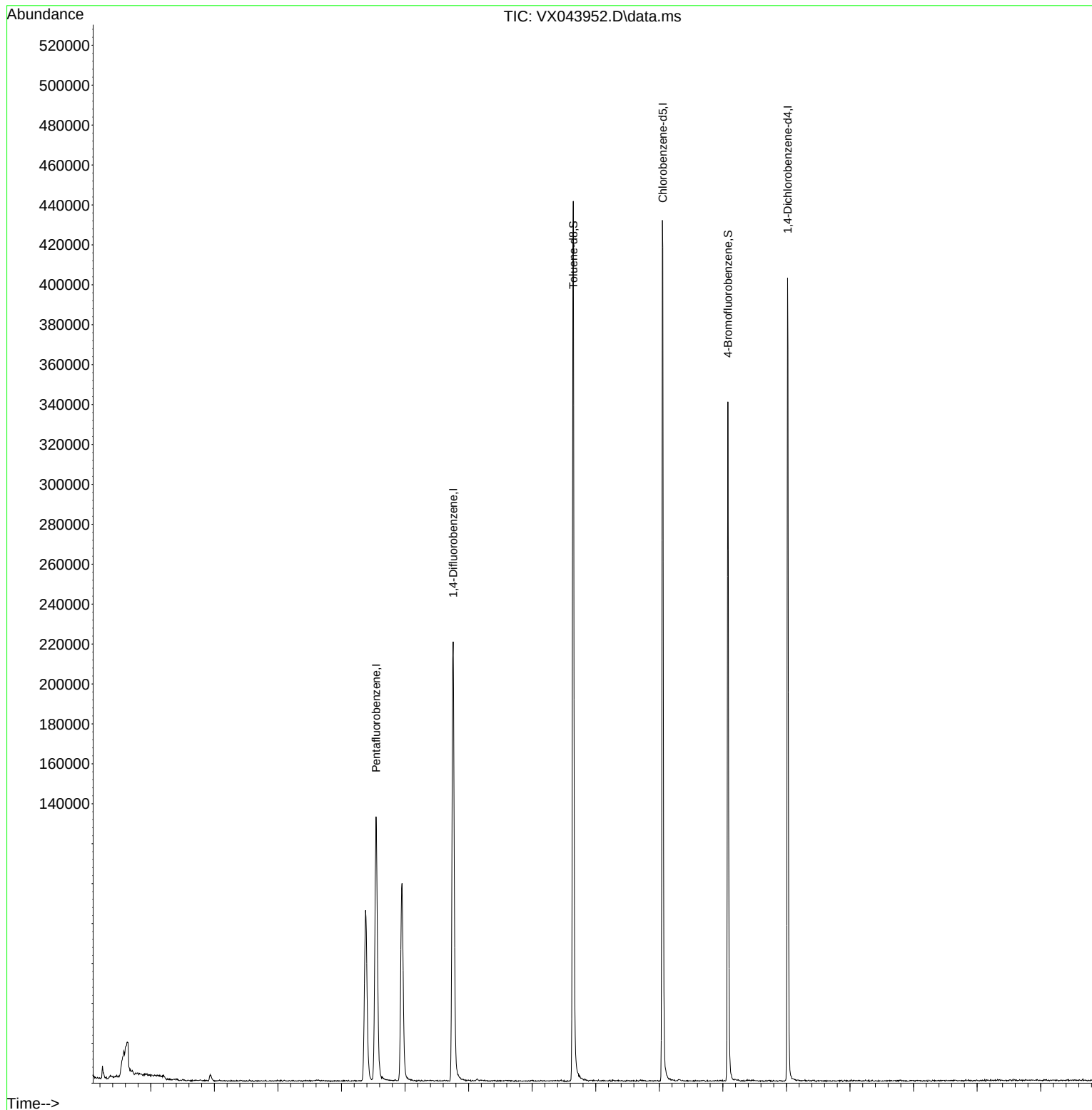
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

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

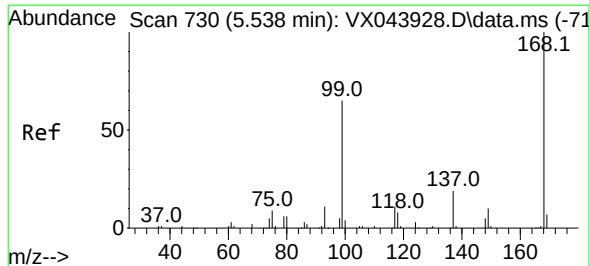
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043952.D  
Acq On : 22 Nov 2024 12:13  
Operator : JC/MD  
Sample : VX1122WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBL01

Quant Time: Nov 22 22:19:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration







#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.006 min

Lab File: VX043952.D

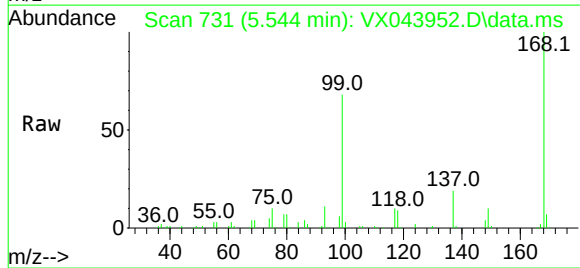
Acq: 22 Nov 2024 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBL01

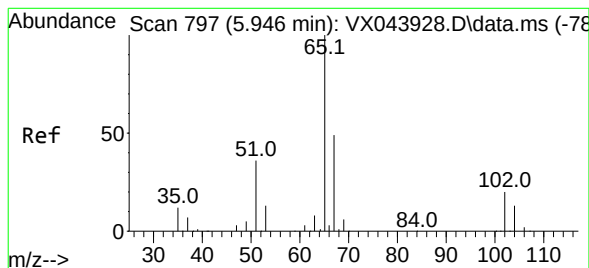
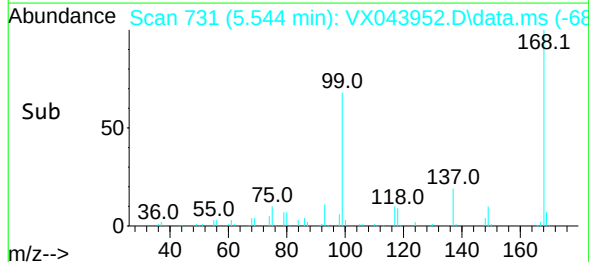
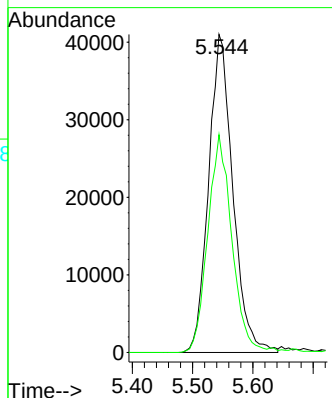


Tgt Ion:168 Resp: 114313

Ion Ratio Lower Upper

168 100

99 68.5 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 50.734 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043952.D

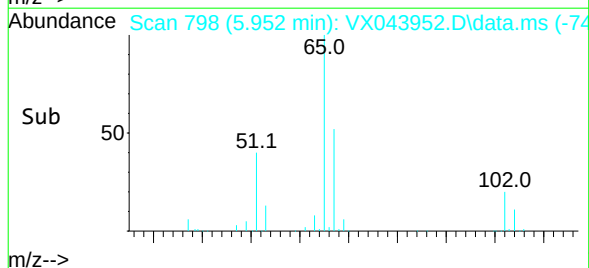
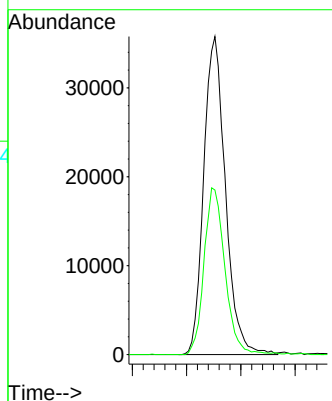
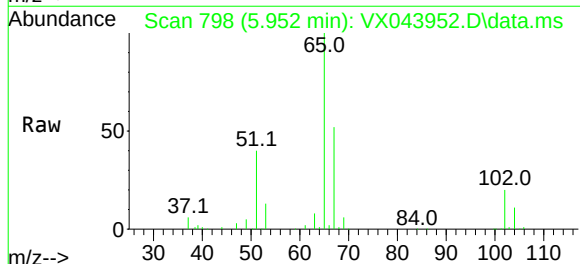
Acq: 22 Nov 2024 12:13

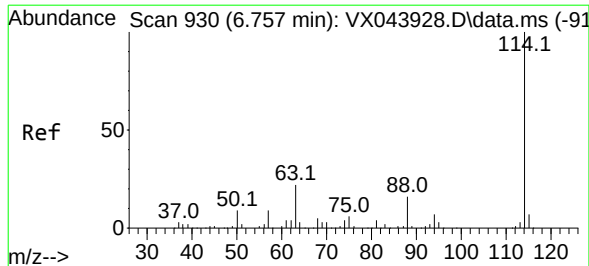
Tgt Ion: 65 Resp: 99473

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043952.D

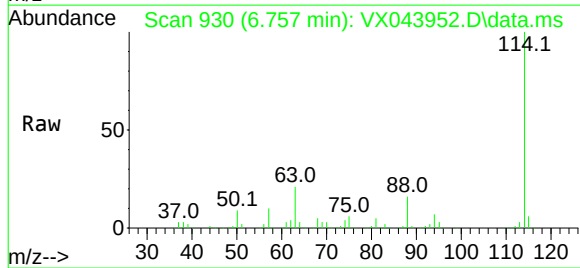
Acq: 22 Nov 2024 12:13

Instrument :

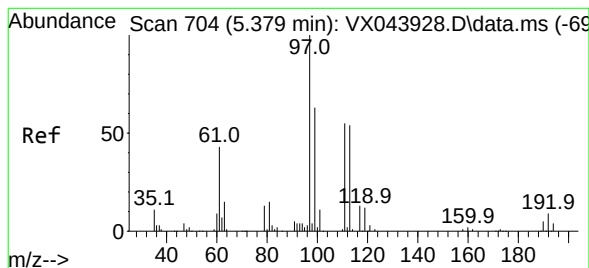
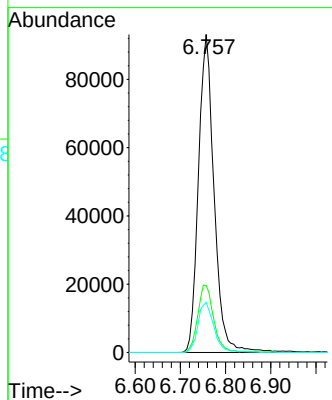
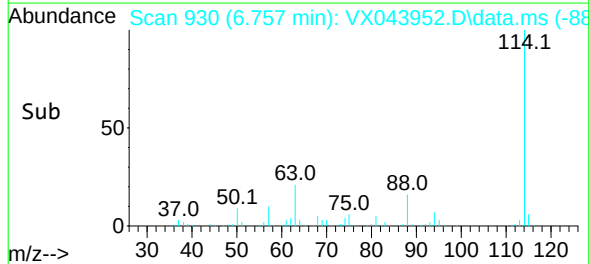
MSVOA\_X

ClientSampleId :

VX1122WBL01



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 223688 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 21.1  | 0.0   | 44.0   |
| 88       | 15.8  | 0.0   | 32.4   |



#35

Dibromofluoromethane

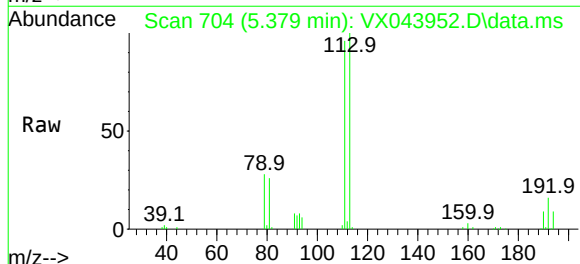
Concen: 46.617 ug/l

RT: 5.379 min Scan# 704

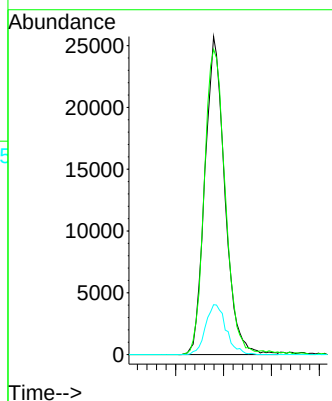
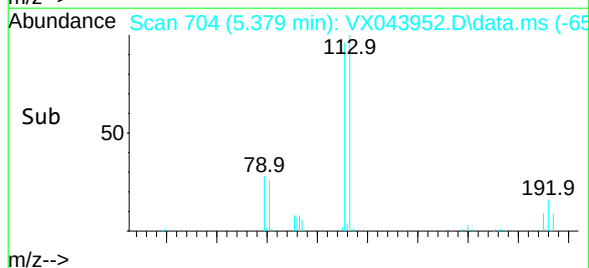
Delta R.T. -0.000 min

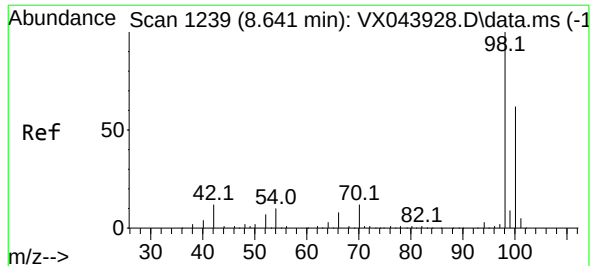
Lab File: VX043952.D

Acq: 22 Nov 2024 12:13



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 74511 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 100.3 | 81.0  | 121.4 |
| 192      | 16.2  | 13.0  | 19.6  |





#50

Toluene-d8

Concen: 48.666 ug/l

RT: 8.647 min Scan# 12

Delta R.T. 0.006 min

Lab File: VX043952.D

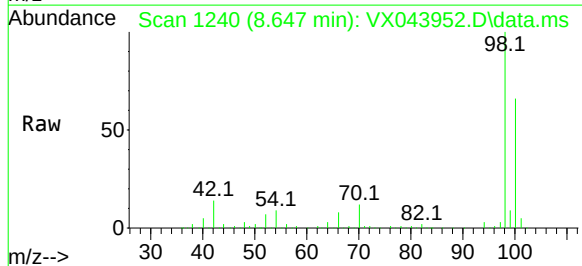
Acq: 22 Nov 2024 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBL01

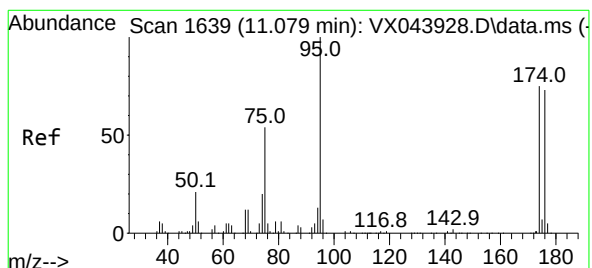
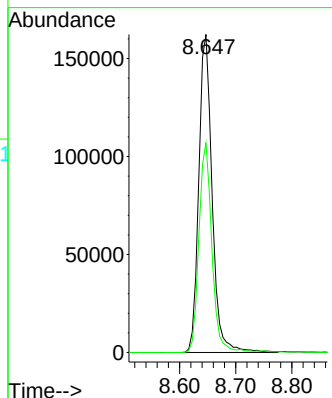
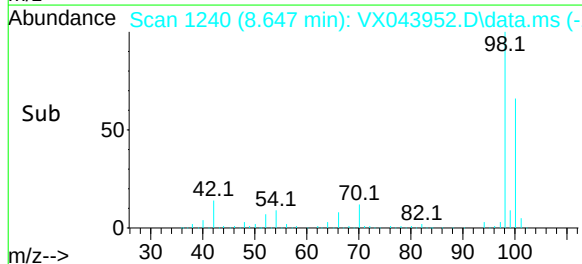


Tgt Ion: 98 Resp: 268134

Ion Ratio Lower Upper

98 100

100 63.9 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 47.877 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043952.D

Acq: 22 Nov 2024 12:13

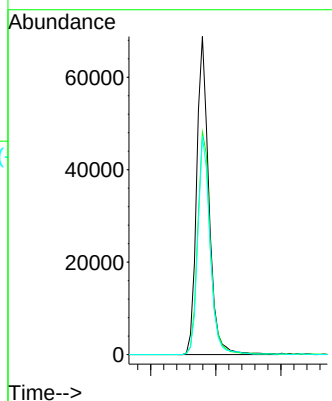
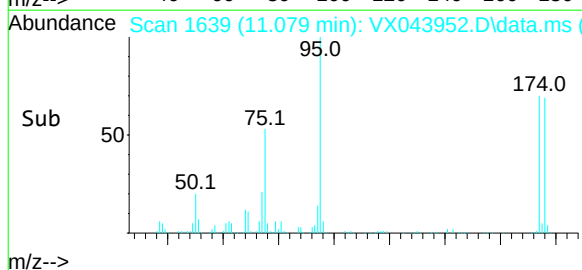
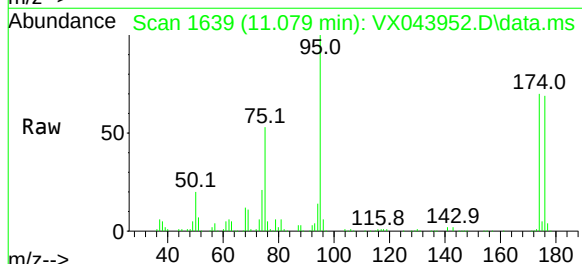
Tgt Ion: 95 Resp: 89774

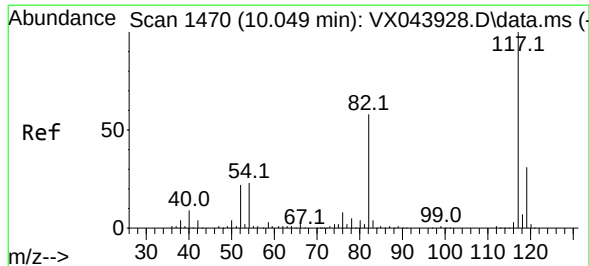
Ion Ratio Lower Upper

95 100

174 72.3 0.0 150.4

176 68.7 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043952.D

Acq: 22 Nov 2024 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBL01

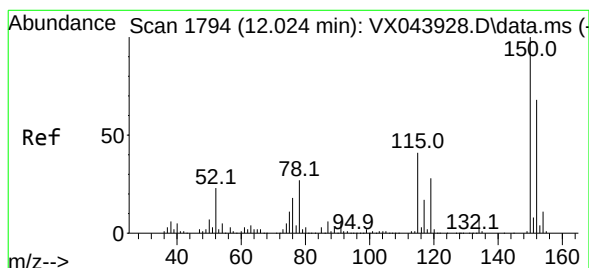
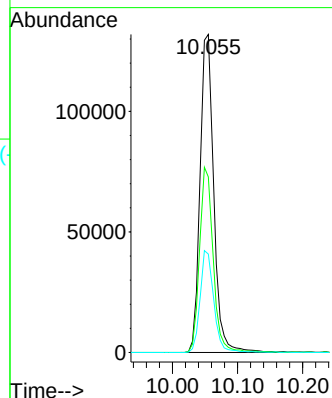
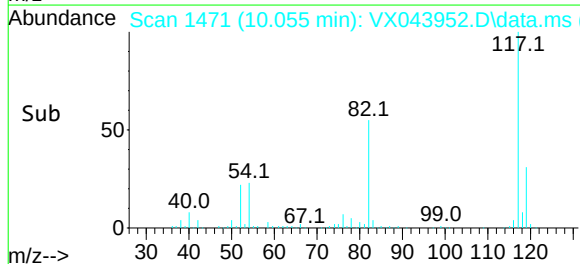
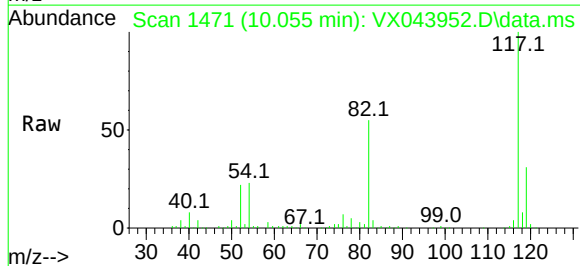
Tgt Ion:117 Resp: 192949

Ion Ratio Lower Upper

117 100

82 55.2 46.4 69.6

119 30.9 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043952.D

Acq: 22 Nov 2024 12:13

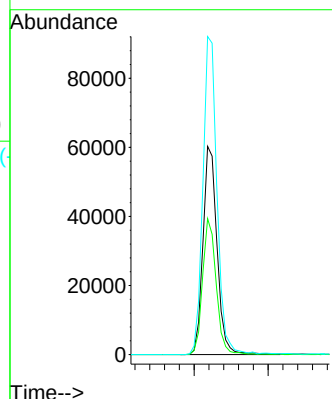
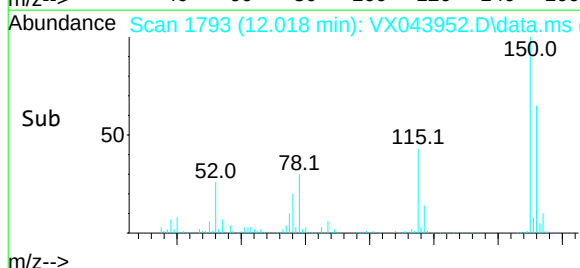
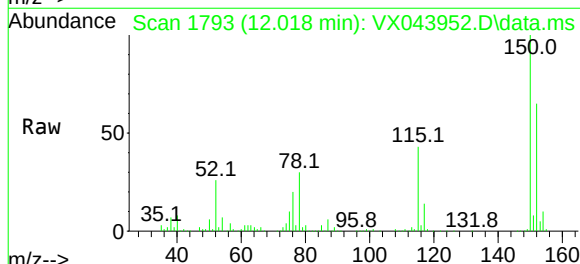
Tgt Ion:152 Resp: 79805

Ion Ratio Lower Upper

152 100

115 63.1 45.4 136.2

150 153.0 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043952.D  
Acq On : 22 Nov 2024 12:13  
Operator : JC/MD  
Sample : VX1122WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

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\82X112124W.M  
Title : SW846 8260

Signal : TIC: VX043952.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         | 1.240       | 21            | 25          | 32           | rBV2     | 6426           | 9591          | 1.30%           | 0.249%        |
| 2         | 1.575       | 68            | 80          | 82           | rBV5     | 12994          | 37633         | 5.12%           | 0.978%        |
| 3         | 1.630       | 82            | 89          | 90           | rVV7     | 6335           | 13526         | 1.84%           | 0.351%        |
| 4         | 2.934       | 298           | 303         | 312          | rBV5     | 3365           | 7995          | 1.09%           | 0.208%        |
| 5         | 5.379       | 693           | 704         | 720          | rBV      | 85484          | 251825        | 34.24%          | 6.541%        |
| 6         | 5.544       | 720           | 731         | 745          | rBV      | 131765         | 372015        | 50.59%          | 9.663%        |
| 7         | 5.952       | 788           | 798         | 814          | rBV      | 98932          | 272636        | 37.07%          | 7.082%        |
| 8         | 6.757       | 921           | 930         | 947          | rBV      | 220196         | 542645        | 73.79%          | 14.095%       |
| 9         | 8.647       | 1232          | 1240        | 1256         | rBV      | 440874         | 735413        | 100.00%         | 19.102%       |
| 10        | 10.049      | 1465          | 1470        | 1486         | rBV      | 431158         | 631770        | 85.91%          | 16.410%       |
| 11        | 11.079      | 1633          | 1639        | 1653         | rBV      | 340236         | 450230        | 61.22%          | 11.695%       |
| 12        | 12.018      | 1788          | 1793        | 1804         | rBV      | 402125         | 524551        | 71.33%          | 13.625%       |

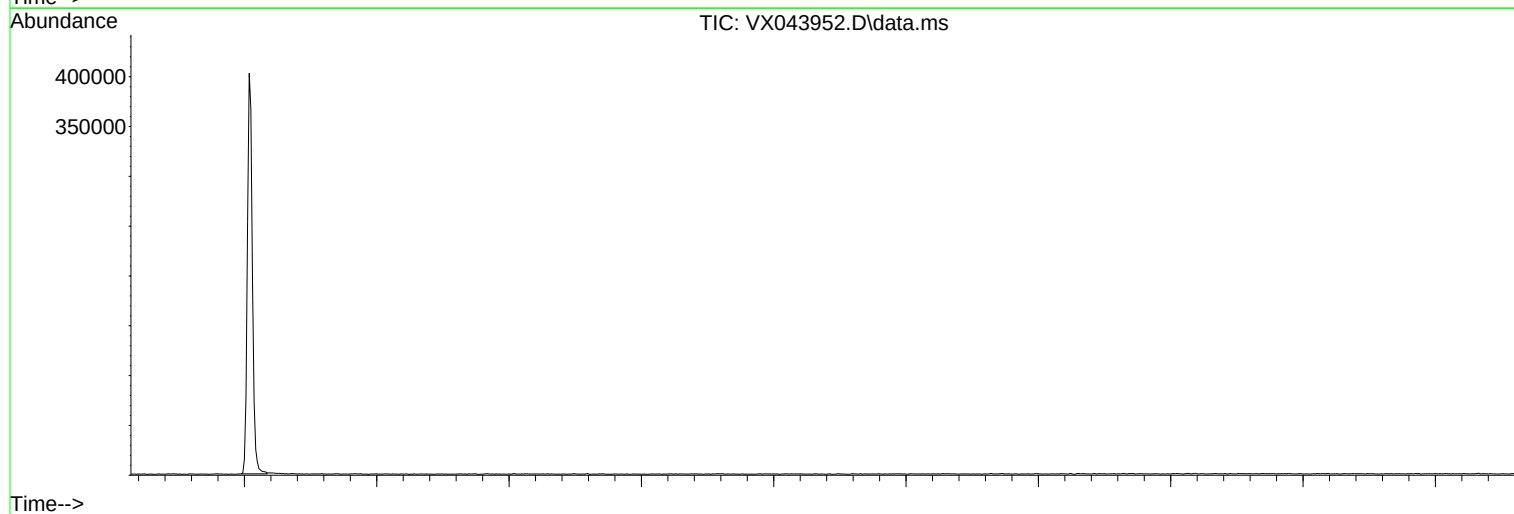
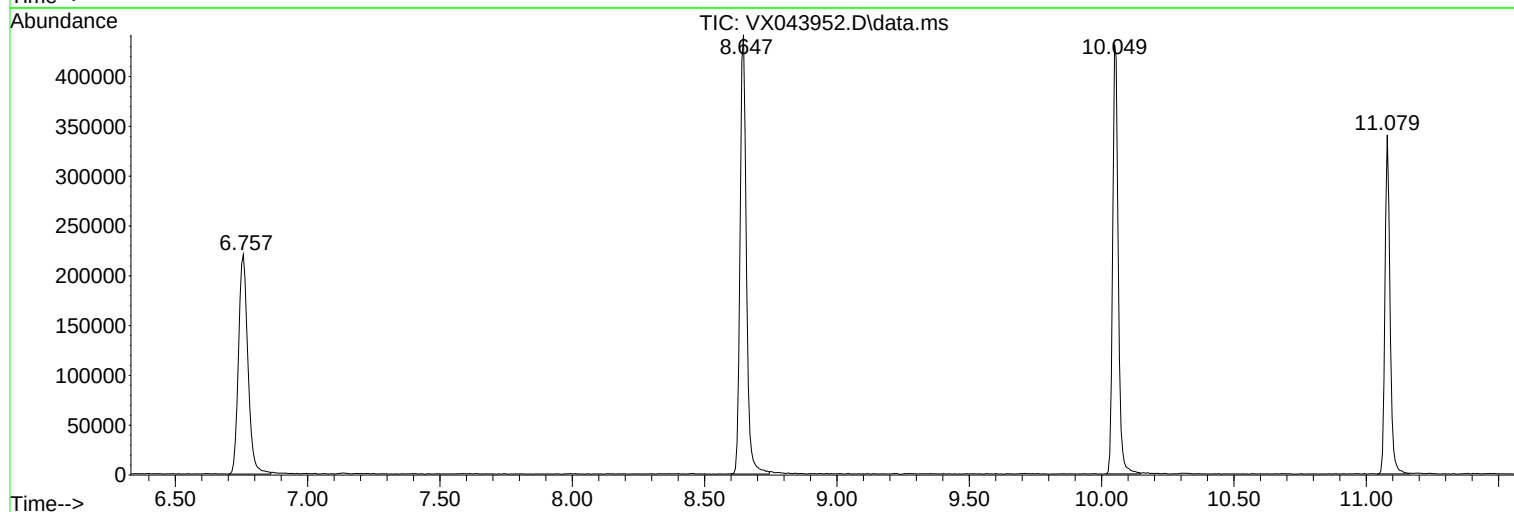
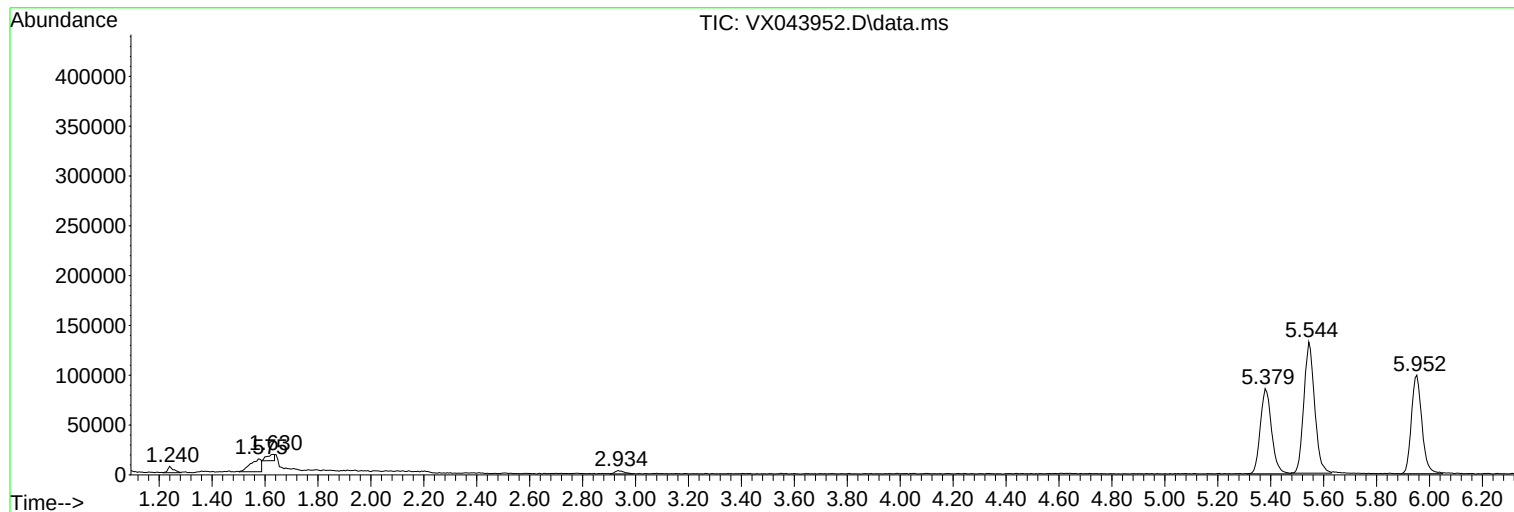
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Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043952.D  
Acq On : 22 Nov 2024 12:13  
Operator : JC/MD  
Sample : VX1122WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBL01

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043952.D  
Acq On : 22 Nov 2024 12:13  
Operator : JC/MD  
Sample : VX1122WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBL01

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

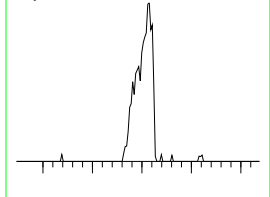
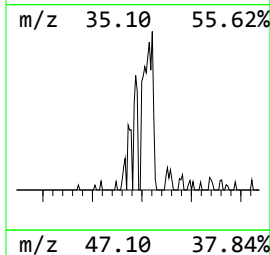
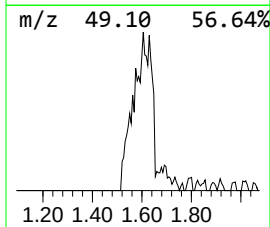
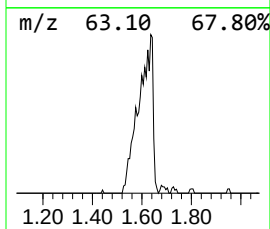
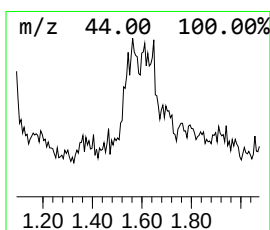
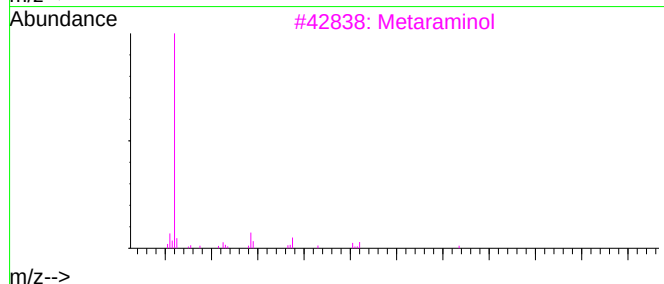
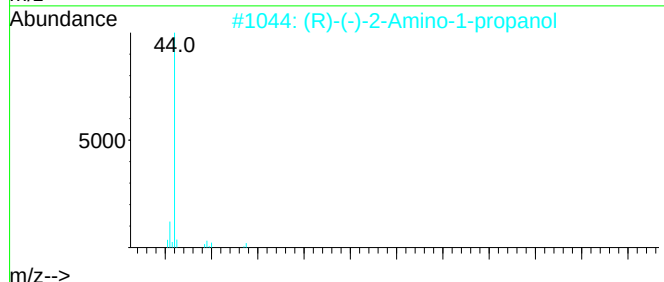
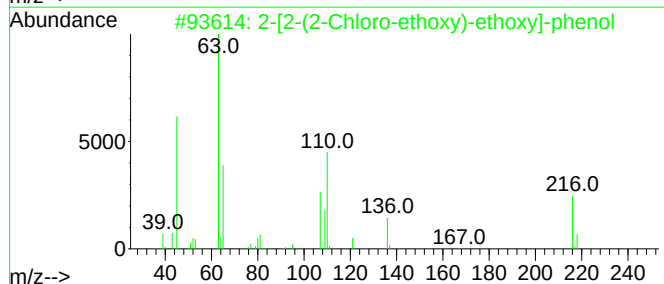
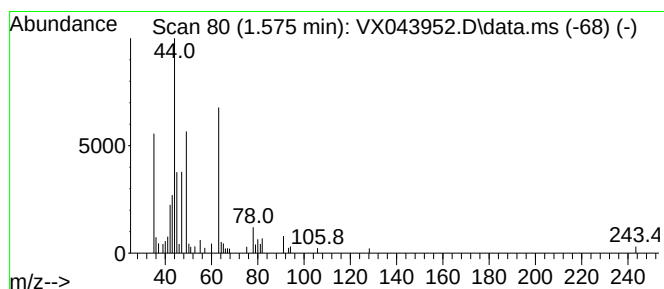
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

Peak Number 1 unknown1.575 Concentration Rank 1

| R.T.  | EstConc   | Area  | Relative to ISTD   | R.T.  |
|-------|-----------|-------|--------------------|-------|
| 1.575 | 5.06 ug/l | 37633 | Pentafluorobenzene | 5.544 |

| Hit# of 5 | Tentative ID                        | MW  | MolForm    | CAS#         | Qual |
|-----------|-------------------------------------|-----|------------|--------------|------|
| 1         | 2-[2-(2-Chloro-ethoxy)-ethoxy]-p... | 216 | C10H13ClO3 | 1000317-46-1 | 10   |
| 2         | (R)-(-)-2-Amino-1-propanol          | 75  | C3H9NO     | 035320-23-1  | 9    |
| 3         | Metaraminol                         | 167 | C9H13NO2   | 000054-49-9  | 9    |
| 4         | acetic acid, 2-chloro-2-(chlorom... | 172 | C4H6Cl2O3  | 1000404-64-5 | 9    |
| 5         | Topotecan                           | 421 | C23H23N3O5 | 1000131-70-7 | 9    |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043952.D  
Acq On : 22 Nov 2024 12:13  
Operator : JC/MD  
Sample : VX1122WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBL01

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

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

| TIC Top Hit name | RT    | EstConc | Units | Response | --Internal Standard-- |       |        |      |
|------------------|-------|---------|-------|----------|-----------------------|-------|--------|------|
|                  |       |         |       |          | #                     | RT    | Resp   | Conc |
| unknown1.575     | 1.575 | 5.1     | ug/l  | 37633    | 1                     | 5.544 | 372015 | 50.0 |



### Report of Analysis

|                    |                                     |           |                 |               |
|--------------------|-------------------------------------|-----------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |           | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |           | Date Received:  |               |
| Client Sample ID:  | VX1125WBL01                         |           | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1125WBL01                         |           | Matrix:         | Water         |
| Analytical Method: | SW8260                              |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043979.D        | 1         |           | 11/25/24 12:18 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1125WBL01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1125WBL01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043979.D        | 1         |           | 11/25/24 12:18 | VX112524      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 2.50   | U         | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.75   | U         | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.50   | U         | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.75   | U         | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 52.0   |           | 81 - 118 |      | 104%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 47.2   |           | 80 - 119 |      | 94%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.6   |           | 89 - 112 |      | 103%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.7   |           | 85 - 114 |      | 101%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 114000 | 5.538     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 224000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 208000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 90700  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                     |           |                 |               |
|--------------------|-------------------------------------|-----------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |           | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |           | Date Received:  |               |
| Client Sample ID:  | VX1125WBL01                         |           | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1125WBL01                         |           | Matrix:         | Water         |
| Analytical Method: | SW8260                              |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043979.D        | 1         |           | 11/25/24 12:18 | VX112524      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043979.D  
 Acq On : 25 Nov 2024 12:18  
 Operator : JC/MD  
 Sample : VX1125WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBL01

Quant Time: Nov 26 00:44:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 113649   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 223629   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 208120   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 90683    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 101387   | 52.013   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 104.020% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 75383    | 47.175   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 94.360%  |
| 50) Toluene-d8              | 8.647  | 98    | 284104   | 51.578   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.160% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 95049    | 50.703   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 101.400% |

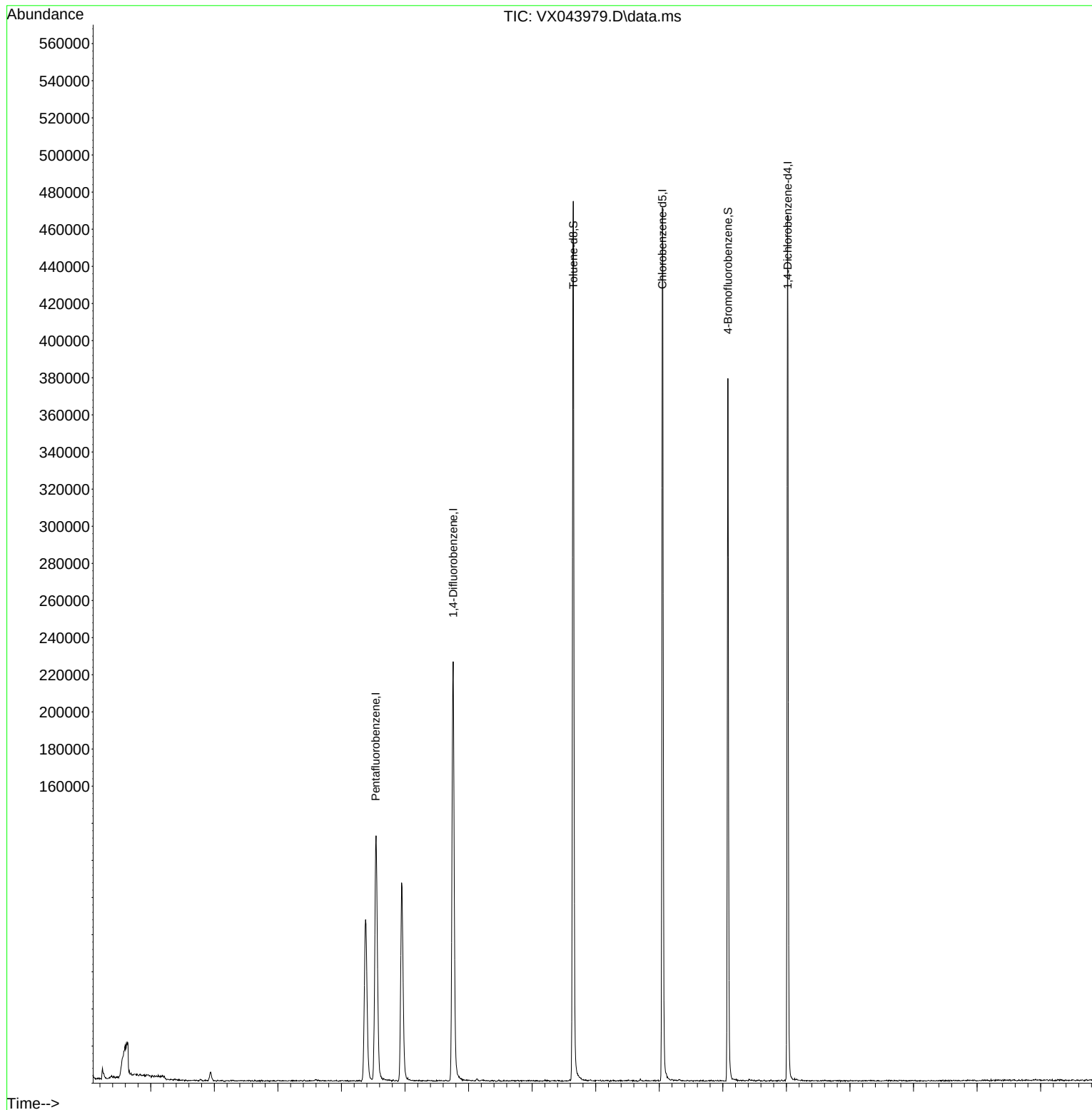
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

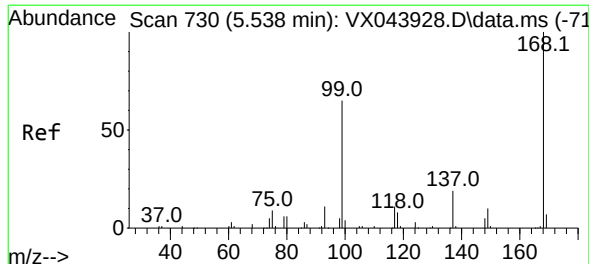
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043979.D  
Acq On : 25 Nov 2024 12:18  
Operator : JC/MD  
Sample : VX1125WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

Quant Time: Nov 26 00:44:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.000 min

Lab File: VX043979.D

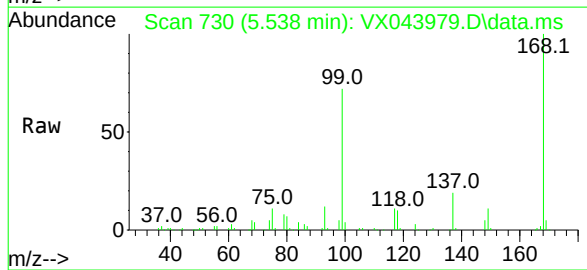
Acq: 25 Nov 2024 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBL01

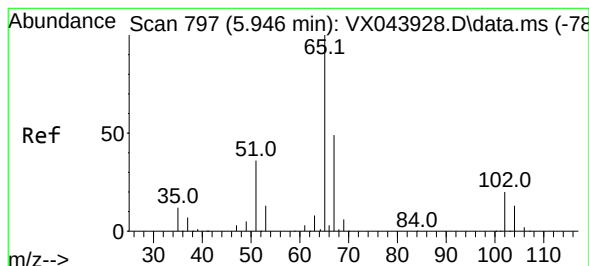
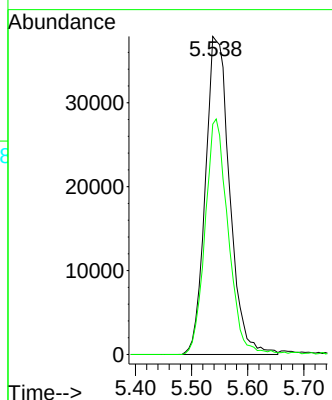


Tgt Ion:168 Resp: 113649

Ion Ratio Lower Upper

168 100

99 72.4 51.8 77.8



#33

1,2-Dichloroethane-d4

Concen: 52.013 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043979.D

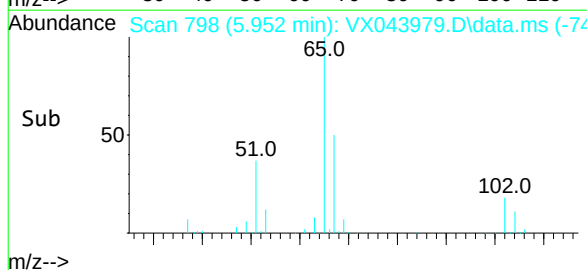
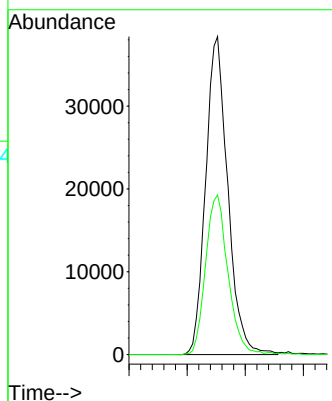
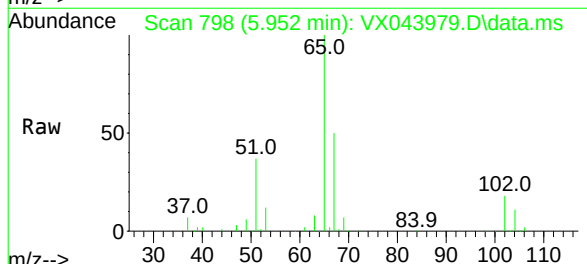
Acq: 25 Nov 2024 12:18

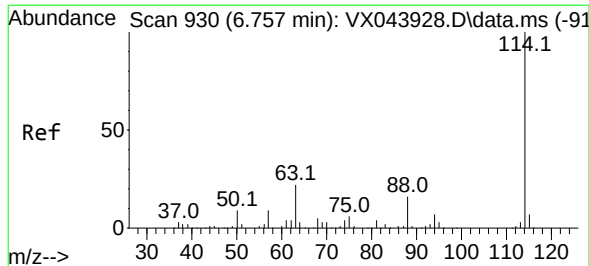
Tgt Ion: 65 Resp: 101387

Ion Ratio Lower Upper

65 100

67 51.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBL01

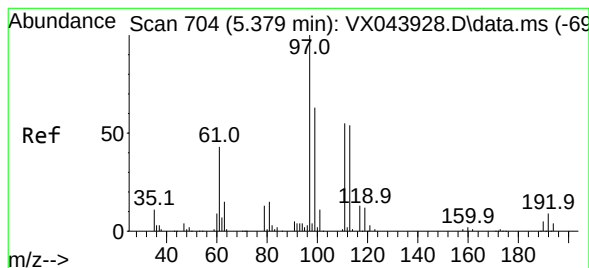
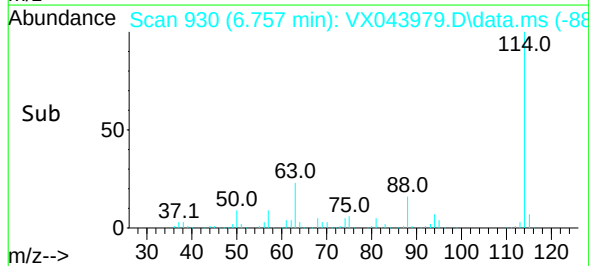
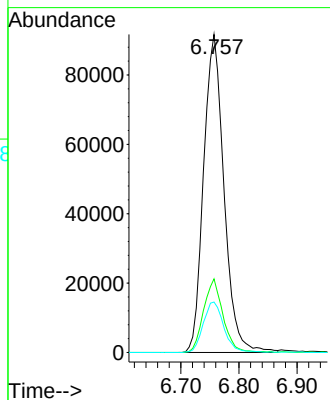
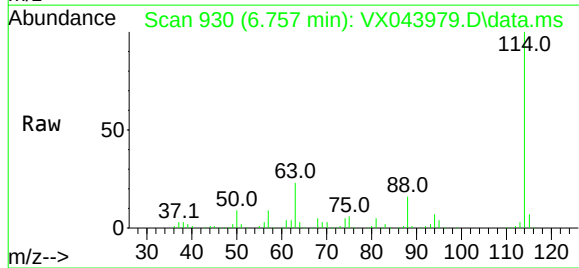
Tgt Ion:114 Resp: 223629

Ion Ratio Lower Upper

114 100

63 23.2 0.0 44.0

88 15.9 0.0 32.4



#35

Dibromofluoromethane

Concen: 47.175 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18

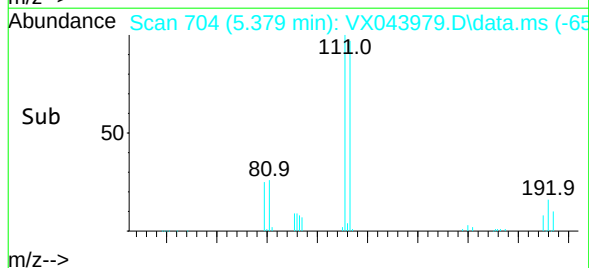
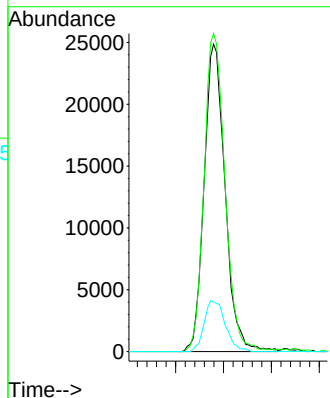
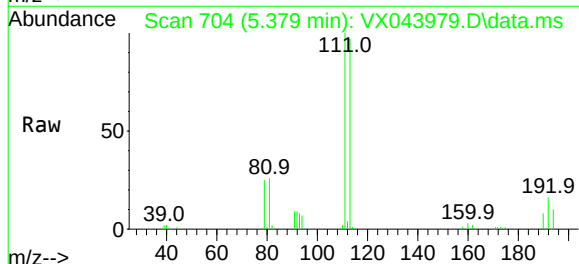
Tgt Ion:113 Resp: 75383

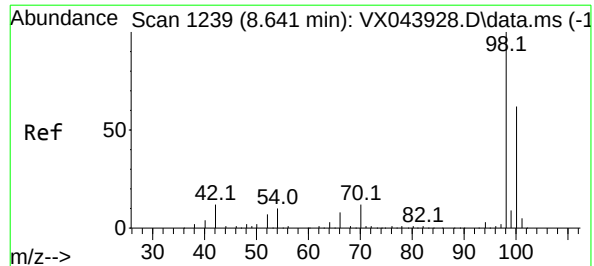
Ion Ratio Lower Upper

113 100

111 103.5 81.0 121.4

192 16.8 13.0 19.6





#50

Toluene-d8

Concen: 51.578 ug/l

RT: 8.647 min Scan# 1239

Delta R.T. 0.006 min

Lab File: VX043979.D

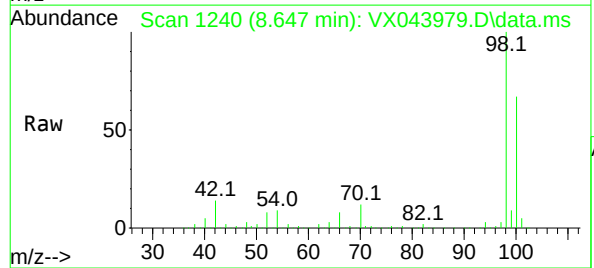
Acq: 25 Nov 2024 12:18

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBL01

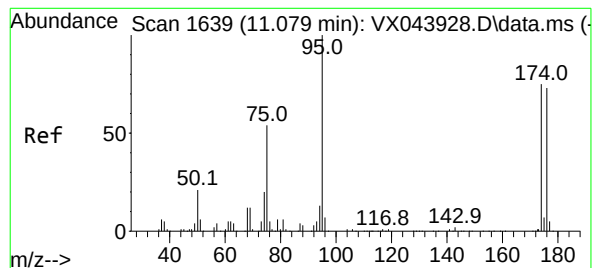
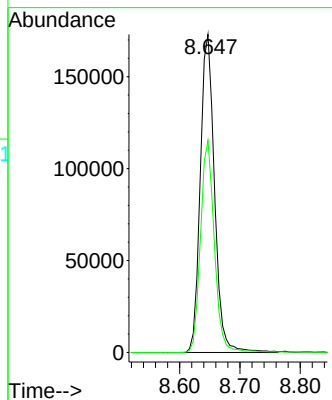
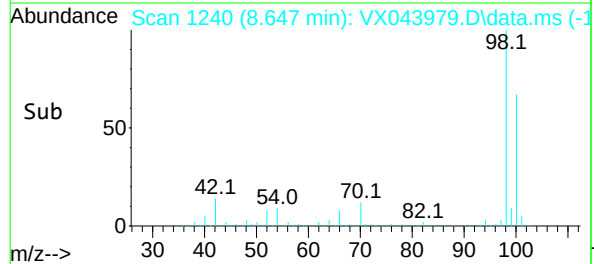


Tgt Ion: 98 Resp: 284104

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0



#62

4-Bromofluorobenzene

Concen: 50.703 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18

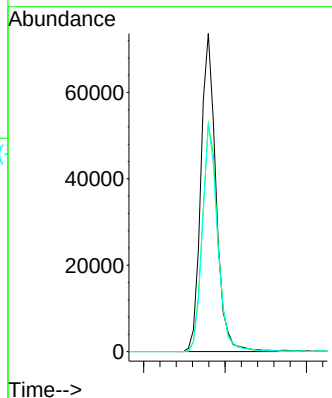
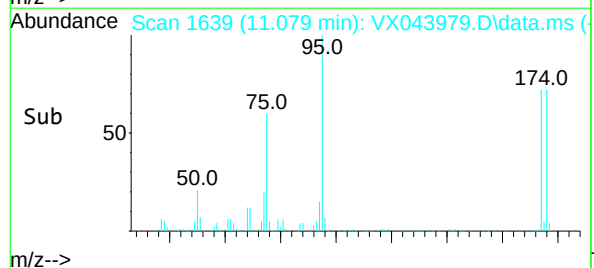
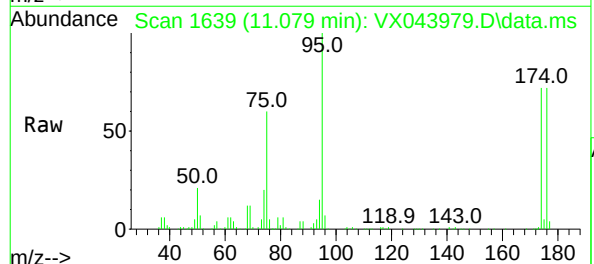
Tgt Ion: 95 Resp: 95049

Ion Ratio Lower Upper

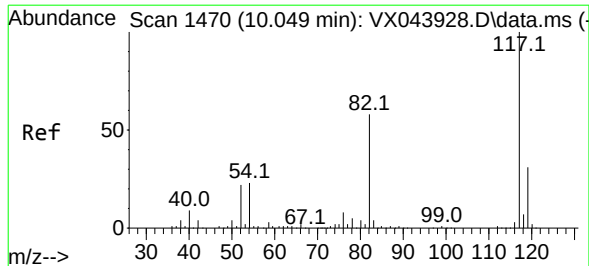
95 100

174 73.6 0.0 150.4

176 71.8 0.0 146.0







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX043979.D

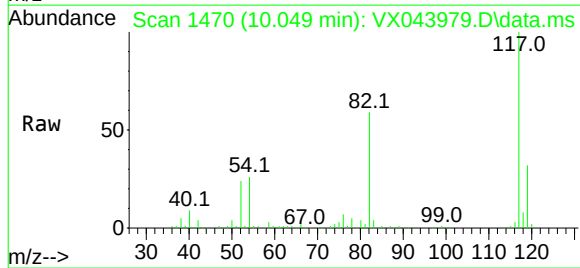
Acq: 25 Nov 2024 12:18

Instrument :

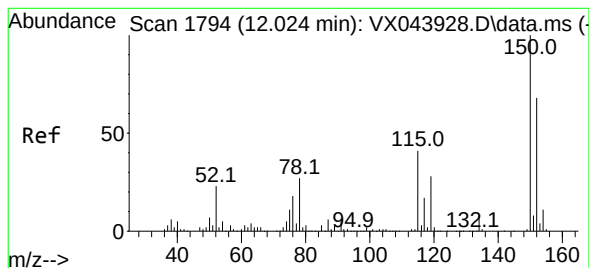
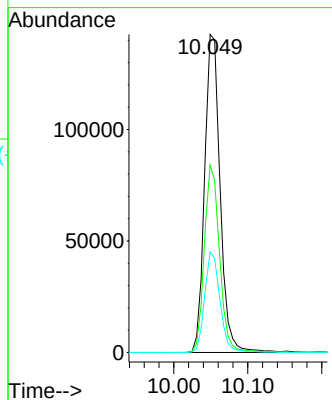
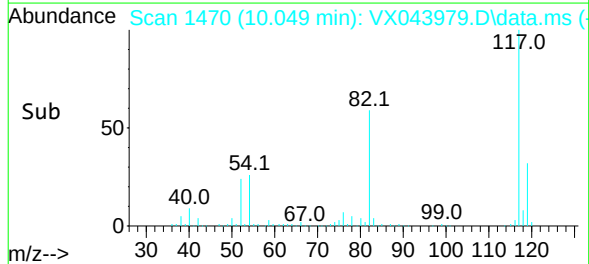
MSVOA\_X

ClientSampleId :

VX1125WBL01



|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 208120 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 59.0  | 46.4  | 69.6   |
| 119      | 31.6  | 24.6  | 37.0   |



#72

1,4-Dichlorobenzene-d4

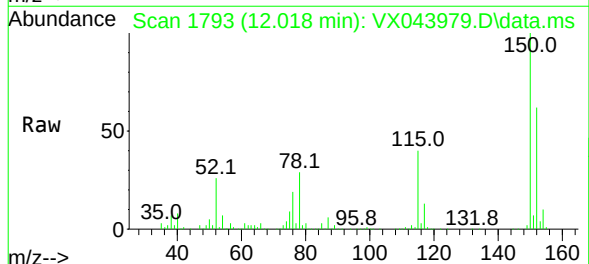
Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

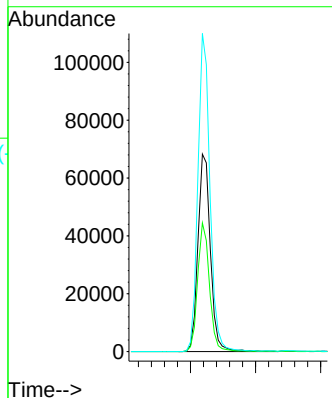
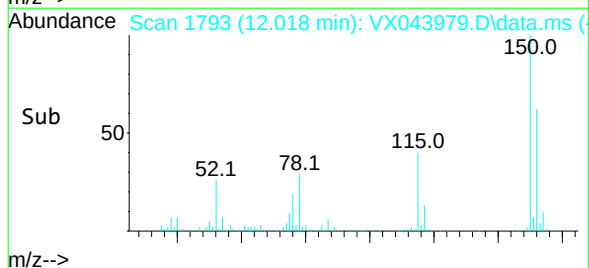
Delta R.T. -0.006 min

Lab File: VX043979.D

Acq: 25 Nov 2024 12:18



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 90683 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 62.1  | 45.4  | 136.2 |
| 150      | 155.6 | 0.0   | 353.0 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043979.D  
 Acq On : 25 Nov 2024 12:18  
 Operator : JC/MD  
 Sample : VX1125WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VX043979.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         | 1.240       | 22            | 25          | 36           | rBV3     | 5944           | 11267         | 1.44%           | 0.274%        |
| 2         | 1.593       | 67            | 83          | 84           | rBV5     | 17027          | 56302         | 7.20%           | 1.371%        |
| 3         | 2.941       | 298           | 304         | 312          | rVB4     | 4793           | 10768         | 1.38%           | 0.262%        |
| 4         | 5.379       | 693           | 704         | 720          | rBV2     | 87196          | 264956        | 33.90%          | 6.452%        |
| 5         | 5.544       | 720           | 731         | 746          | rVV      | 131457         | 377341        | 48.28%          | 9.189%        |
| 6         | 5.946       | 787           | 797         | 811          | rBV      | 107090         | 283390        | 36.26%          | 6.901%        |
| 7         | 6.757       | 919           | 930         | 945          | rBV      | 225942         | 550568        | 70.45%          | 13.407%       |
| 8         | 8.647       | 1232          | 1240        | 1256         | rBV      | 473908         | 781495        | 100.00%         | 19.031%       |
| 9         | 10.049      | 1465          | 1470        | 1492         | rBV      | 470361         | 681040        | 87.15%          | 16.584%       |
| 10        | 11.079      | 1634          | 1639        | 1650         | rBV      | 378480         | 489943        | 62.69%          | 11.931%       |
| 11        | 12.018      | 1788          | 1793        | 1807         | rBV      | 465960         | 599465        | 76.71%          | 14.598%       |

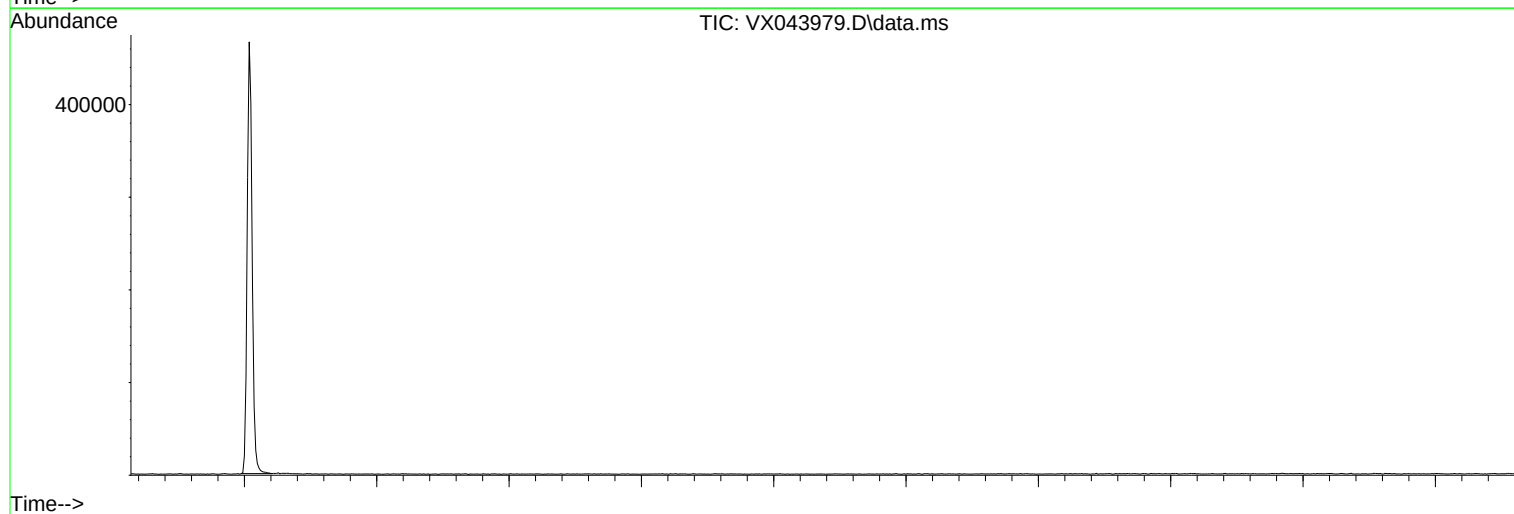
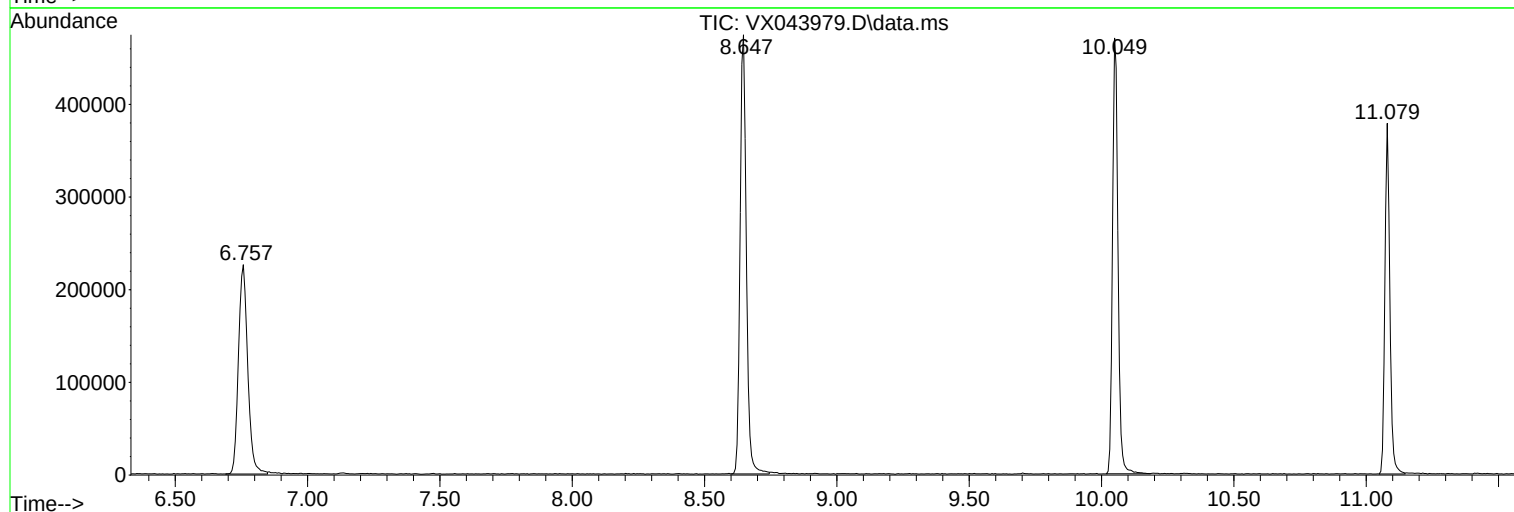
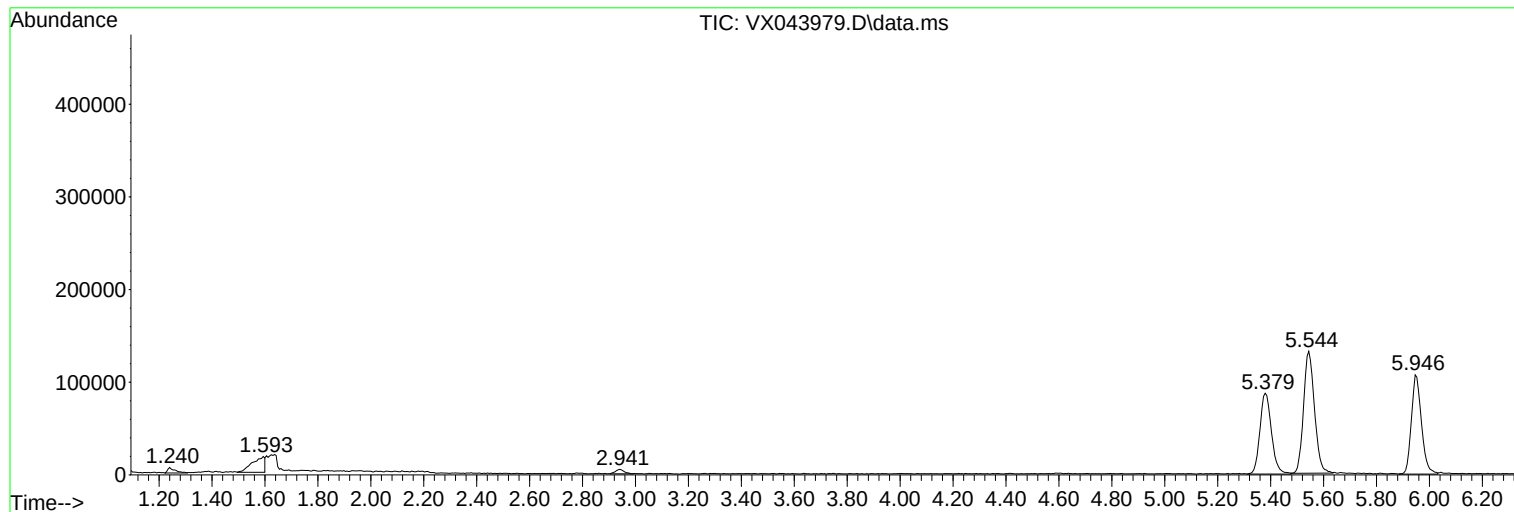
Sum of corrected areas: 4106535

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043979.D  
Acq On : 25 Nov 2024 12:18  
Operator : JC/MD  
Sample : VX1125WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043979.D  
Acq On : 25 Nov 2024 12:18  
Operator : JC/MD  
Sample : VX1125WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

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

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043979.D  
Acq On : 25 Nov 2024 12:18  
Operator : JC/MD  
Sample : VX1125WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBL01

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

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

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

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | EA Engineering Science & Technology        | Date Collected: |                              |
| Project:           | Scotia, NY - Annual Testing                | Date Received:  |                              |
| Client Sample ID:  | VX1126WBL01                                | SDG No.:        | P4873                        |
| Lab Sample ID:     | VX1126WBL01                                | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044006.D        | 1         |           | 11/26/24 10:54 | VX112624      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.50  | U         | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.50  | U         | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.75  | U         | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.75  | U         | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.50  | U         | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.75  | U         | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 3.80  | U         | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.75  | U         | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.50  | U         | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.50  | U         | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 2.50  | U         | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 2.50  | U         | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.50  | U         | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.75  | U         | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.50  | U         | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.50  | U         | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.75  | U         | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.50  | U         | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.50  | U         | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 2.50  | U         | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.50  | U         | 0.18 | 0.50 | 1.00       | ug/L  |

### Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1126WBL01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1126WBL01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044006.D        | 1         |           | 11/26/24 10:54 | VX112624      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 2.50   | U         | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.50   | U         | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.50   | U         | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 1.00   | U         | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.50   | U         | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.50   | U         | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.50   | U         | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.50   | U         | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.50   | U         | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.50   | U         | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.50   | U         | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.75   | U         | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.50   | U         | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.75   | U         | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.3   |           | 81 - 118 |      | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 47.7   |           | 80 - 119 |      | 95%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.3   |           | 89 - 112 |      | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 46.7   |           | 85 - 114 |      | 93%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 114000 | 5.55      |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 212000 | 6.751     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 187000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 75600  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | EA Engineering Science & Technology        | Date Collected: |                              |
| Project:           | Scotia, NY - Annual Testing                | Date Received:  |                              |
| Client Sample ID:  | VX1126WBL01                                | SDG No.:        | P4873                        |
| Lab Sample ID:     | VX1126WBL01                                | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044006.D        | 1         |           | 11/26/24 10:54 | VX112624      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044006.D  
Acq On : 26 Nov 2024 10:54  
Operator : JC/MD  
Sample : VX1126WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

Quant Time: Nov 27 00:47:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 113627   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 212092   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 187057   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 75578    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 98072    | 50.322   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 100.640% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 72225    | 47.657   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 95.320%  |
| 50) Toluene-d8              | 8.647  | 98    | 262606   | 50.268   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 100.540% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 83026    | 46.699   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 93.400%  |

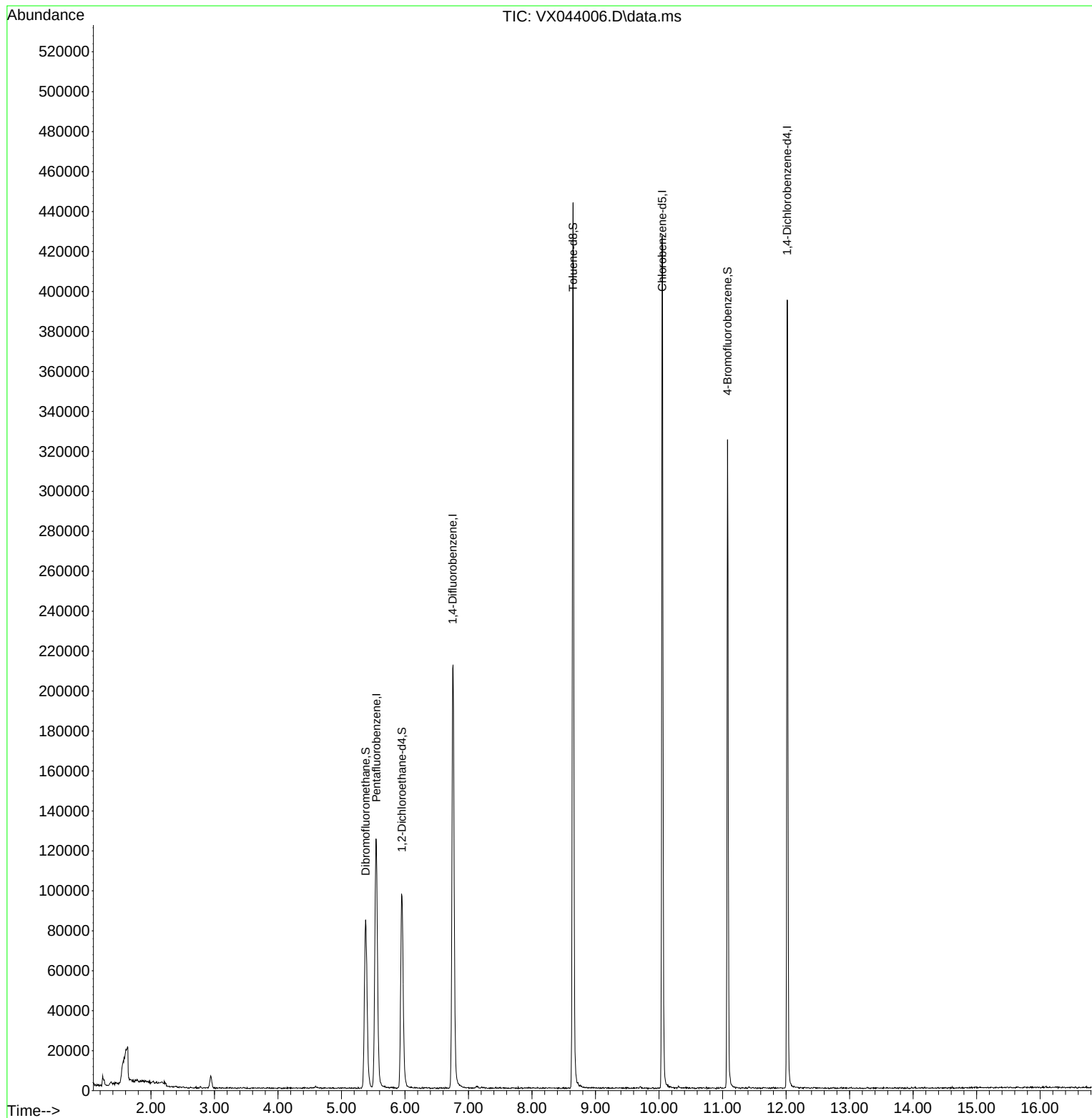
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

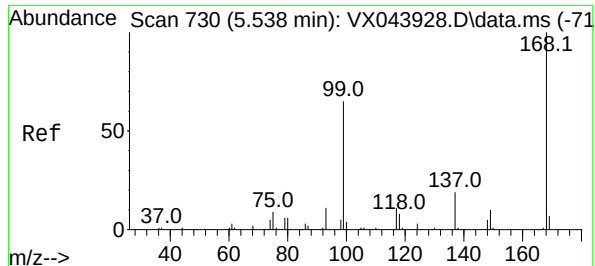
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044006.D  
Acq On : 26 Nov 2024 10:54  
Operator : JC/MD  
Sample : VX1126WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

Quant Time: Nov 27 00:47:46 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

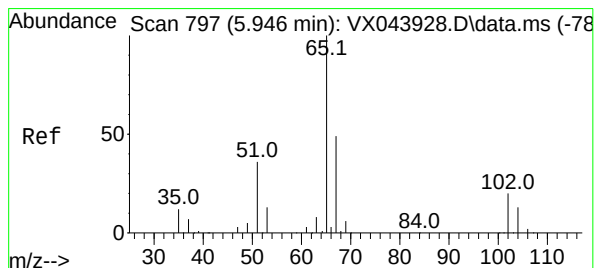
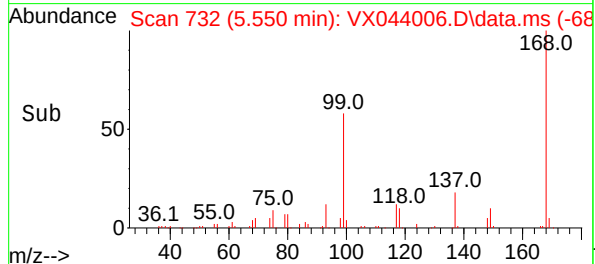
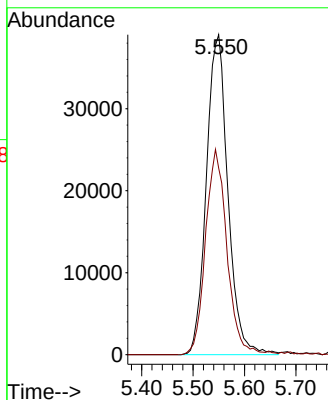
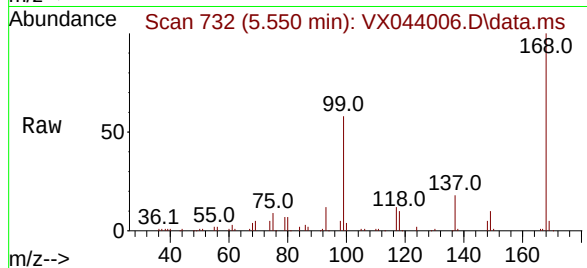




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 732  
Delta R.T. 0.012 min  
Lab File: VX044006.D  
Acq: 26 Nov 2024 10:54

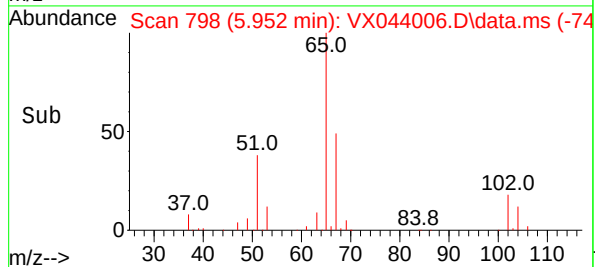
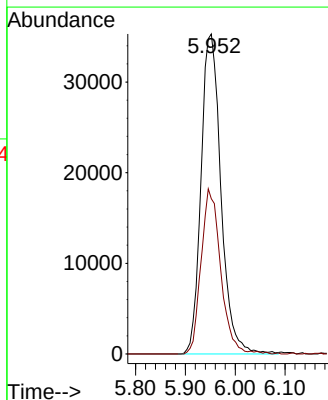
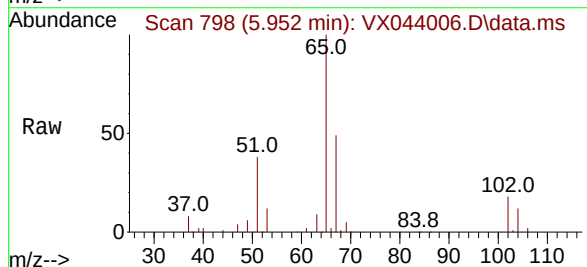
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

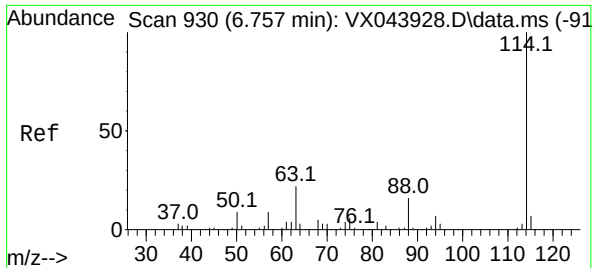
Tgt Ion:168 Resp: 113627  
Ion Ratio Lower Upper  
168 100  
99 58.3 51.8 77.8



#33  
1,2-Dichloroethane-d4  
Concen: 50.322 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX044006.D  
Acq: 26 Nov 2024 10:54

Tgt Ion: 65 Resp: 98072  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX044006.D

Acq: 26 Nov 2024 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBL01

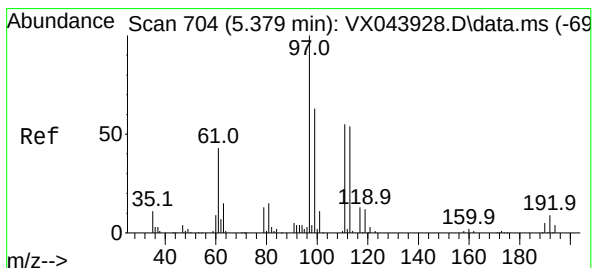
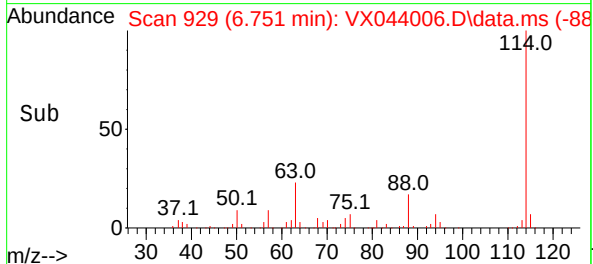
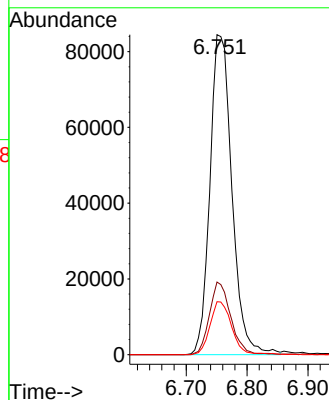
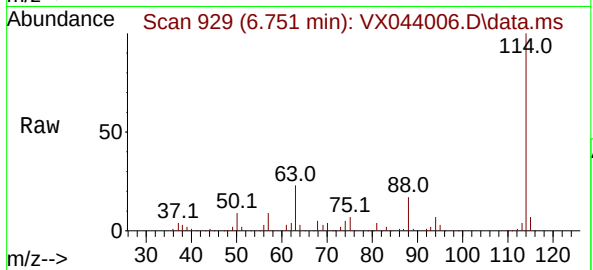
Tgt Ion:114 Resp: 212092

Ion Ratio Lower Upper

114 100

63 22.7 0.0 44.0

88 16.5 0.0 32.4



#35

Dibromofluoromethane

Concen: 47.657 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044006.D

Acq: 26 Nov 2024 10:54

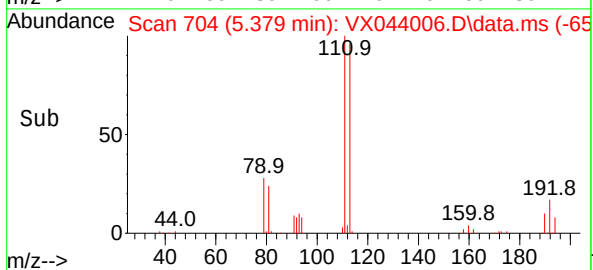
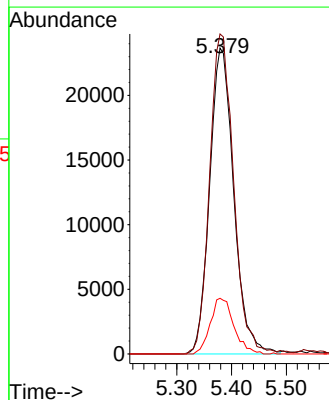
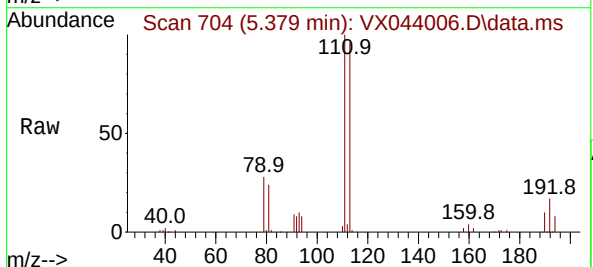
Tgt Ion:113 Resp: 72225

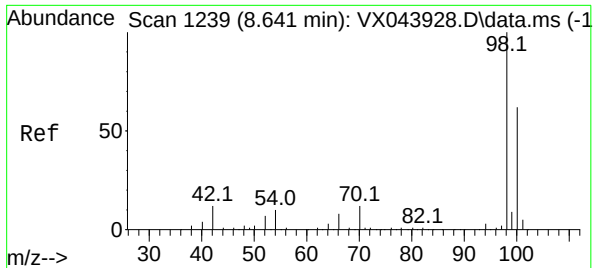
Ion Ratio Lower Upper

113 100

111 103.7 81.0 121.4

192 17.7 13.0 19.6

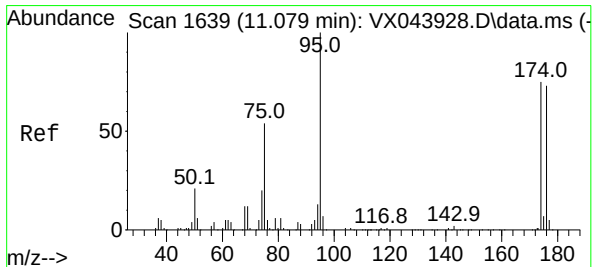
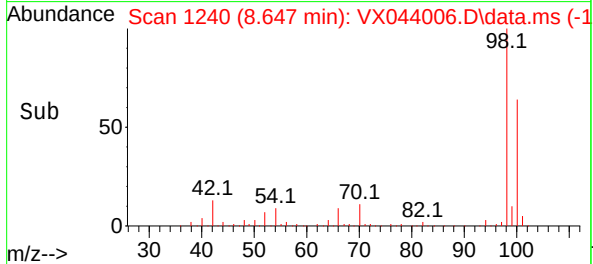
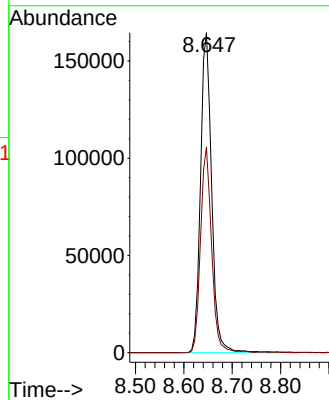
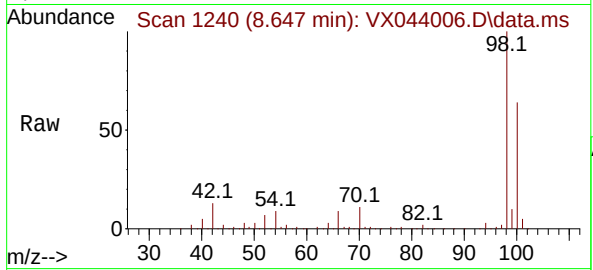




#50  
Toluene-d8  
Concen: 50.268 ug/l  
RT: 8.647 min Scan# 1239  
Delta R.T. 0.006 min  
Lab File: VX044006.D  
Acq: 26 Nov 2024 10:54

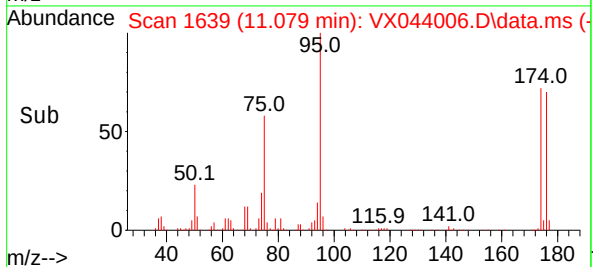
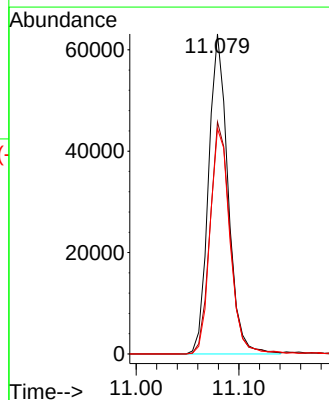
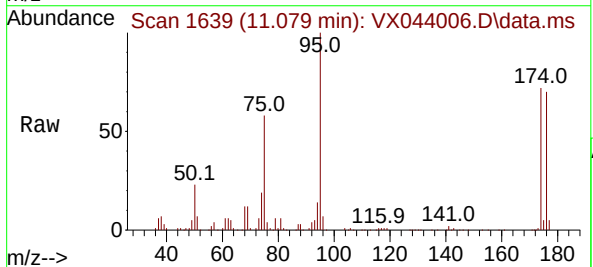
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

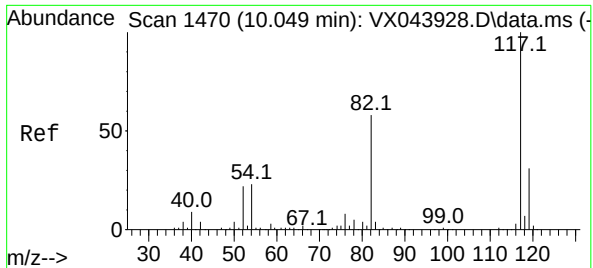
Tgt Ion: 98 Resp: 262606  
Ion Ratio Lower Upper  
98 100  
100 63.9 52.6 79.0



#62  
4-Bromofluorobenzene  
Concen: 46.699 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044006.D  
Acq: 26 Nov 2024 10:54

Tgt Ion: 95 Resp: 83026  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 150.4  
176 71.9 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044006.D

Acq: 26 Nov 2024 10:54

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBL01

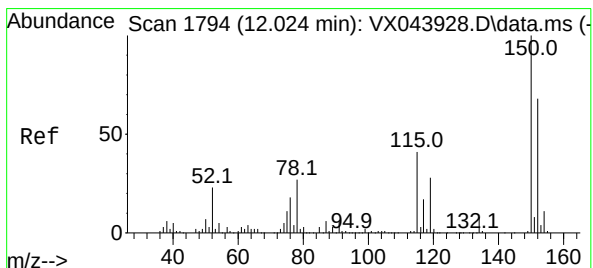
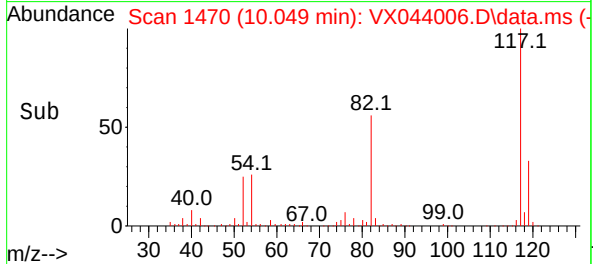
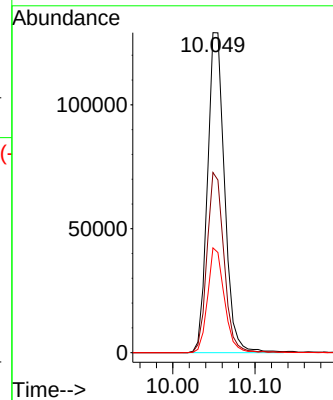
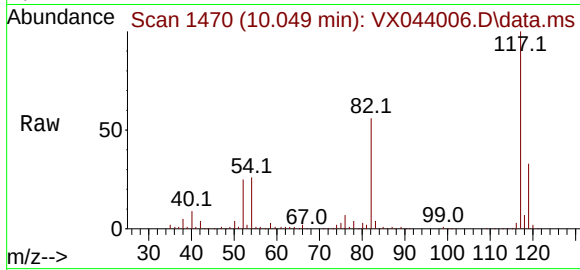
Tgt Ion:117 Resp: 187057

Ion Ratio Lower Upper

117 100

82 56.3 46.4 69.6

119 32.7 24.6 37.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044006.D

Acq: 26 Nov 2024 10:54

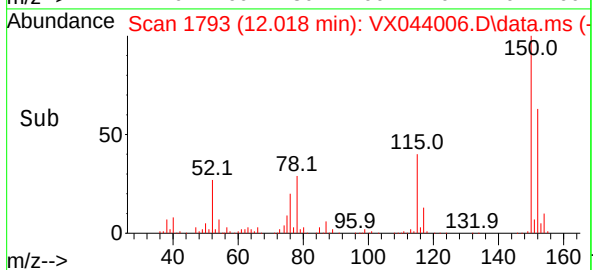
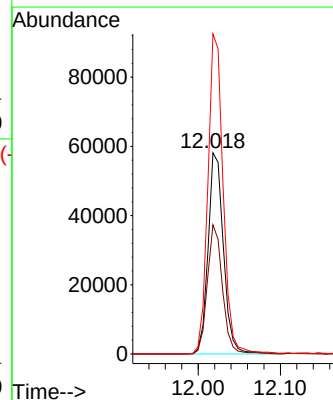
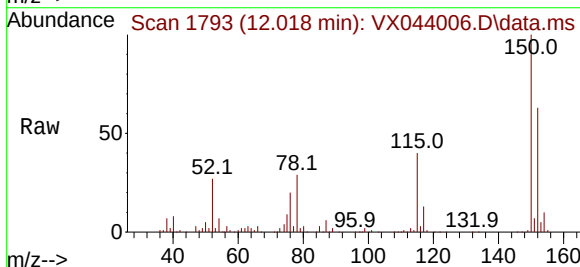
Tgt Ion:152 Resp: 75578

Ion Ratio Lower Upper

152 100

115 62.9 45.4 136.2

150 157.6 0.0 353.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044006.D  
Acq On : 26 Nov 2024 10:54  
Operator : JC/MD  
Sample : VX1126WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

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

Signal : TIC: VX044006.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         | 1.239       | 22            | 25          | 35           | rBV3     | 5108           | 10106         | 1.42%           | 0.272%        |
| 2         | 1.575       | 69            | 80          | 81           | rBV3     | 12764          | 32091         | 4.50%           | 0.865%        |
| 3         | 2.940       | 296           | 304         | 313          | rVB2     | 6175           | 13767         | 1.93%           | 0.371%        |
| 4         | 5.379       | 693           | 704         | 720          | rBV2     | 84369          | 253387        | 35.56%          | 6.828%        |
| 5         | 5.544       | 720           | 731         | 750          | rVV2     | 124331         | 364631        | 51.17%          | 9.826%        |
| 6         | 5.946       | 788           | 797         | 811          | rBV2     | 96960          | 267073        | 37.48%          | 7.197%        |
| 7         | 6.757       | 919           | 930         | 943          | rBV      | 212061         | 521234        | 73.15%          | 14.045%       |
| 8         | 8.647       | 1232          | 1240        | 1251         | rBV      | 443368         | 712587        | 100.00%         | 19.202%       |
| 9         | 10.049      | 1464          | 1470        | 1481         | rBV      | 426567         | 609072        | 85.47%          | 16.412%       |
| 10        | 11.079      | 1634          | 1639        | 1650         | rBV      | 324419         | 426728        | 59.88%          | 11.499%       |
| 11        | 12.018      | 1788          | 1793        | 1806         | rBV      | 394213         | 500364        | 70.22%          | 13.483%       |

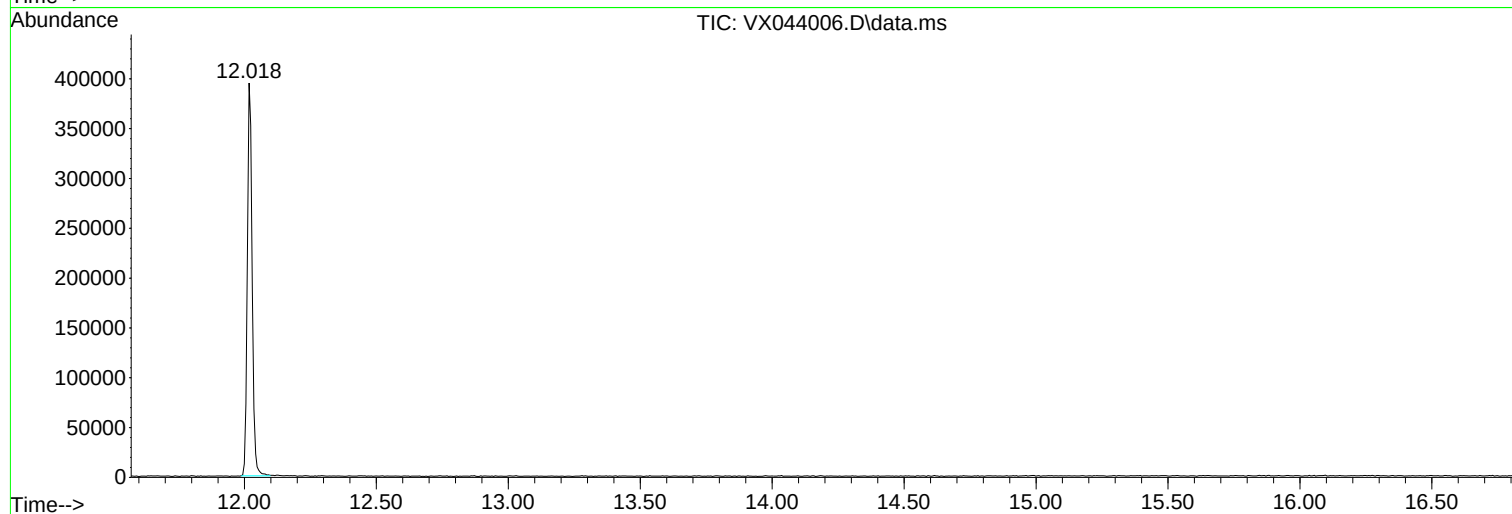
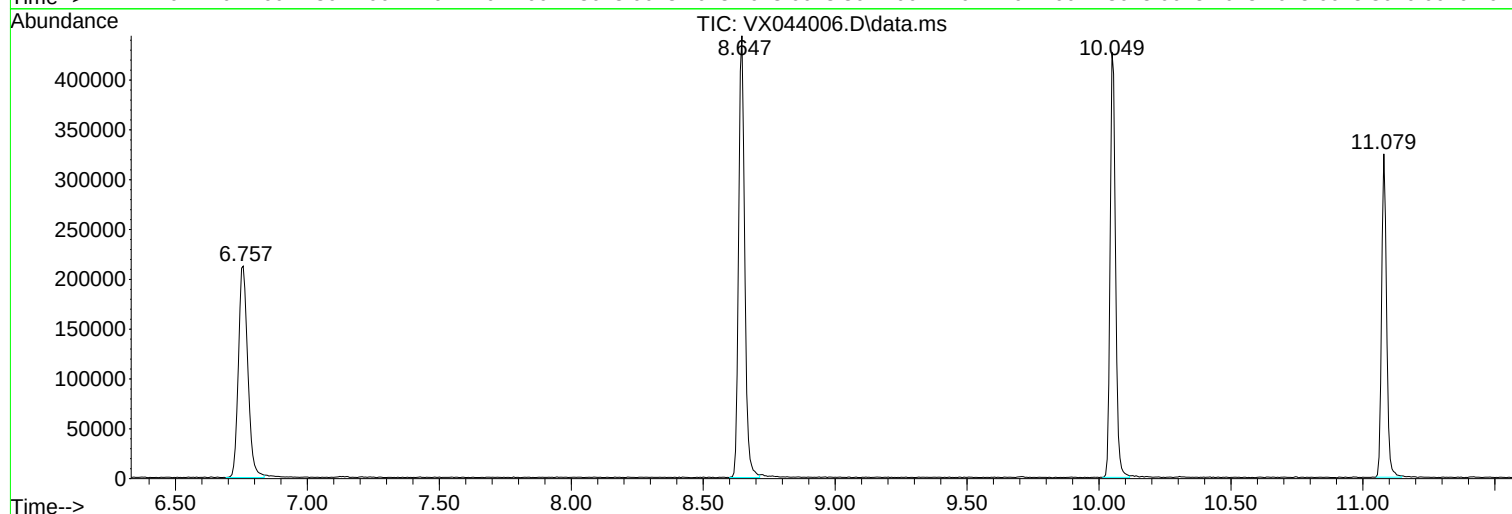
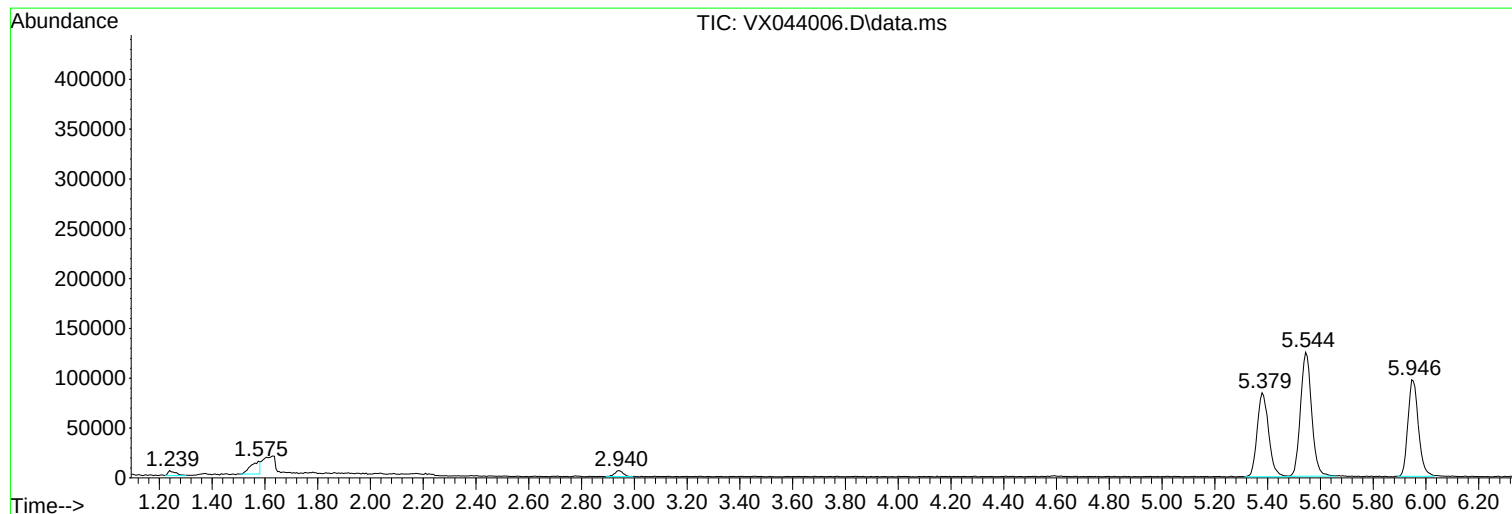
Sum of corrected areas: 3711040

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044006.D  
Acq On : 26 Nov 2024 10:54  
Operator : JC/MD  
Sample : VX1126WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

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

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





Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044006.D  
Acq On : 26 Nov 2024 10:54  
Operator : JC/MD  
Sample : VX1126WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

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

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044006.D  
Acq On : 26 Nov 2024 10:54  
Operator : JC/MD  
Sample : VX1126WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBL01

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

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

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

---Internal Standard---

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043953.D        | 1         |           | 11/22/24 12:36 | VX112224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 20.0  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 20.8  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 20.8  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 21.5  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 23.4  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 19.5  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.4  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 20.4  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 99.9  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 17.0  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.5  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 20.5  |           | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 20.7  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 20.9  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 21.2  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 19.9  |           | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 100   |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 18.9  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.8  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 19.8  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 21.6  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 21.4  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 18.6  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 20.3  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 20.7  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 17.0  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 21.0  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 19.9  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 100   |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 20.4  |           | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043953.D        | 1         |           | 11/22/24 12:36 | VX112224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 20.0   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 19.6   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 20.1   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 100    |           | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 18.7   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 20.5   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 20.3   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 19.9   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 20.4   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 40.3   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 20.7   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 20.6   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 16.9   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 21.1   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 21.6   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 20.6   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.0   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.7   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 17.4   |           | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.5   |           | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 20.2   |           | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 54.0   |           | 81 - 118 |      | 108%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 50.5   |           | 80 - 119 |      | 101%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.9   |           | 89 - 112 |      | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.4   |           | 85 - 114 |      | 101%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 123000 | 5.543     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 229000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 196000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 86700  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043953.D        | 1         |           | 11/22/24 12:36 | VX112224      |

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043953.D  
 Acq On : 22 Nov 2024 12:36  
 Operator : JC/MD  
 Sample : VX1122WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:19:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.543  | 168  | 122957   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 229417   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 195535   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 86659    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 113852   | 53.986   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 107.980% |
| 35) Dibromofluoromethane  | 5.379  | 113   | 82706    | 50.452   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 100.900% |
| 50) Toluene-d8            | 8.647  | 98    | 287688   | 50.911   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 101.820% |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 96910    | 50.392   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 100.780% |

## Target Compounds

|                              |       |     |        |         |        | Qvalue |
|------------------------------|-------|-----|--------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 31130  | 19.985  | ug/l   | 94     |
| 3) Chloromethane             | 1.294 | 50  | 34079  | 20.791  | ug/l   | 98     |
| 4) Vinyl Chloride            | 1.373 | 62  | 36280  | 20.809  | ug/l   | 100    |
| 5) Bromomethane              | 1.599 | 94  | 23111  | 21.548  | ug/l   | 97     |
| 6) Chloroethane              | 1.666 | 64  | 24828  | 23.371  | ug/l   | 100    |
| 7) Trichlorofluoromethane    | 1.873 | 101 | 60641  | 19.455  | ug/l   | 97     |
| 8) Diethyl Ether             | 2.136 | 74  | 23915  | 21.050  | ug/l   | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 30353  | 20.414  | ug/l   | 97     |
| 10) Methyl Iodide            | 2.446 | 142 | 39789  | 21.427  | ug/l   | 99     |
| 11) Tert butyl alcohol       | 2.989 | 59  | 34049  | 100.588 | ug/l   | 100    |
| 12) 1,1-Dichloroethene       | 2.312 | 96  | 28927  | 20.417  | ug/l   | 93     |
| 13) Acrolein                 | 2.239 | 56  | 37938  | 106.330 | ug/l   | 95     |
| 14) Allyl chloride           | 2.660 | 41  | 48638  | 21.009  | ug/l   | 97     |
| 15) Acrylonitrile            | 3.062 | 53  | 85765  | 103.970 | ug/l   | 99     |
| 16) Acetone                  | 2.386 | 43  | 96805  | 99.942  | ug/l   | 98     |
| 17) Carbon Disulfide         | 2.501 | 76  | 49804  | 17.041  | ug/l # | 95     |
| 18) Methyl Acetate           | 2.703 | 43  | 46269  | 20.512  | ug/l   | 100    |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 110640 | 21.507  | ug/l   | 99     |
| 20) Methylene Chloride       | 2.782 | 84  | 34071  | 20.728  | ug/l   | 93     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 30530  | 20.871  | ug/l   | 95     |
| 22) Diisopropyl ether        | 3.757 | 45  | 109520 | 22.124  | ug/l # | 87     |
| 23) Vinyl Acetate            | 3.721 | 43  | 453316 | 107.047 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 60662  | 21.241  | ug/l   | 98     |
| 25) 2-Butanone               | 4.562 | 43  | 130824 | 104.675 | ug/l   | 100    |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 52043  | 20.178  | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 37579  | 20.783  | ug/l   | 99     |
| 28) Bromochloromethane       | 4.891 | 49  | 24947  | 19.846  | ug/l   | 97     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 79046  | 103.164 | ug/l   | 99     |
| 30) Chloroform               | 5.086 | 83  | 66350  | 21.602  | ug/l   | 97     |
| 31) Cyclohexane              | 5.458 | 56  | 46697  | 19.867  | ug/l   | 96     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 56657  | 21.390  | ug/l   | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 41234  | 20.185  | ug/l   | 97     |
| 37) Ethyl Acetate            | 4.714 | 43  | 49752  | 19.620  | ug/l # | 92     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 43324  | 18.875  | ug/l   | 95     |
| 39) Methylcyclohexane        | 7.372 | 83  | 49229  | 18.550  | ug/l   | 98     |
| 40) Benzene                  | 6.031 | 78  | 129291 | 20.319  | ug/l   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043953.D  
 Acq On : 22 Nov 2024 12:36  
 Operator : JC/MD  
 Sample : VX1122WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:19:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 26340    | 20.295  | ug/l # | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 52905    | 20.702  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 81776    | 20.264  | ug/l   | 100      |
| 44) Trichloroethene           | 7.122  | 130  | 30582    | 16.978  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 32777    | 21.032  | ug/l   | 97       |
| 46) Dibromomethane            | 7.574  | 93   | 25316    | 20.535  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.817  | 83   | 43925    | 19.866  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.689  | 41   | 38226    | 19.741  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 11659    | 338.011 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 248440   | 100.883 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 77505    | 20.351  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 45015    | 19.965  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 48377    | 19.572  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 31640    | 20.126  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 49905    | 20.380  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 55597    | 20.993  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 122520   | 90.630  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 186272   | 100.633 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 29549    | 18.733  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 32532    | 20.465  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.274  | 164  | 26135    | 20.270  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 85495    | 19.908  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 28882    | 20.737  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 148481   | 20.404  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 109390   | 40.309  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 54754    | 20.665  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 90186    | 20.579  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 16436    | 16.936  | ug/l # | 94       |
| 73) Isopropylbenzene          | 10.963 | 105  | 140447   | 21.084  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 63571    | 20.600  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 49179    | 21.561  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 39969m   | 21.032  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 32930    | 20.723  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 155584   | 20.912  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 100875   | 21.442  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 119899   | 21.878  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11627    | 16.695  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 112420   | 21.166  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 114224   | 21.028  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 116894   | 21.424  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 136947   | 20.577  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 114908   | 21.255  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 59626    | 20.602  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 58980    | 19.988  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.329 | 91   | 99700    | 20.917  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 17220    | 18.732  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 60326    | 20.654  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 7938     | 17.368  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 33614    | 19.521  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 13463    | 19.782  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 124279   | 20.050  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 35212    | 20.203  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043953.D  
Acq On : 22 Nov 2024 12:36  
Operator : JC/MD  
Sample : VX1122WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:19:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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



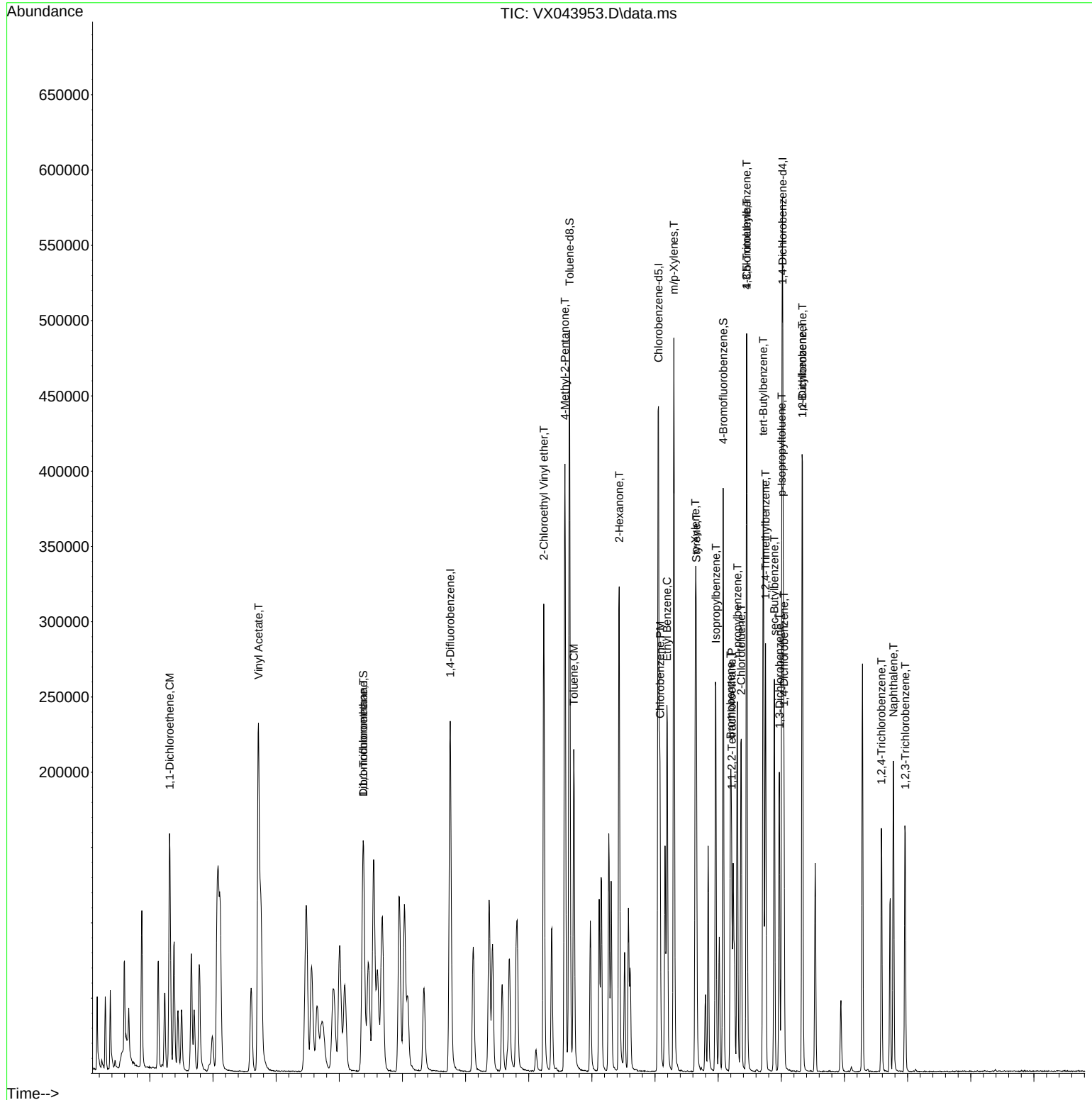
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043953.D  
Acq On : 22 Nov 2024 12:36  
Operator : JC/MD  
Sample : VX1122WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

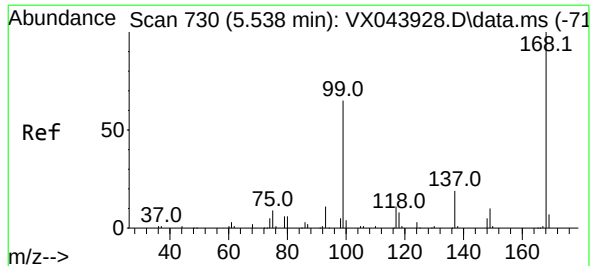
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Manual Integrations  
APPROVED

Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:19:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.543 min Scan# 73

Delta R.T. 0.005 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:168 Resp: 122957

Ion Ratio Lower Upper

168 100

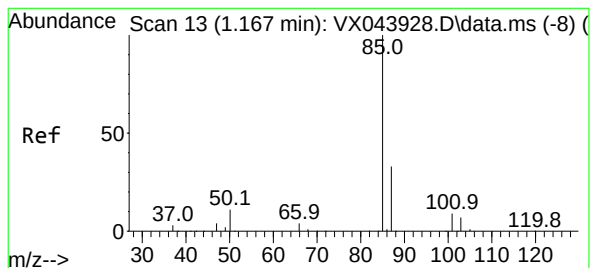
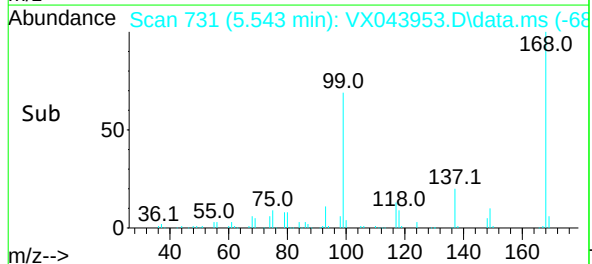
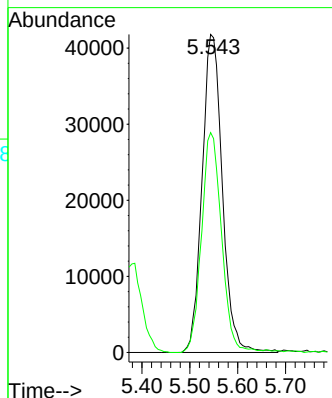
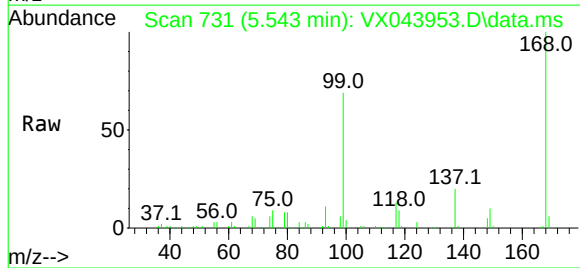
99 69.1 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#2

Dichlorodifluoromethane

Concen: 19.985 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043953.D

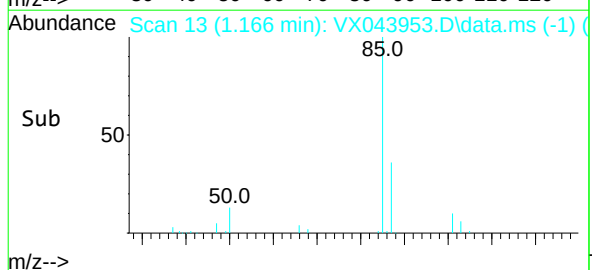
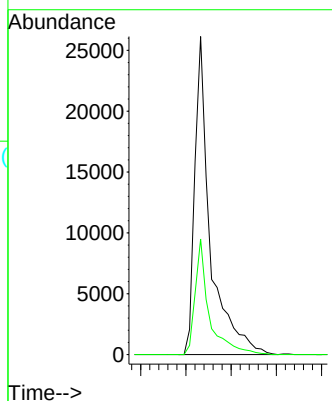
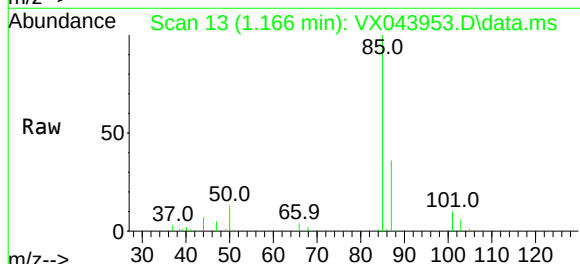
Acq: 22 Nov 2024 12:36

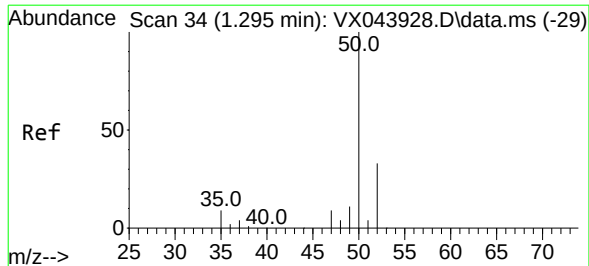
Tgt Ion: 85 Resp: 31130

Ion Ratio Lower Upper

85 100

87 36.3 16.6 49.8





#3

Chloromethane

Concen: 20.791 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 50 Resp: 34079

Ion Ratio Lower Upper

50 100

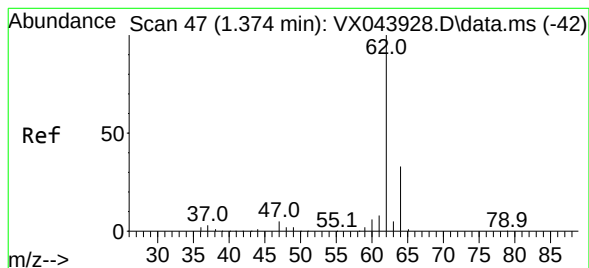
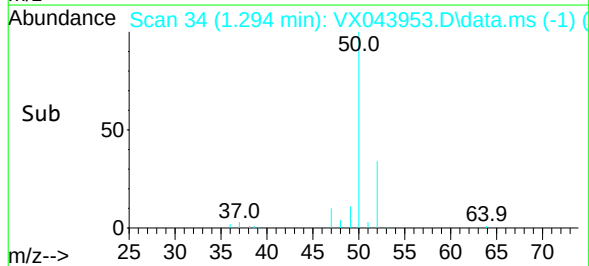
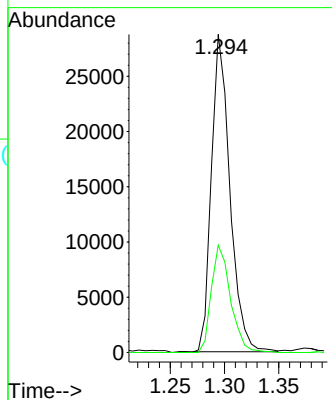
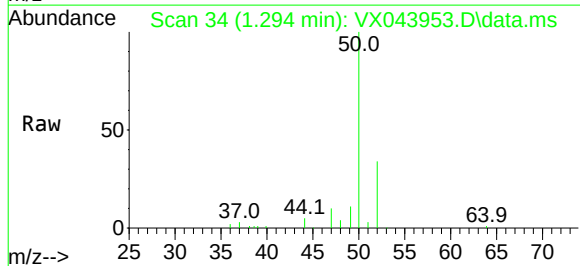
52 33.8 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#4

Vinyl Chloride

Concen: 20.809 ug/l

RT: 1.373 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043953.D

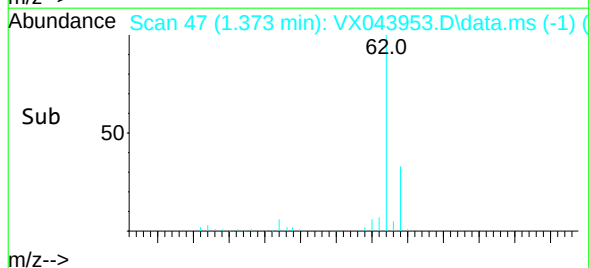
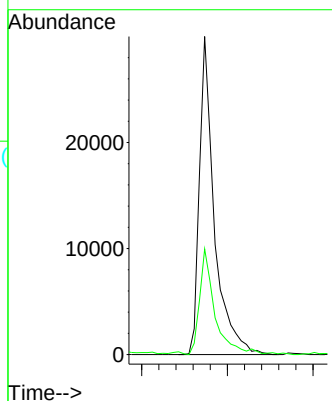
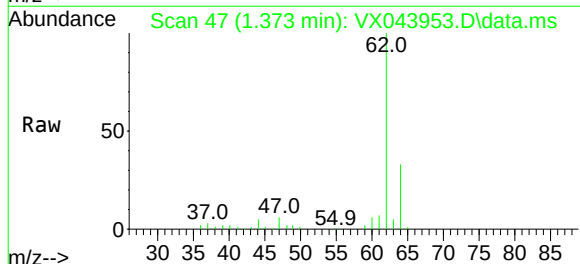
Acq: 22 Nov 2024 12:36

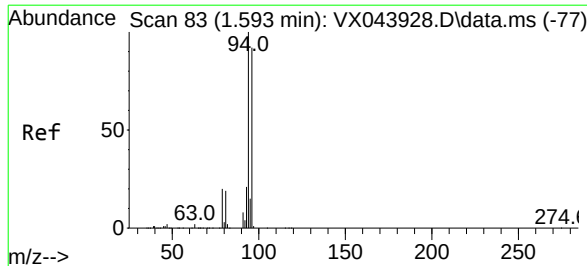
Tgt Ion: 62 Resp: 36280

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.4





#5

Bromomethane

Concen: 21.548 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 94 Resp: 23111

Ion Ratio Lower Upper

94 100

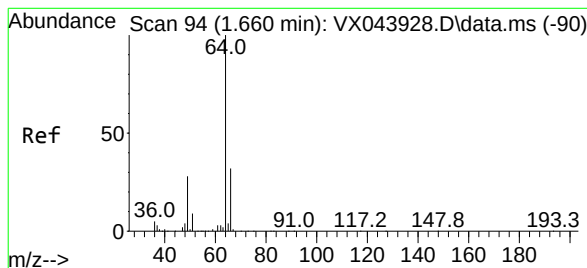
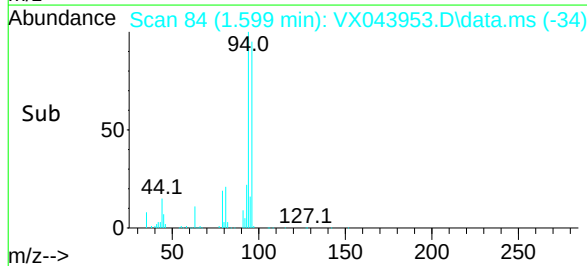
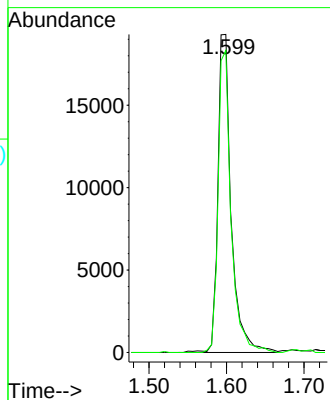
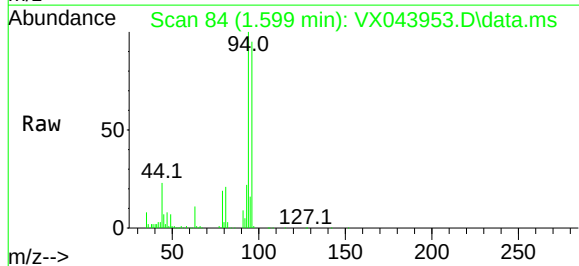
96 94.9 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 23.371 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043953.D

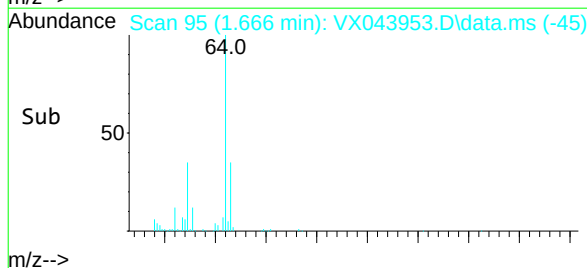
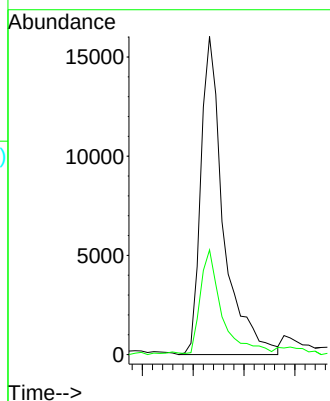
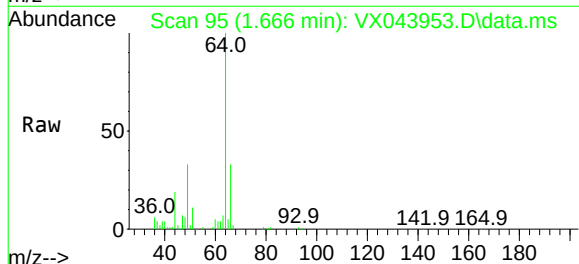
Acq: 22 Nov 2024 12:36

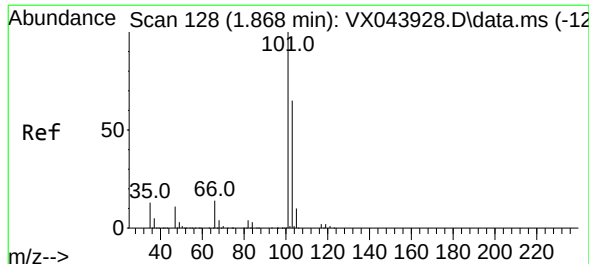
Tgt Ion: 64 Resp: 24828

Ion Ratio Lower Upper

64 100

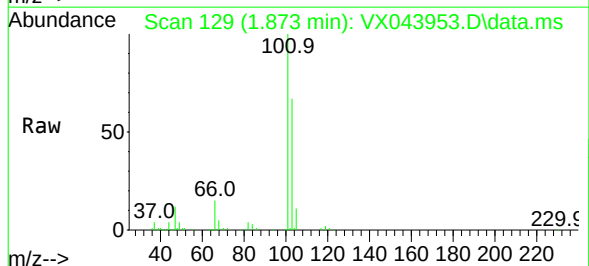
66 32.4 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 19.455 ug/l  
RT: 1.873 min Scan# 12  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

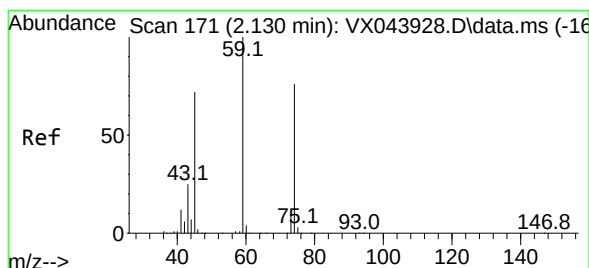
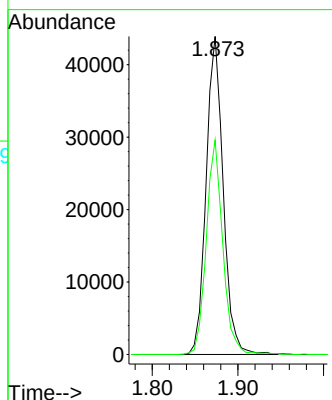
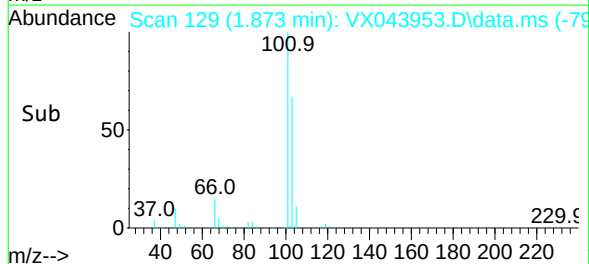
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01



Tgt Ion: 101 Resp: 60641  
Ion Ratio Lower Upper  
101 100  
103 67.5 52.2 78.2

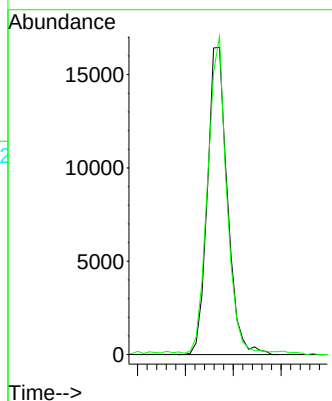
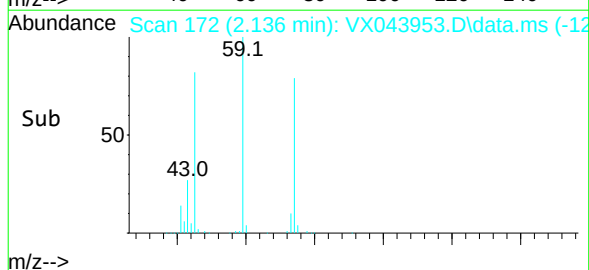
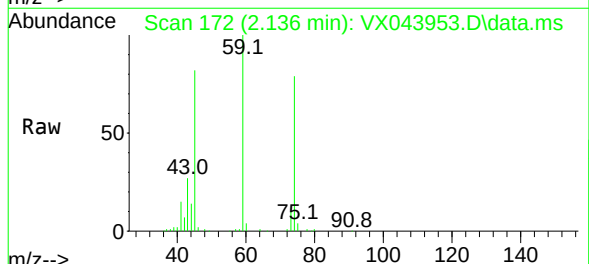
Manual Integrations  
APPROVED

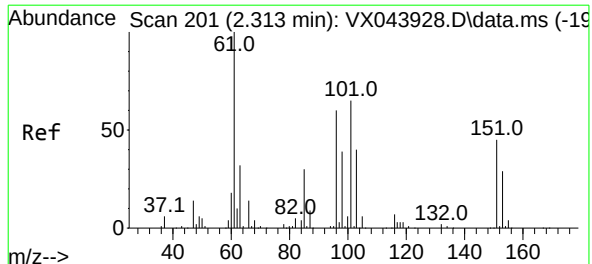
Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024



#8  
Diethyl Ether  
Concen: 21.050 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

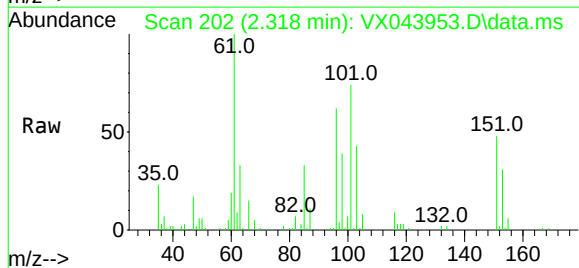
Tgt Ion: 74 Resp: 23915  
Ion Ratio Lower Upper  
74 100  
45 97.7 47.9 143.6





#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.414 ug/l  
RT: 2.318 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

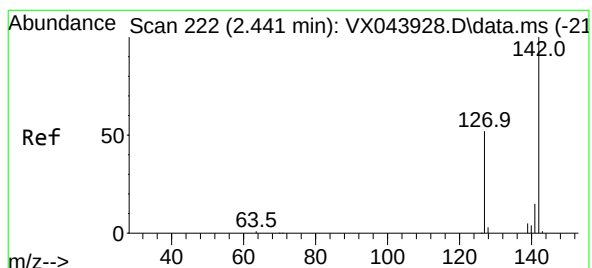
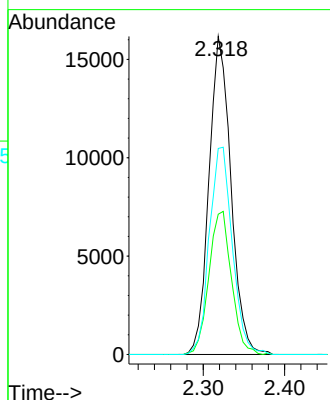
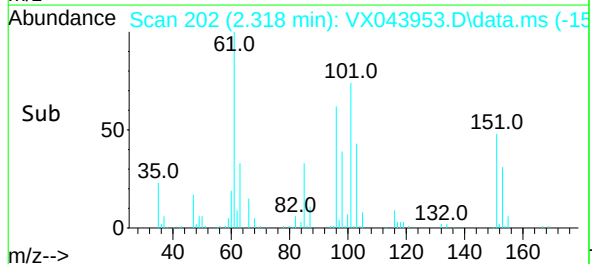
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01



Tgt Ion:101 Resp: 30353  
Ion Ratio Lower Upper  
101 100  
85 46.1 37.9 56.9  
151 68.2 57.5 86.3

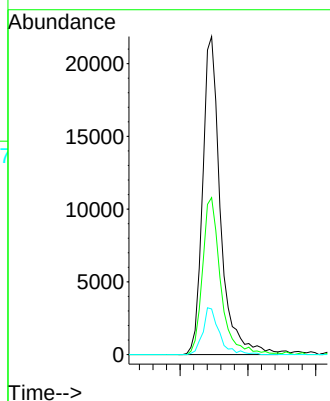
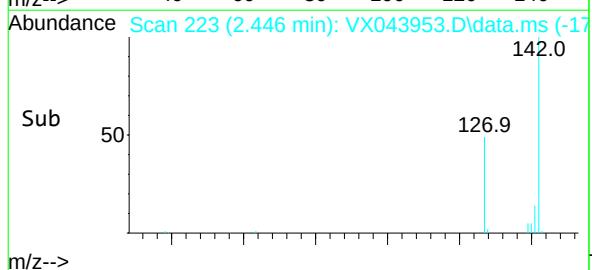
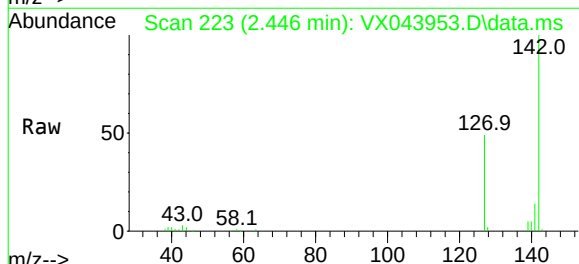
Manual Integrations  
APPROVED

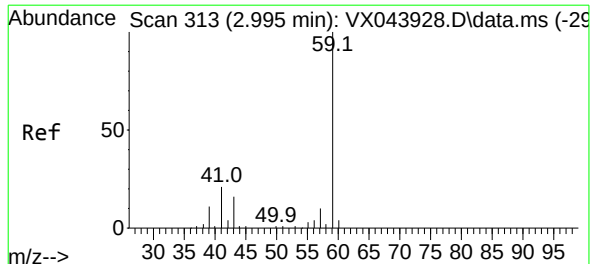
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#10  
Methyl Iodide  
Concen: 21.427 ug/l  
RT: 2.446 min Scan# 223  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion:142 Resp: 39789  
Ion Ratio Lower Upper  
142 100  
127 50.4 40.7 61.1  
141 13.8 12.0 18.0





#11

Tert butyl alcohol

Concen: 100.588 ug/l

RT: 2.989 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 59 Resp: 34049

Ion Ratio Lower Upper

59 100

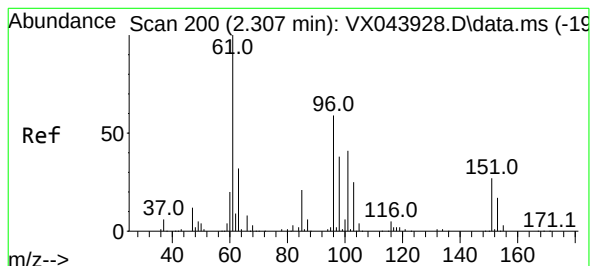
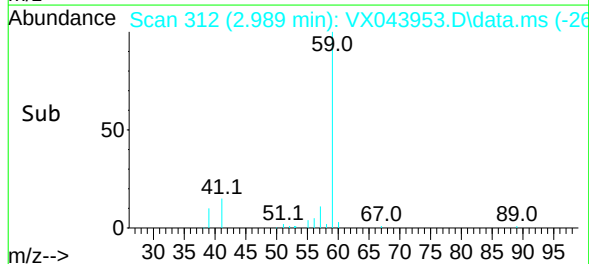
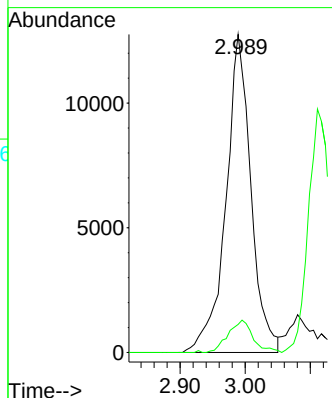
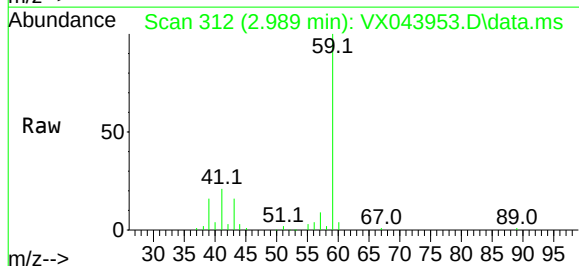
57 10.1 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 20.417 ug/l

RT: 2.312 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

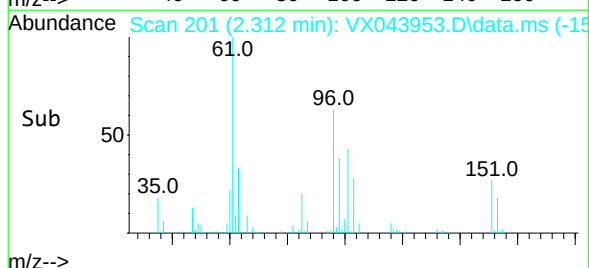
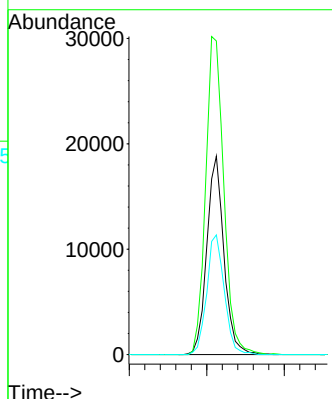
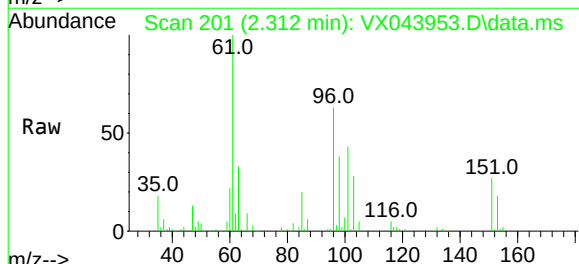
Tgt Ion: 96 Resp: 28927

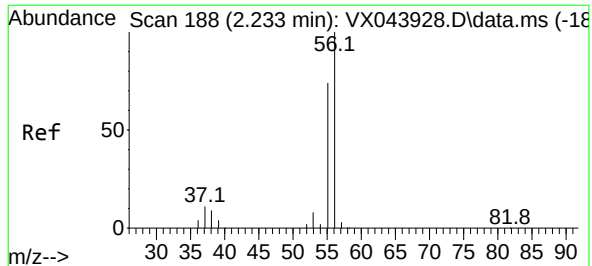
Ion Ratio Lower Upper

96 100

61 158.0 135.5 203.3

98 60.3 50.8 76.2





#13

Acrolein

Concen: 106.330 ug/l

RT: 2.239 min Scan# 18

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 56 Resp: 37938

Ion Ratio Lower Upper

56 100

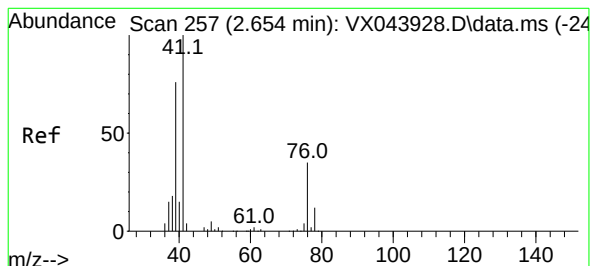
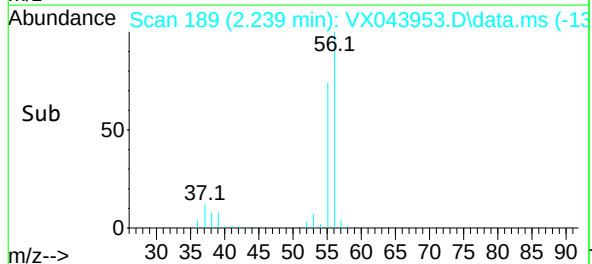
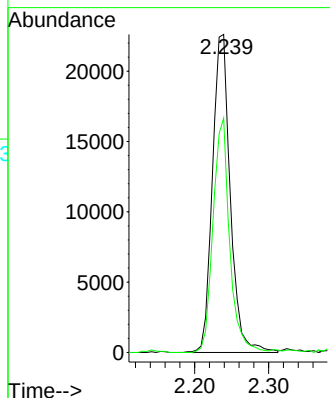
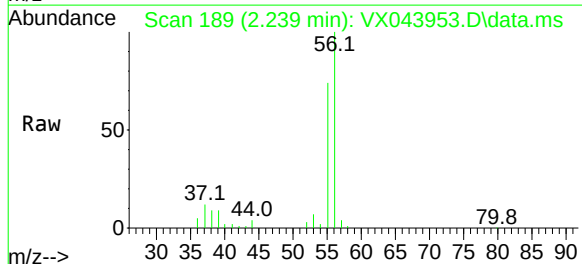
55 68.4 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 21.009 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

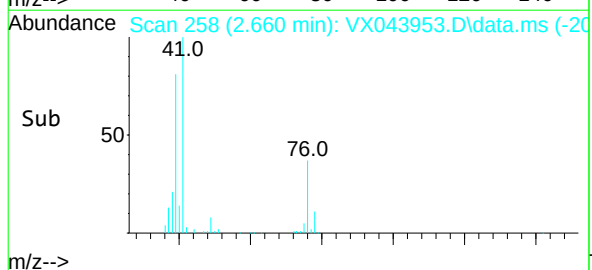
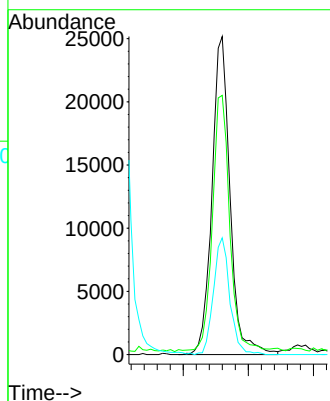
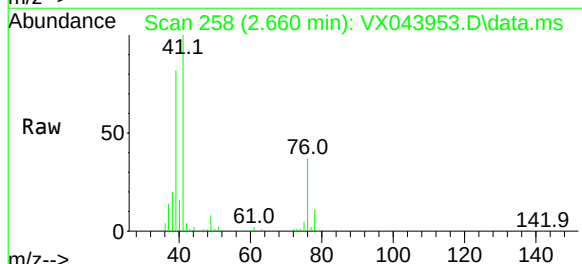
Tgt Ion: 41 Resp: 48638

Ion Ratio Lower Upper

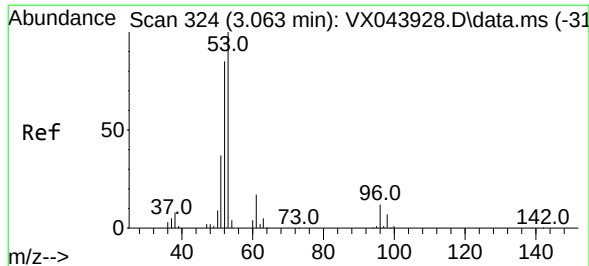
41 100

39 77.4 59.5 89.3

76 33.1 27.4 41.2







#15

Acrylonitrile

Concen: 103.970 ug/l

RT: 3.062 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

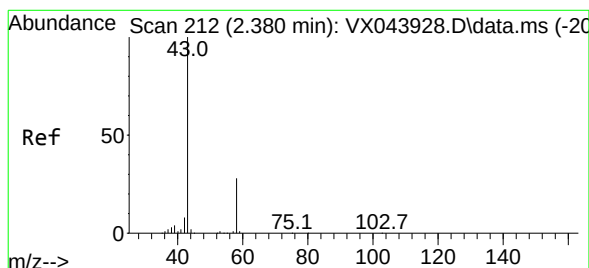
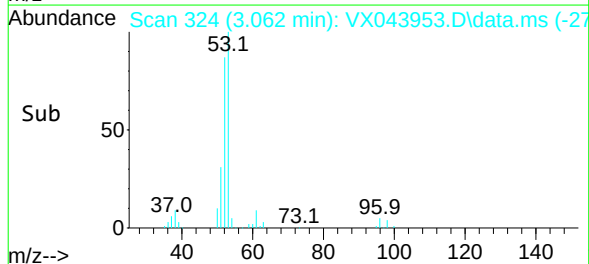
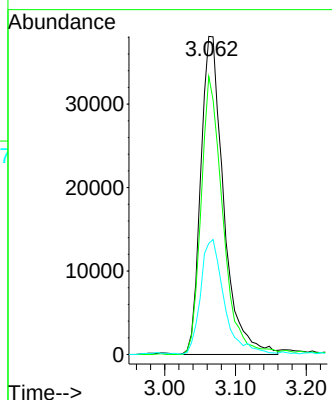
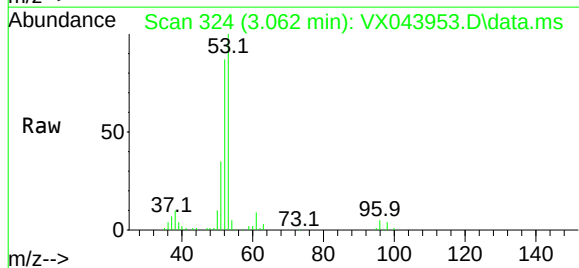
ClientSampleId :

VX1122WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 85765 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.4  | 66.5  | 99.7  |
| 51       | 36.9  | 30.2  | 45.4  |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 99.942 ug/l

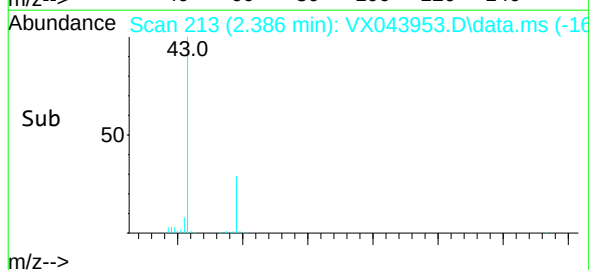
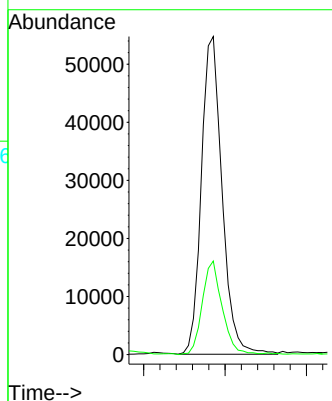
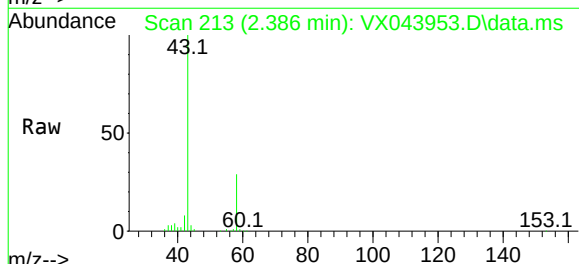
RT: 2.386 min Scan# 213

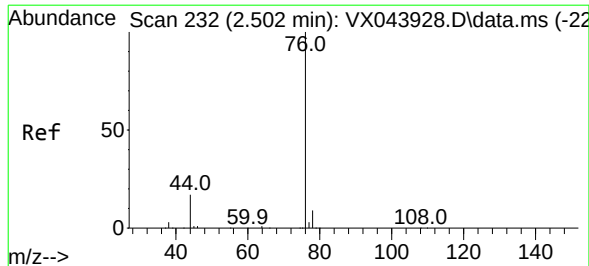
Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 96805 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.4  | 22.7  | 34.1  |





#17

Carbon Disulfide

Concen: 17.041 ug/l

RT: 2.501 min Scan# 23

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 76 Resp: 49804

Ion Ratio Lower Upper

76 100

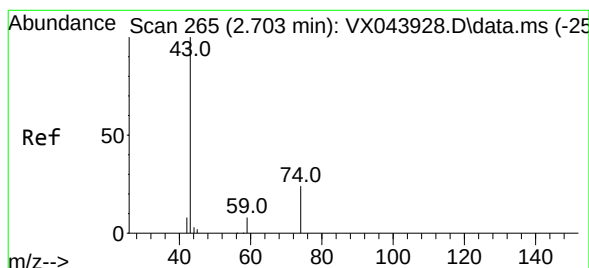
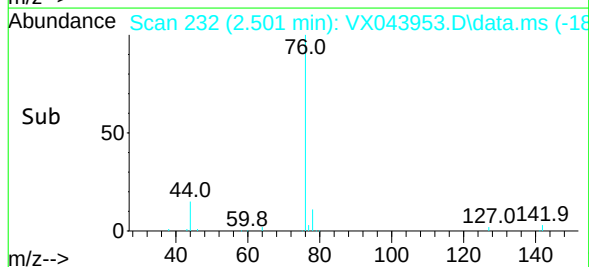
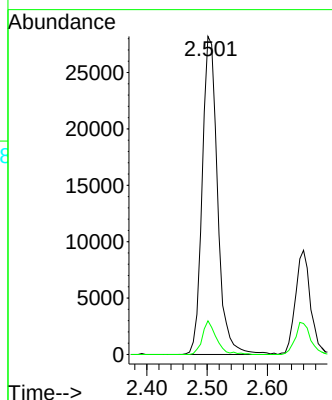
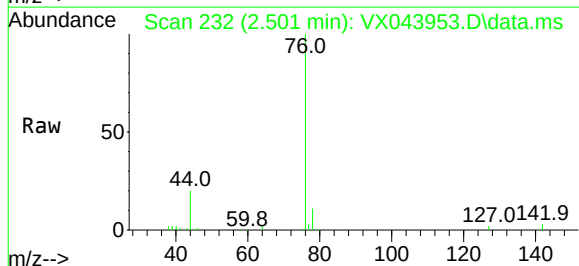
78 10.6 7.0 10.6#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 20.512 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043953.D

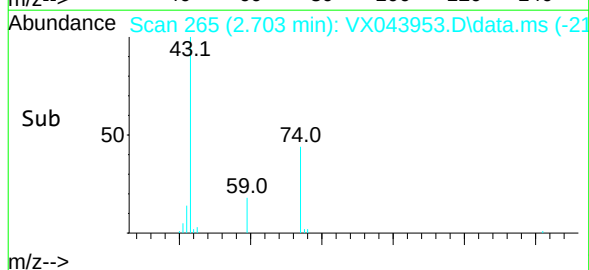
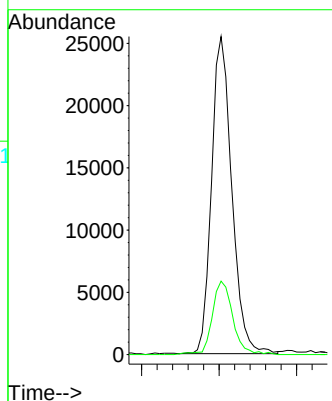
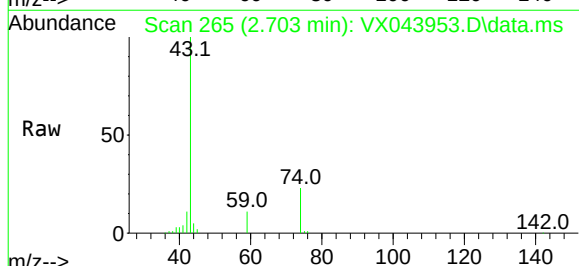
Acq: 22 Nov 2024 12:36

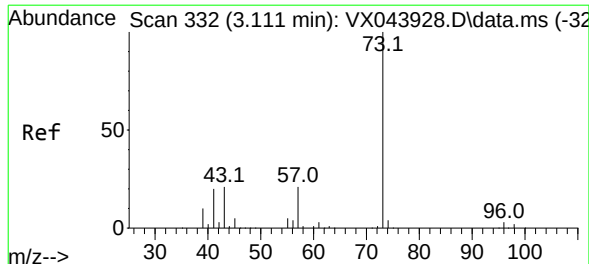
Tgt Ion: 43 Resp: 46269

Ion Ratio Lower Upper

43 100

74 23.5 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 21.507 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 73 Resp: 110640

Ion Ratio Lower Upper

73 100

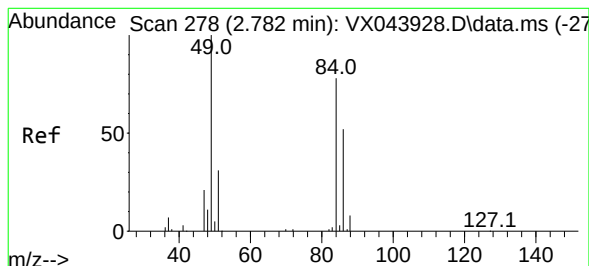
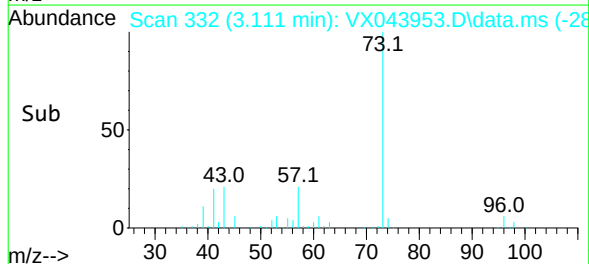
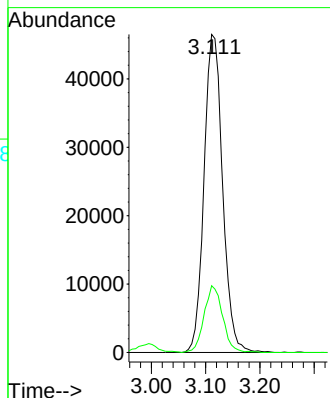
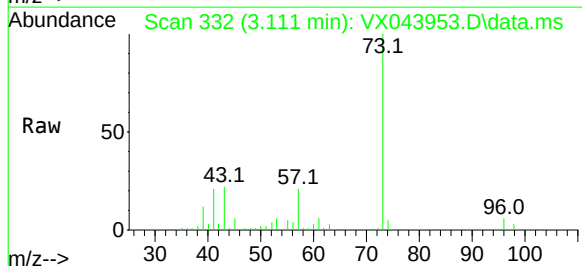
57 21.0 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 20.728 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Tgt Ion: 84 Resp: 34071

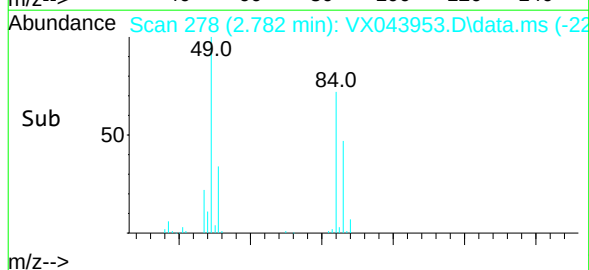
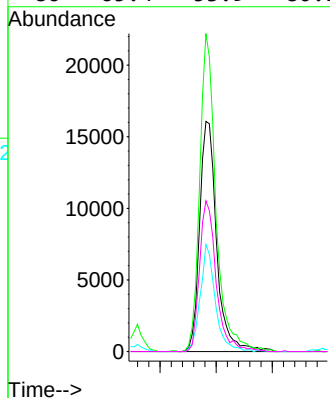
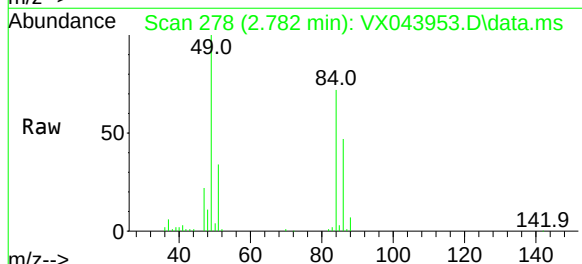
Ion Ratio Lower Upper

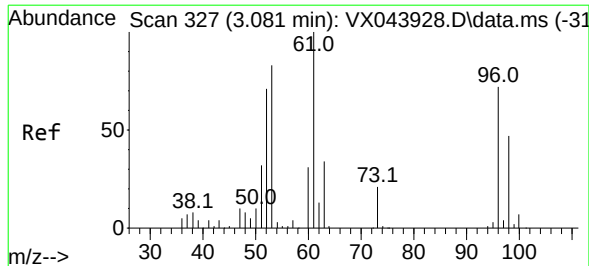
84 100

49 138.2 102.7 154.1

51 46.5 31.7 47.5

86 65.4 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 20.871 ug/l

RT: 3.087 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 96 Resp: 30530

Ion Ratio Lower Upper

96 100

61 134.8 111.8 167.6

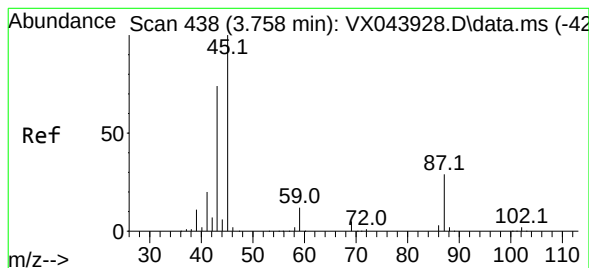
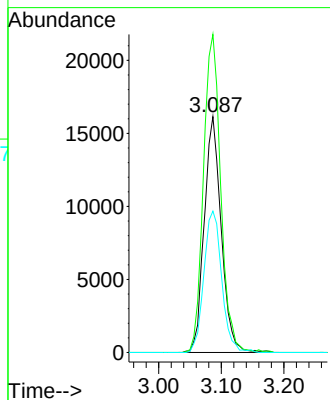
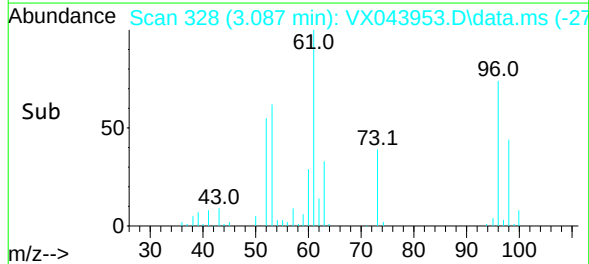
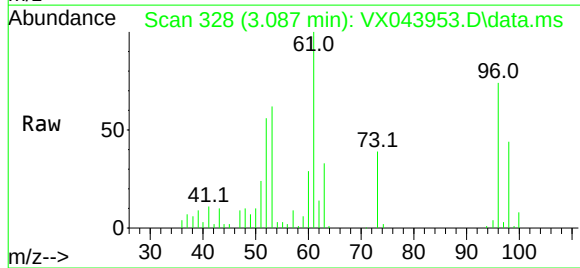
98 59.9 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 22.124 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Tgt Ion: 45 Resp: 109520

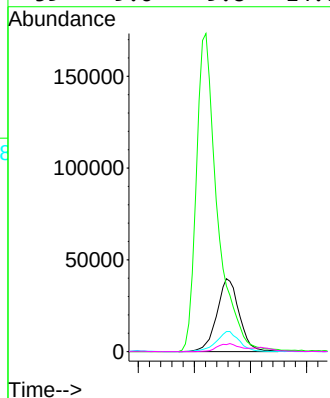
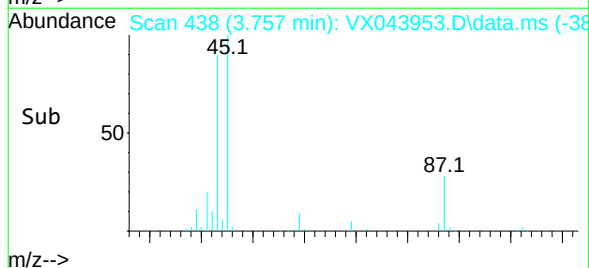
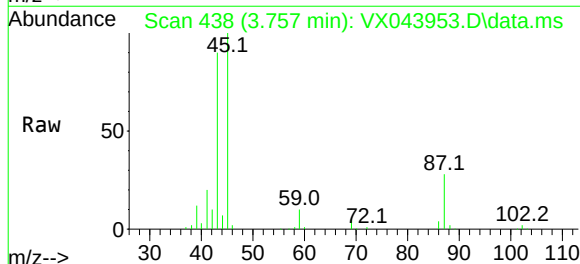
Ion Ratio Lower Upper

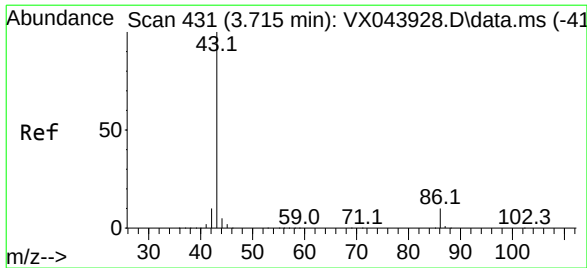
45 100

43 89.8 59.6 89.4#

87 27.5 22.9 34.3

59 9.6 9.8 14.6#





#23

Vinyl Acetate

Concen: 107.047 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 43 Resp: 453316

Ion Ratio Lower Upper

43 100

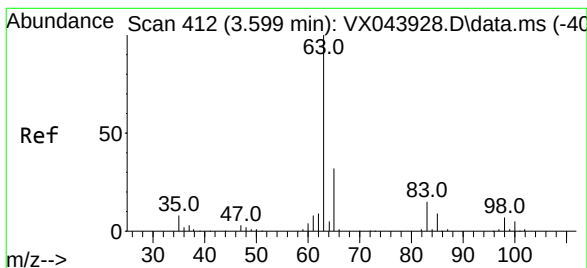
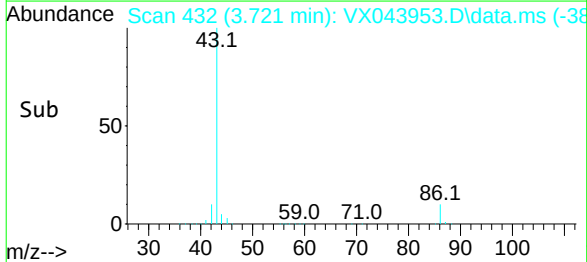
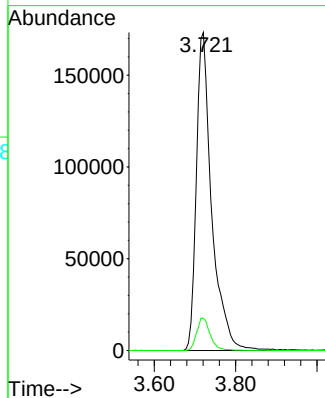
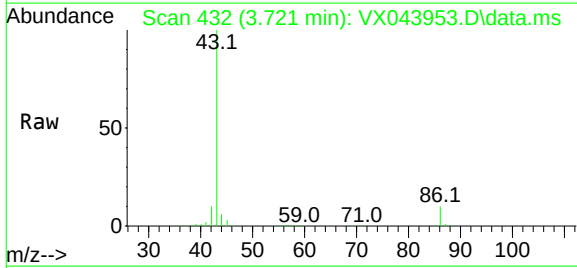
86 10.1 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 21.241 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

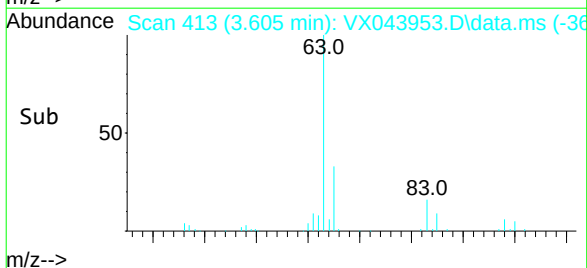
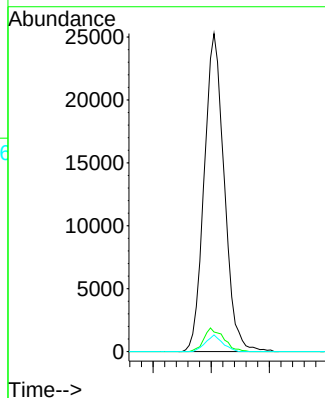
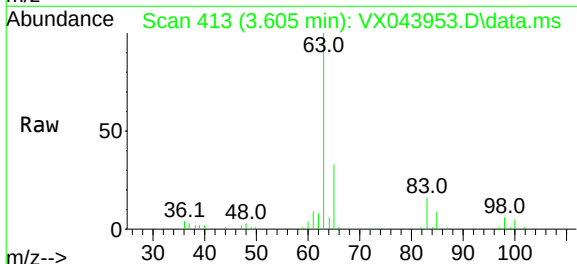
Tgt Ion: 63 Resp: 60662

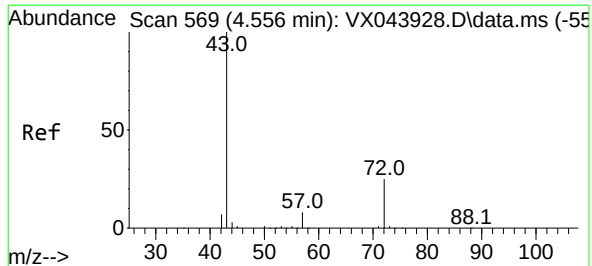
Ion Ratio Lower Upper

63 100

98 6.2 3.5 10.6

100 5.2 2.4 7.1





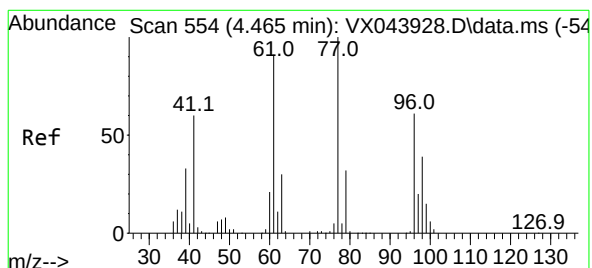
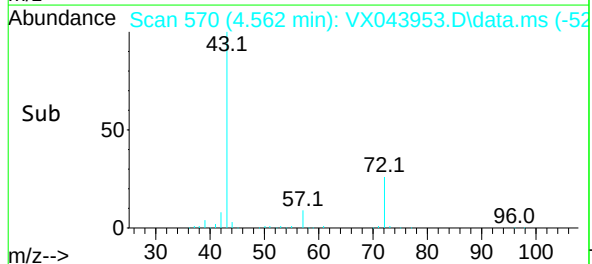
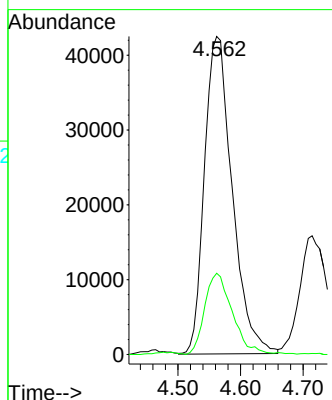
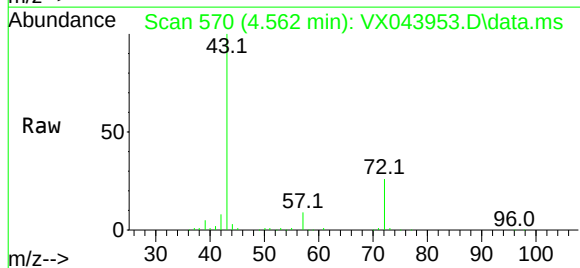
#25  
2-Butanone  
Concen: 104.675 ug/l  
RT: 4.562 min Scan# 571  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Tgt Ion: 43 Resp: 130824  
Ion Ratio Lower Upper  
43 100  
72 25.3 20.2 30.2

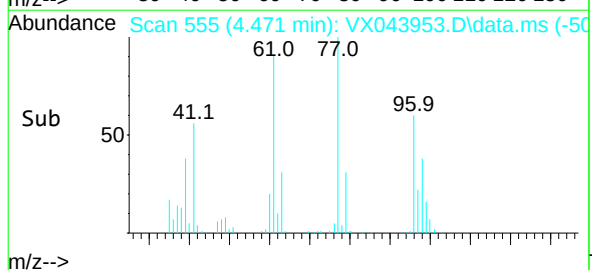
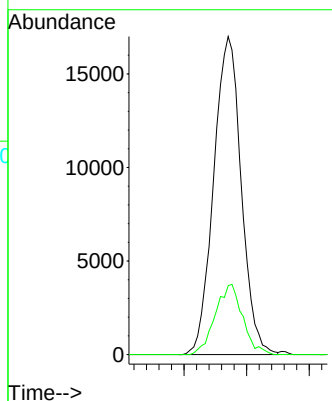
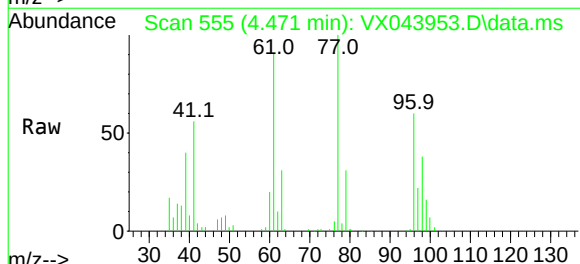
Manual Integrations  
APPROVED

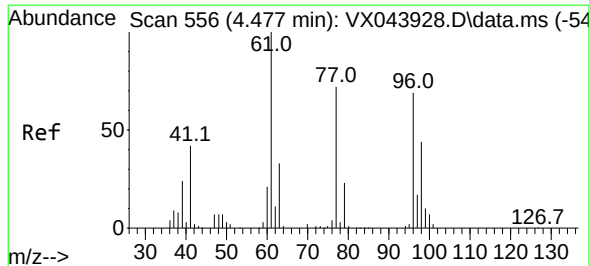
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#26  
2,2-Dichloropropane  
Concen: 20.178 ug/l  
RT: 4.471 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

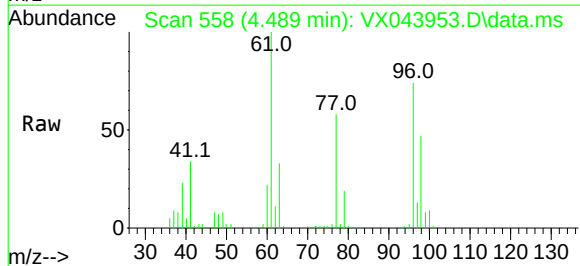
Tgt Ion: 77 Resp: 52043  
Ion Ratio Lower Upper  
77 100  
97 22.0 10.8 32.3





#27  
cis-1,2-Dichloroethene  
Concen: 20.783 ug/l  
RT: 4.489 min Scan# 556  
Delta R.T. 0.012 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

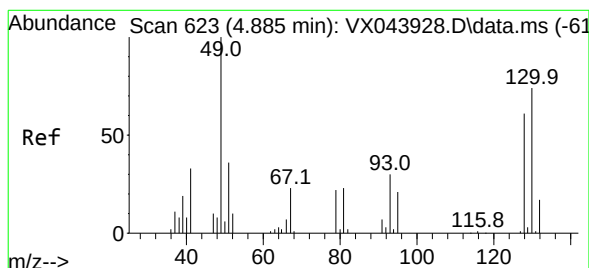
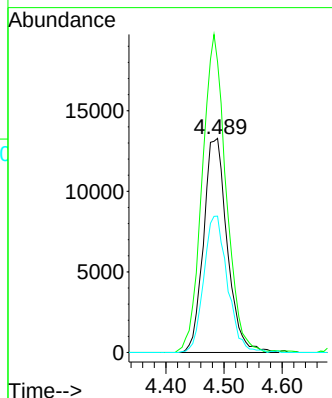
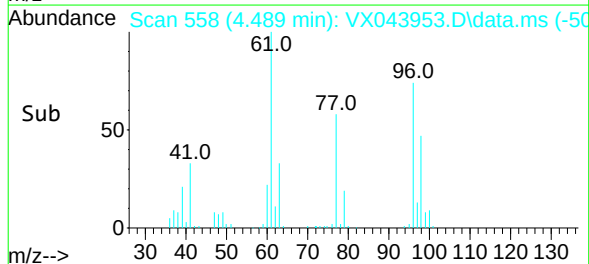
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01



Tgt Ion: 96 Resp: 37579  
Ion Ratio Lower Upper  
96 100  
61 149.8 0.0 297.4  
98 63.7 0.0 127.8

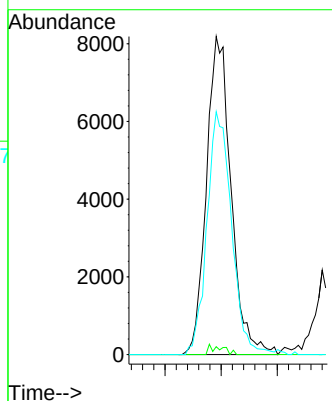
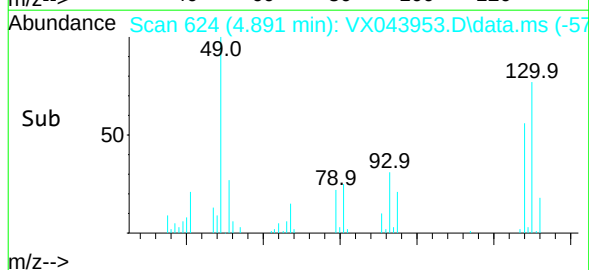
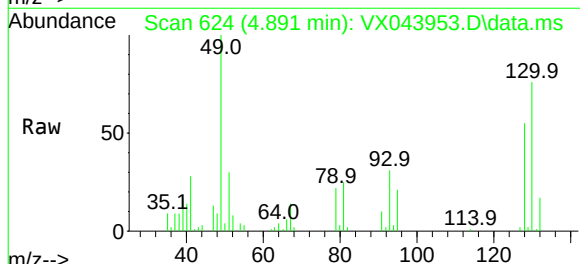
Manual Integrations  
APPROVED

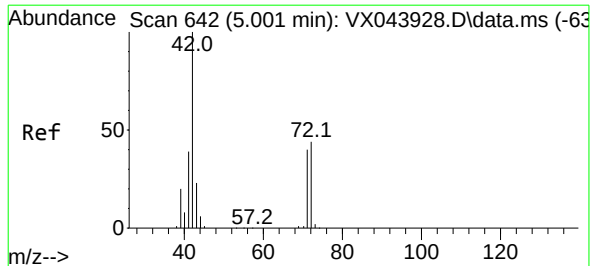
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#28  
Bromochloromethane  
Concen: 19.846 ug/l  
RT: 4.891 min Scan# 624  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 49 Resp: 24947  
Ion Ratio Lower Upper  
49 100  
129 0.5 0.0 4.0  
130 76.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 103.164 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 42 Resp: 79046

Ion Ratio Lower Upper

42 100

72 44.8 36.4 54.6

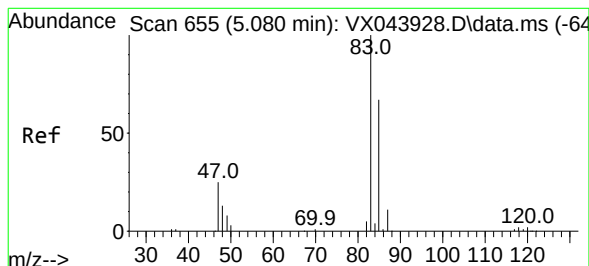
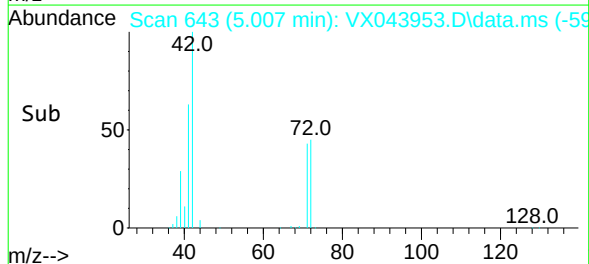
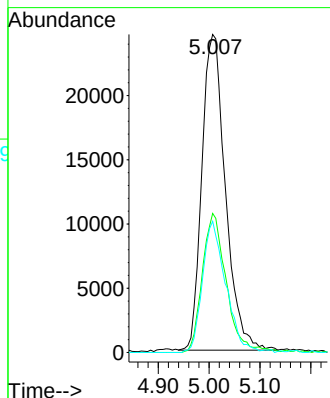
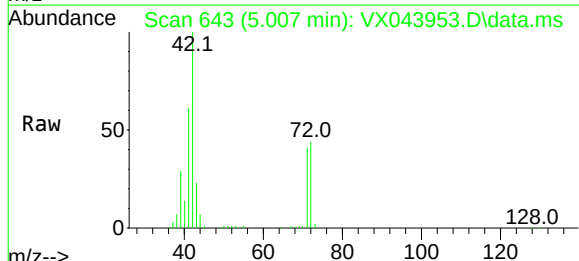
71 40.9 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#30

Chloroform

Concen: 21.602 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043953.D

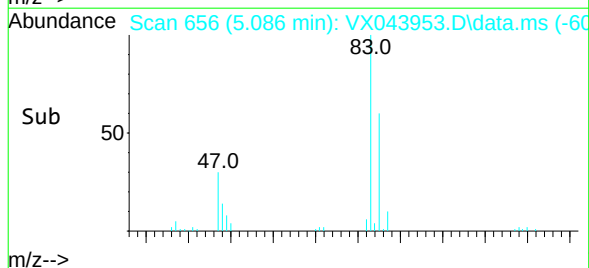
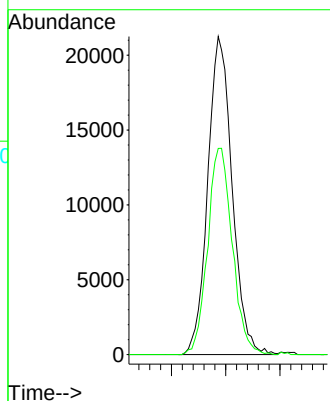
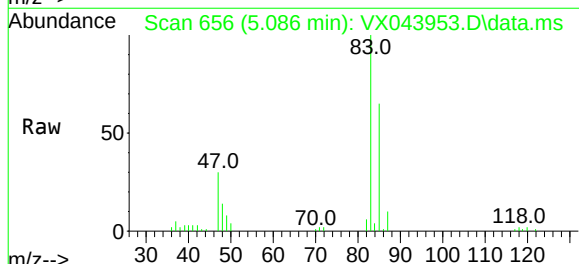
Acq: 22 Nov 2024 12:36

Tgt Ion: 83 Resp: 66350

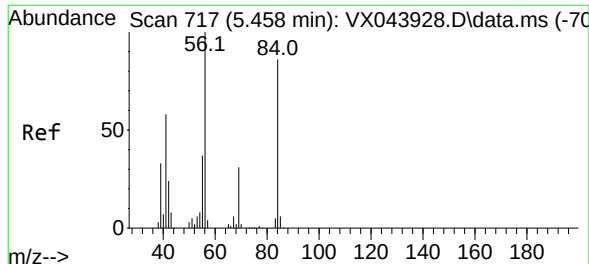
Ion Ratio Lower Upper

83 100

85 64.8 53.5 80.3







#31

Cyclohexane

Concen: 19.867 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 56 Resp: 46697

Ion Ratio Lower Upper

56 100

69 27.5 24.7 37.1

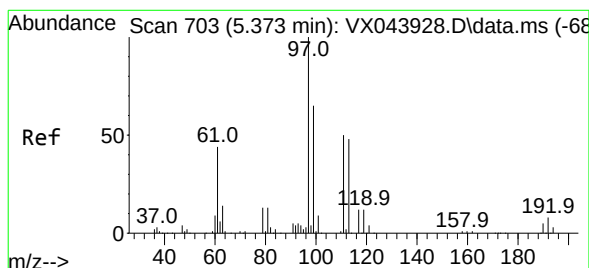
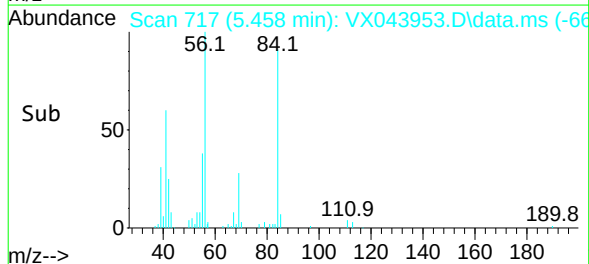
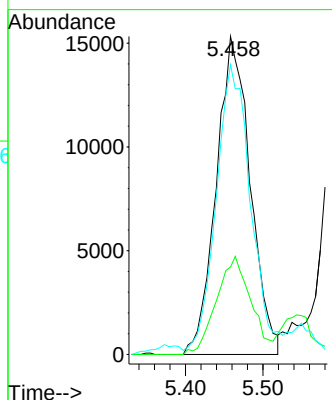
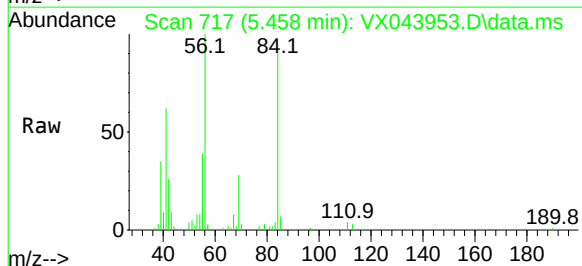
84 88.5 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 21.390 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

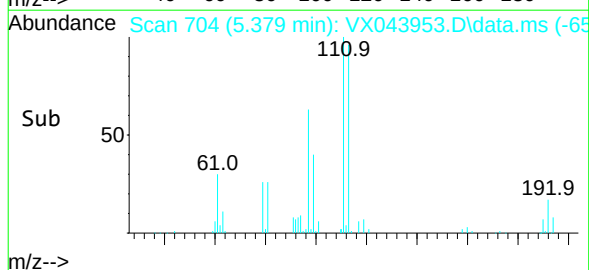
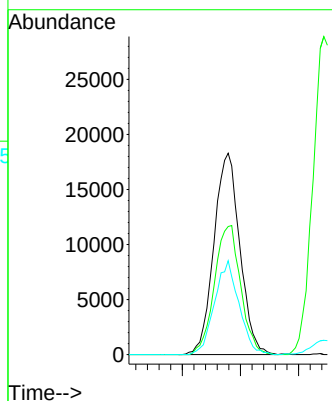
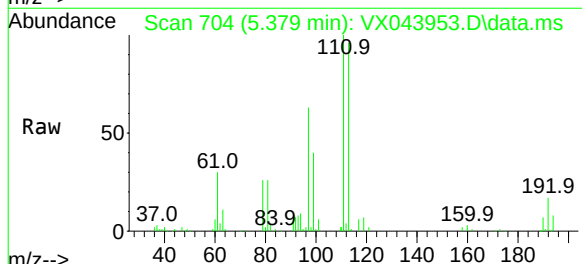
Tgt Ion: 97 Resp: 56657

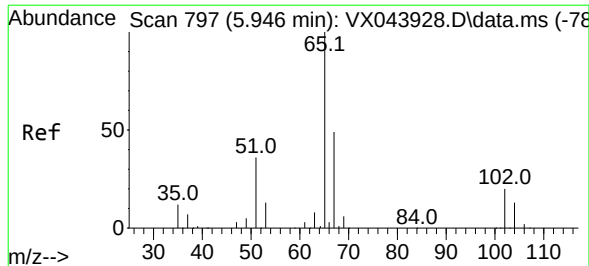
Ion Ratio Lower Upper

97 100

99 64.8 50.8 76.2

61 43.9 35.4 53.2





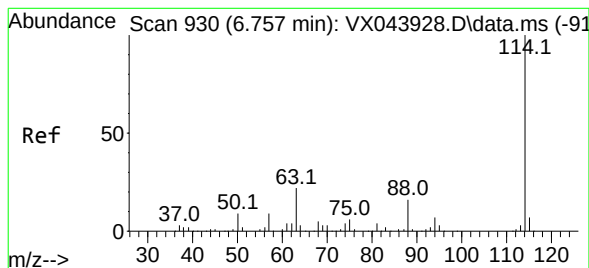
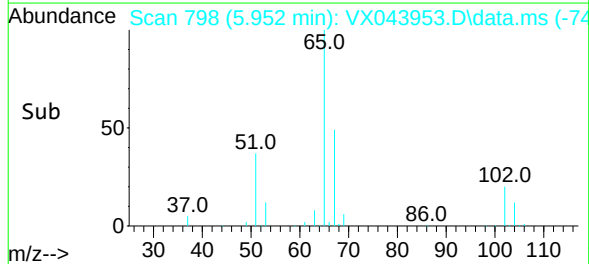
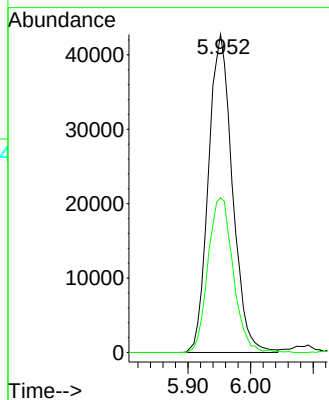
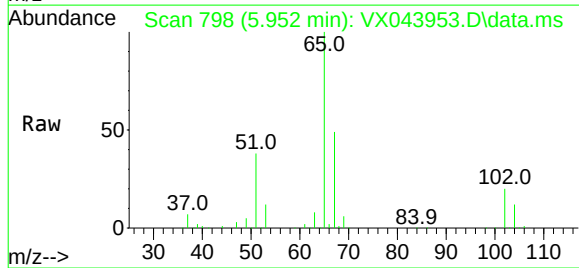
#33  
1,2-Dichloroethane-d4  
Concen: 53.986 ug/l  
RT: 5.952 min Scan# 797  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Tgt Ion: 65 Resp: 113852  
Ion Ratio Lower Upper  
65 100  
67 50.9 0.0 100.8

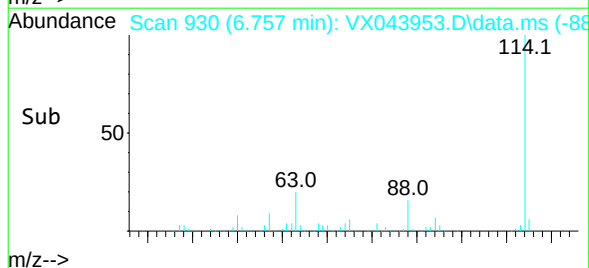
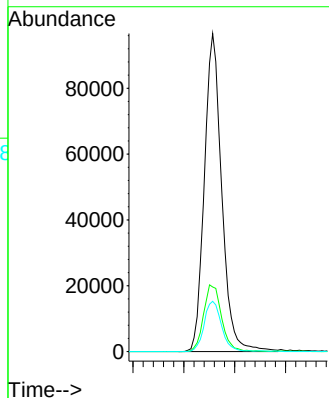
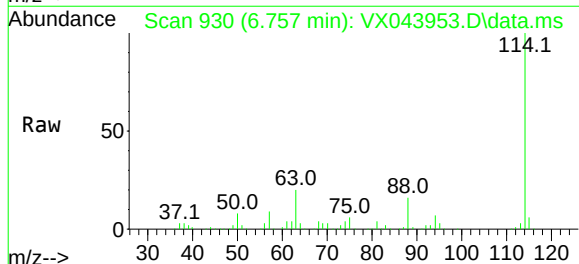
Manual Integrations  
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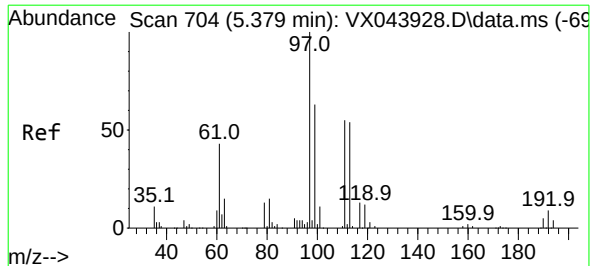
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

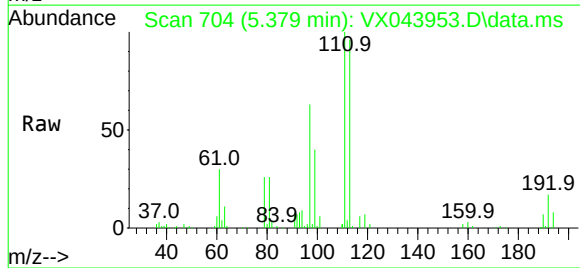
Tgt Ion:114 Resp: 229417  
Ion Ratio Lower Upper  
114 100  
63 20.3 0.0 44.0  
88 15.8 0.0 32.4





#35  
Dibromofluoromethane  
Concen: 50.452 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

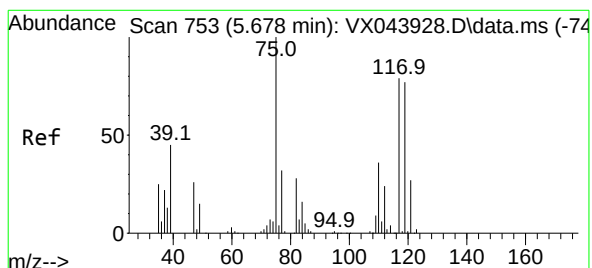
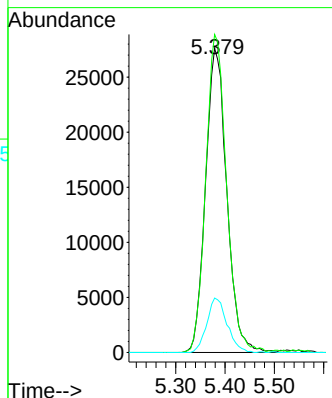
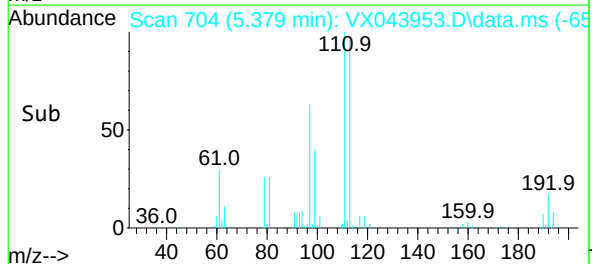
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01



Tgt Ion: 113 Resp: 82706  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.0 121.4  
192 17.0 13.0 19.6

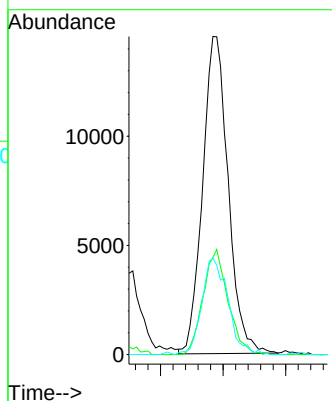
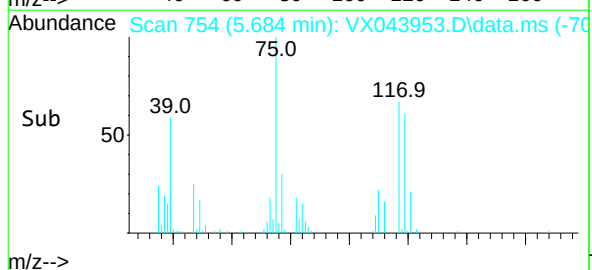
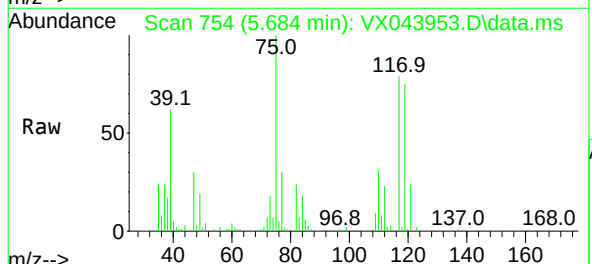
Manual Integrations  
APPROVED

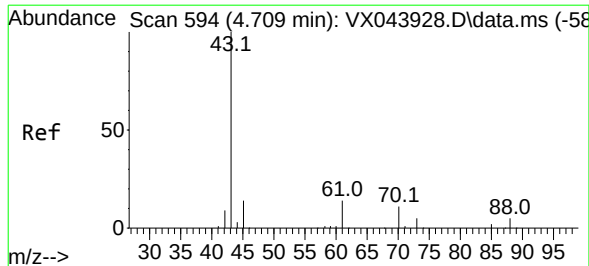
Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024



#36  
1,1-Dichloropropene  
Concen: 20.185 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 41234  
Ion Ratio Lower Upper  
75 100  
110 32.4 17.4 52.2  
77 31.0 25.8 38.8





#37

Ethyl Acetate

Concen: 19.620 ug/l

RT: 4.714 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 43 Resp: 49752

Ion Ratio Lower Upper

43 100

61 12.4 10.7 16.1

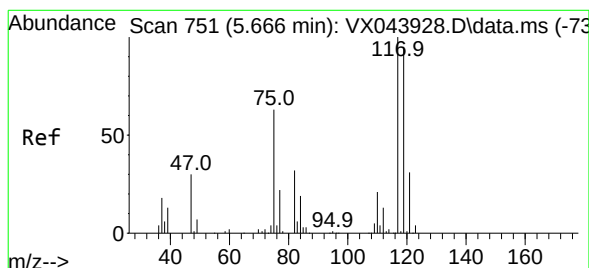
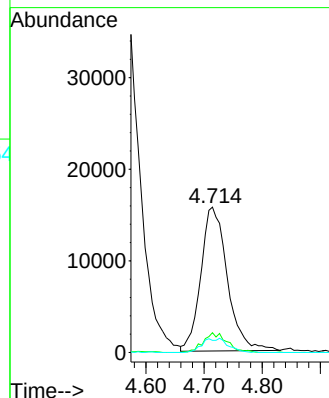
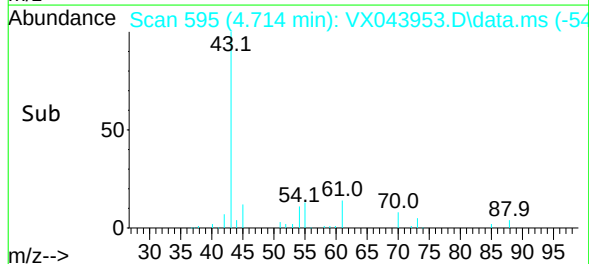
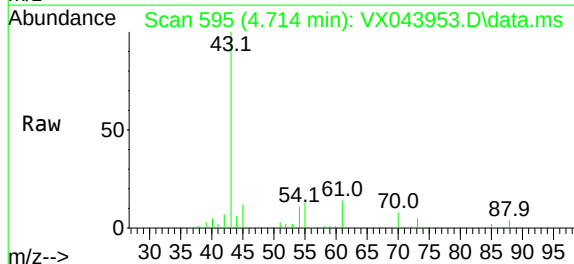
70 4.4 8.0 12.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 18.875 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

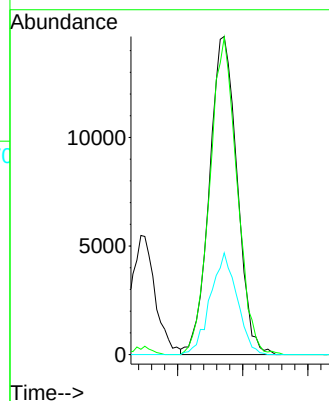
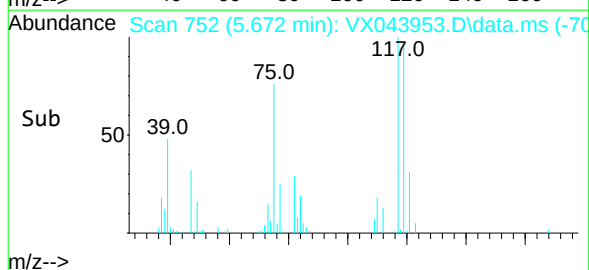
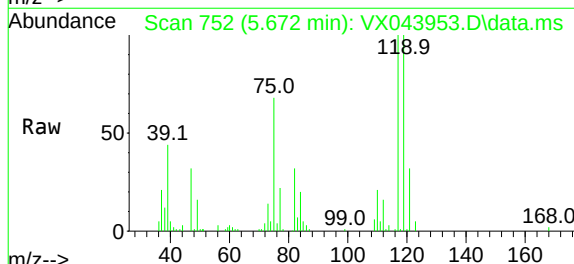
Tgt Ion:117 Resp: 43324

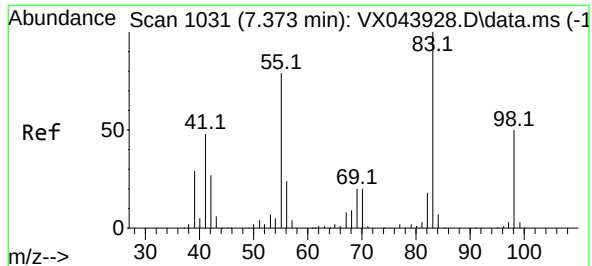
Ion Ratio Lower Upper

117 100

119 99.7 75.2 112.8

121 32.0 24.5 36.7





#39

Methylcyclohexane

Concen: 18.550 ug/l

RT: 7.372 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 83 Resp: 49229

Ion Ratio Lower Upper

83 100

55 78.4 63.1 94.7

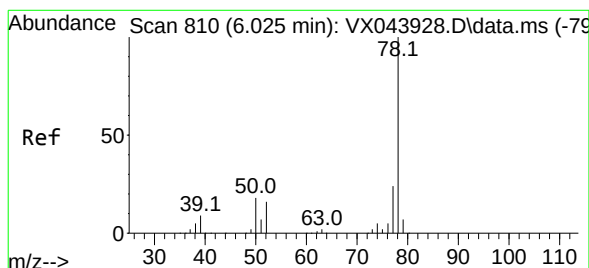
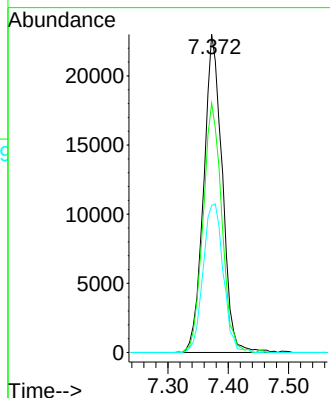
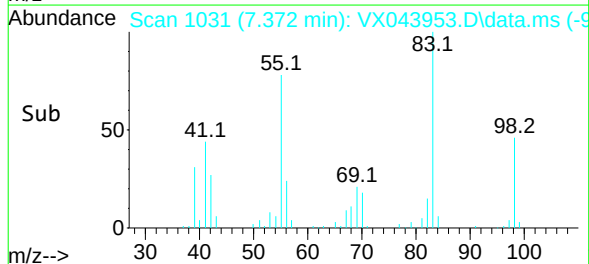
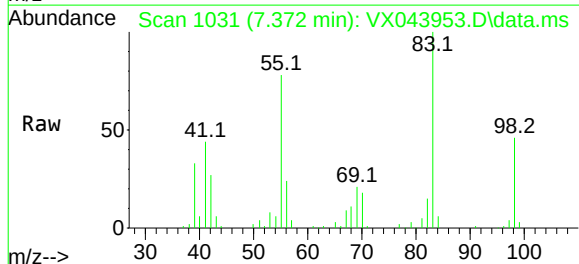
98 46.2 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 20.319 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043953.D

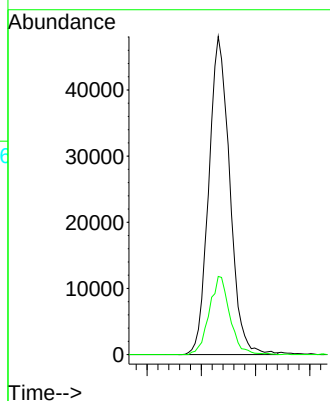
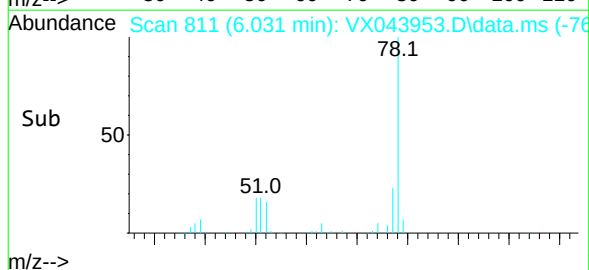
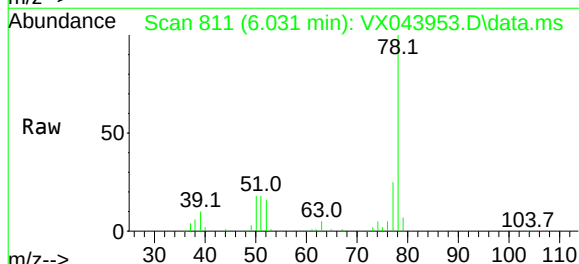
Acq: 22 Nov 2024 12:36

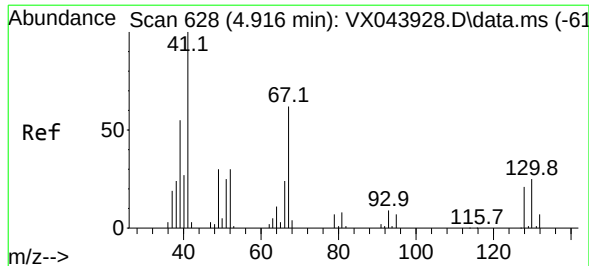
Tgt Ion: 78 Resp: 129291

Ion Ratio Lower Upper

78 100

77 24.6 19.2 28.8





#41

Methacrylonitrile

Concen: 20.295 ug/l

RT: 4.922 min Scan# 62

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 41 Resp: 26340

Ion Ratio Lower Upper

41 100

39 63.4 41.7 62.5#

67 69.9 55.8 83.8

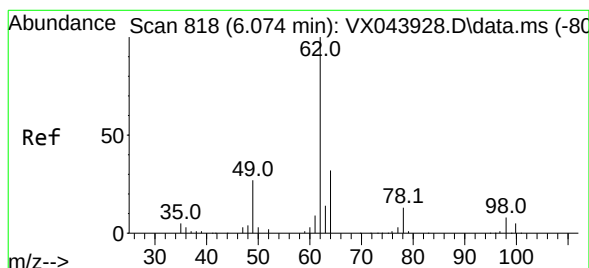
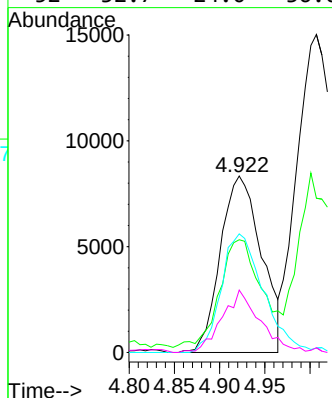
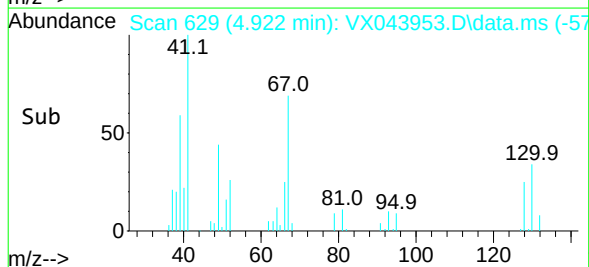
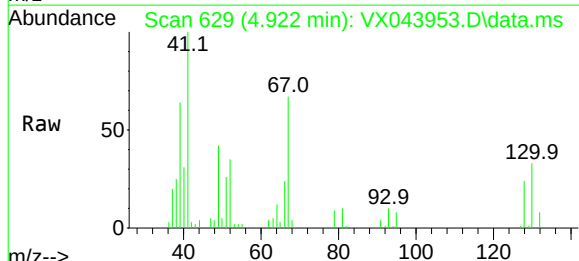
52 32.7 24.0 36.0

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 20.702 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.012 min

Lab File: VX043953.D

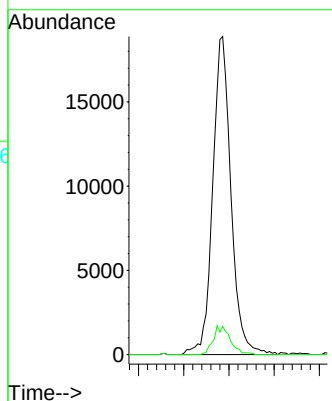
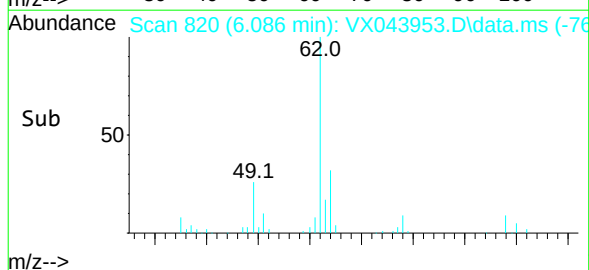
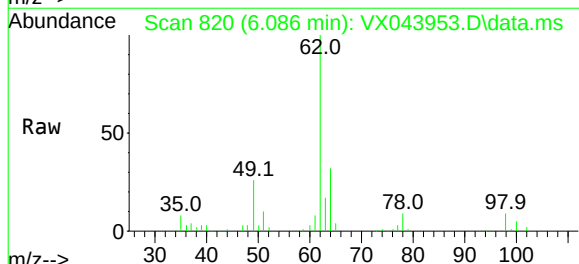
Acq: 22 Nov 2024 12:36

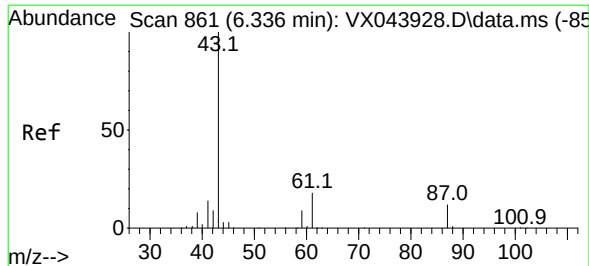
Tgt Ion: 62 Resp: 52905

Ion Ratio Lower Upper

62 100

98 8.4 0.0 16.4





#43

Isopropyl Acetate

Concen: 20.264 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

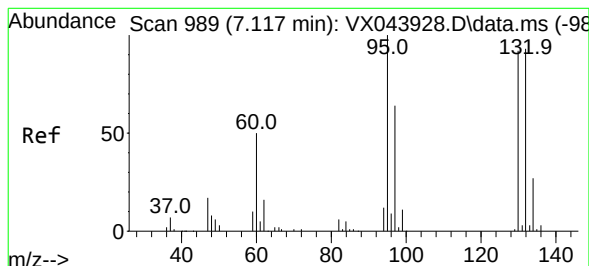
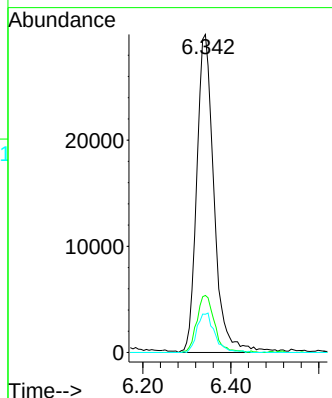
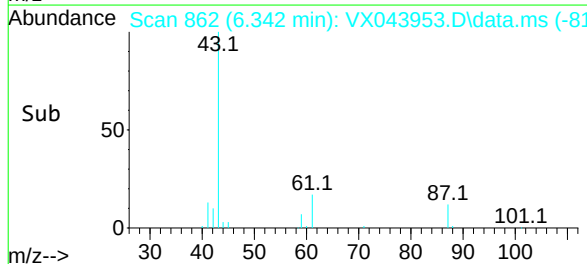
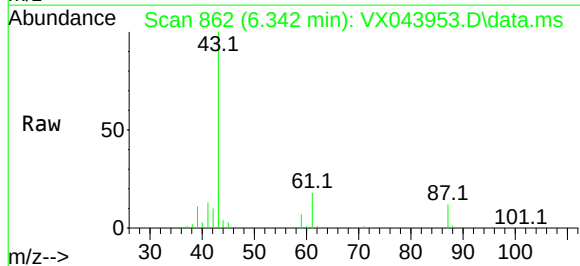
ClientSampleId :

VX1122WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 81776 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 18.4  | 14.5  | 21.7  |
| 87       | 12.7  | 10.2  | 15.2  |

Manual Integrations  
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Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 16.978 ug/l

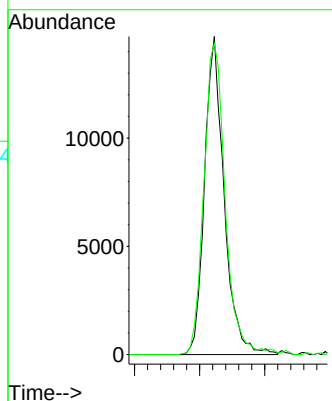
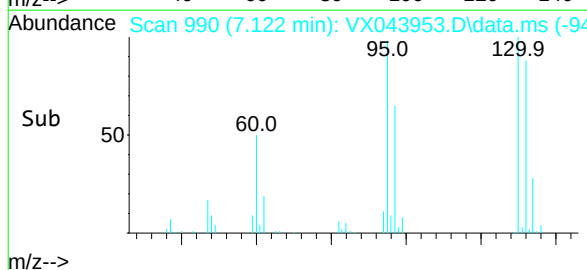
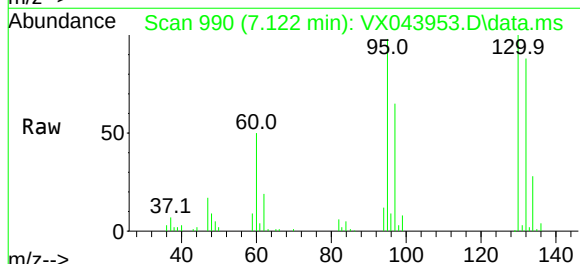
RT: 7.122 min Scan# 990

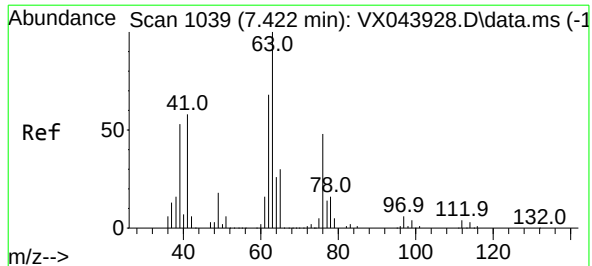
Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 130   | Resp: | 30582 |
| Ion      | Ratio | Lower | Upper |
| 130      | 100   |       |       |
| 95       | 97.8  | 0.0   | 217.8 |





#45

1,2-Dichloropropane

Concen: 21.032 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 32777

Ion Ratio Lower Upper

63 100

65 31.3 23.8 35.6

Instrument :

MSVOA\_X

ClientSampleId :

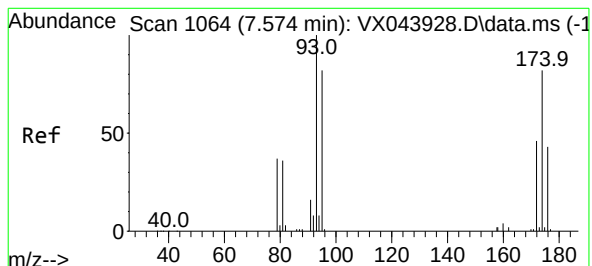
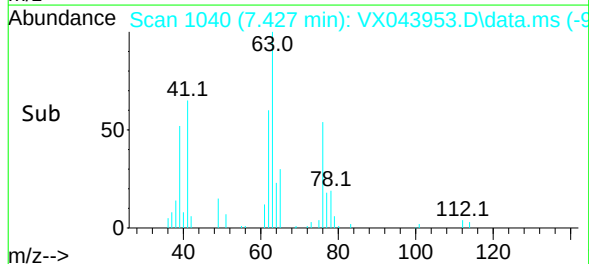
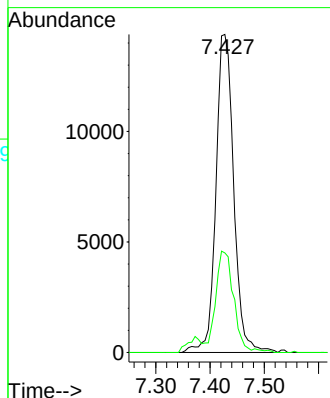
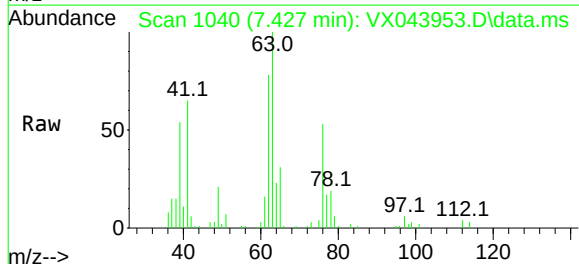
VX1122WBS01

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 20.535 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

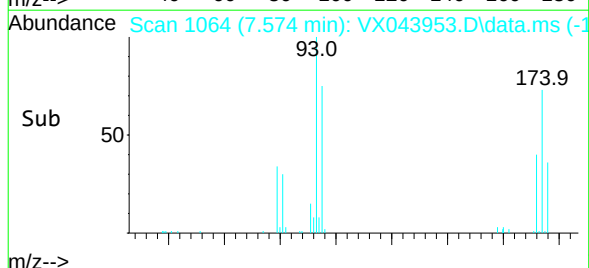
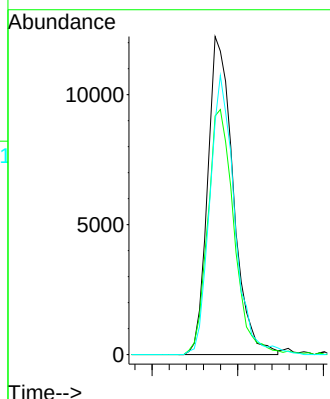
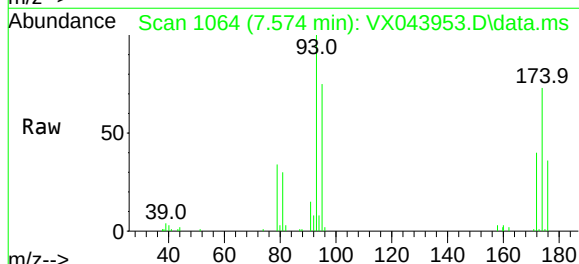
Tgt Ion: 93 Resp: 25316

Ion Ratio Lower Upper

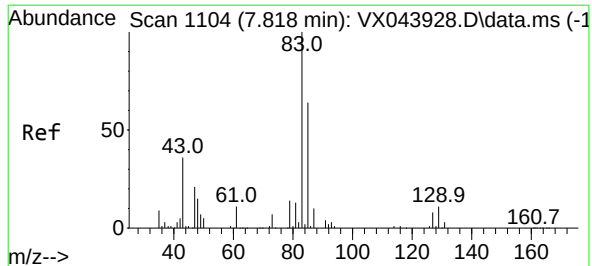
93 100

95 79.9 66.2 99.4

174 85.6 69.6 104.4







#47

Bromodichloromethane

Concen: 19.866 ug/l

RT: 7.817 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 83 Resp: 43925

Ion Ratio Lower Upper

83 100

85 60.9 51.4 77.0

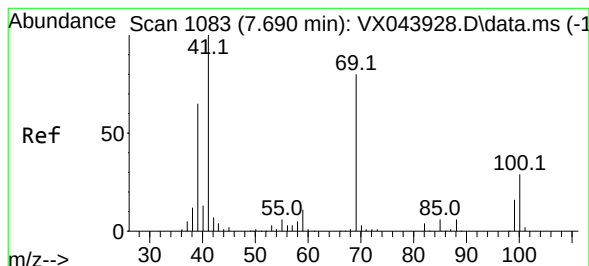
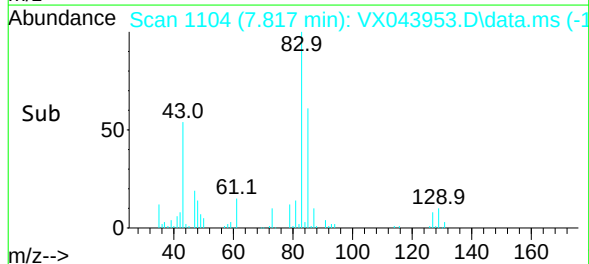
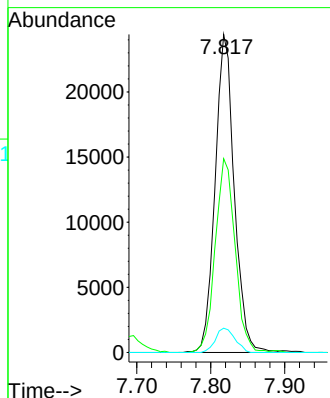
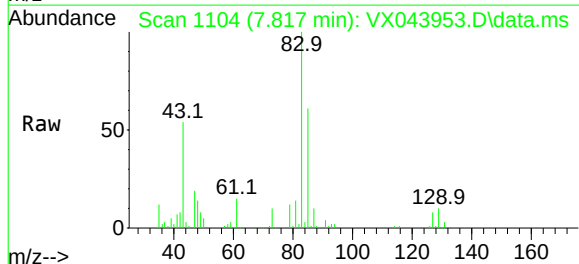
127 7.6 6.6 10.0

Manual Integrations

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Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 19.741 ug/l

RT: 7.689 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

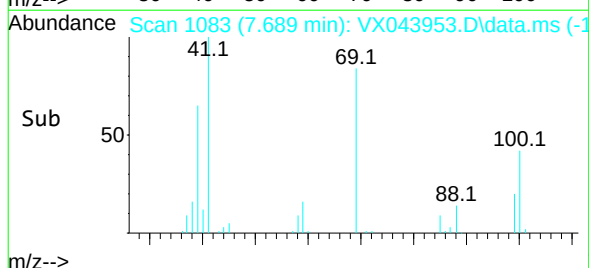
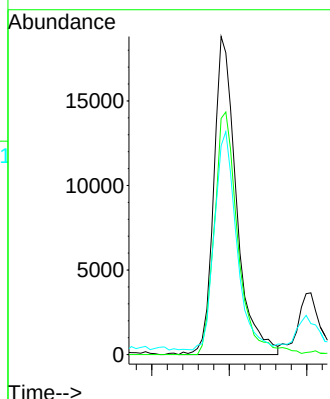
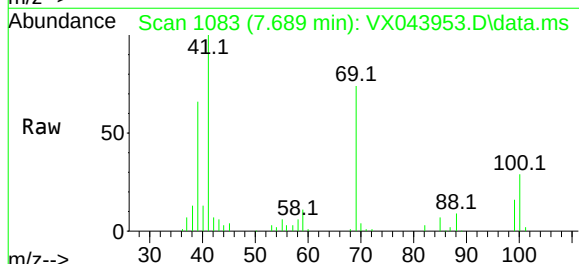
Tgt Ion: 41 Resp: 38226

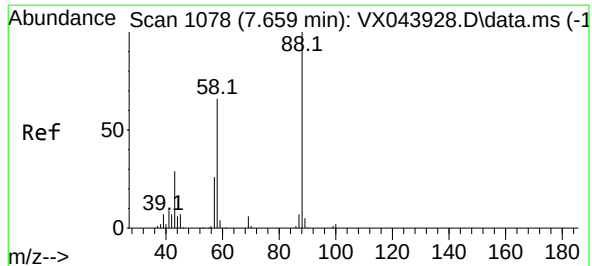
Ion Ratio Lower Upper

41 100

69 79.1 64.6 97.0

39 66.8 53.3 79.9





#49

1,4-Dioxane

Concen: 338.011 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 88 Resp: 11659

Ion Ratio Lower Upper

88 100

43 41.6 26.8 40.2#

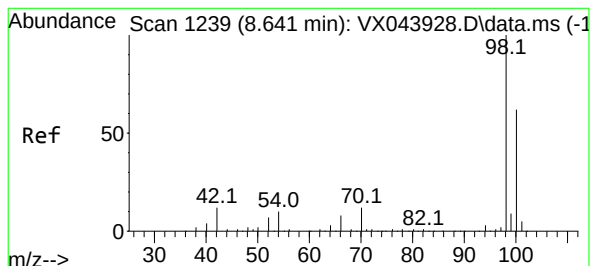
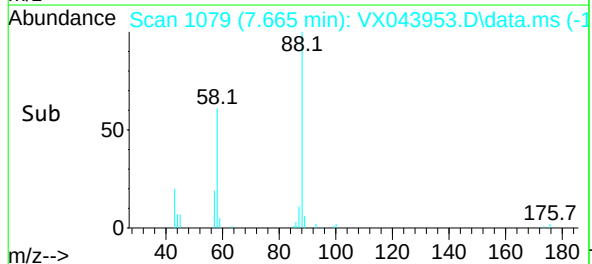
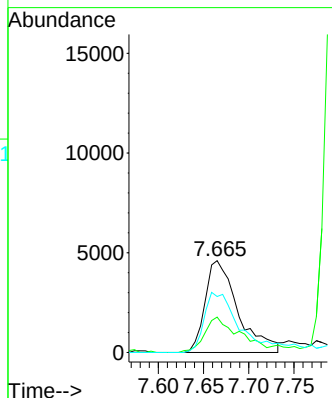
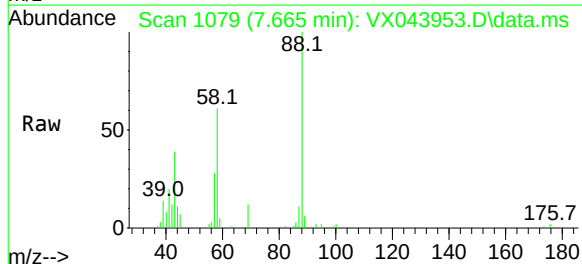
58 74.4 45.4 68.2#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

Concen: 50.911 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043953.D

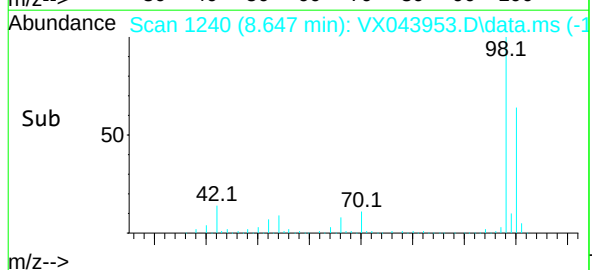
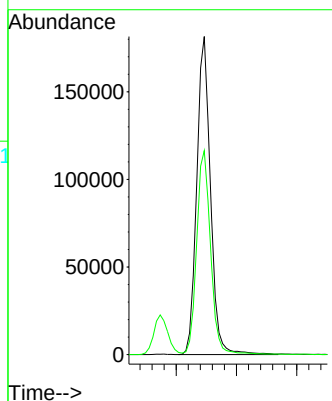
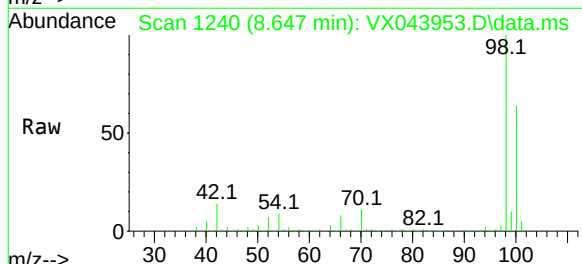
Acq: 22 Nov 2024 12:36

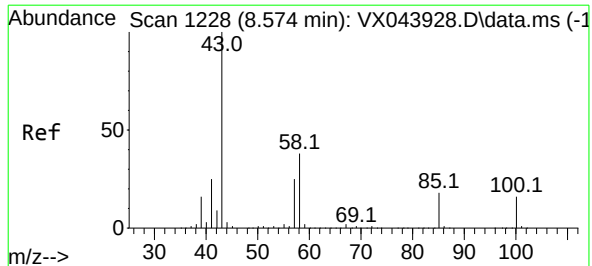
Tgt Ion: 98 Resp: 287688

Ion Ratio Lower Upper

98 100

100 64.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 100.883 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 248440

Ion Ratio Lower Upper

43 100

58 37.4 30.0 45.0

Instrument :

MSVOA\_X

ClientSampleId :

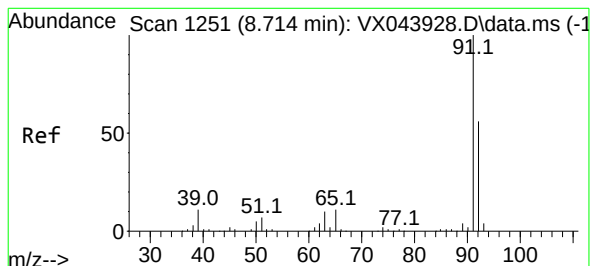
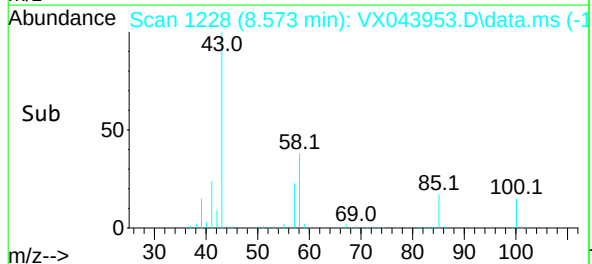
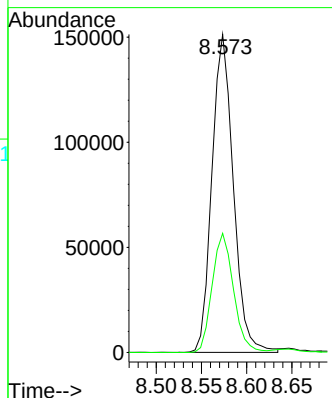
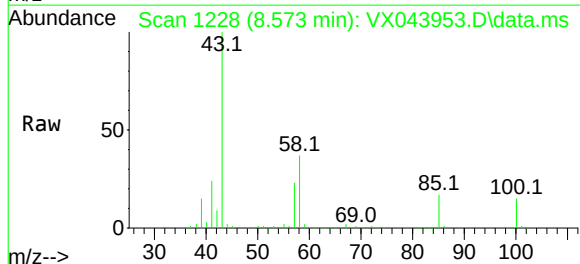
VX1122WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#52

Toluene

Concen: 20.351 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043953.D

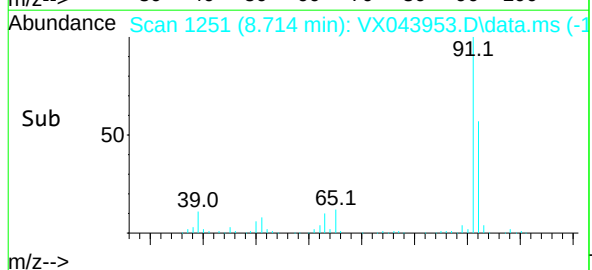
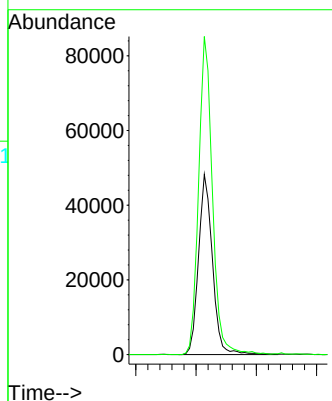
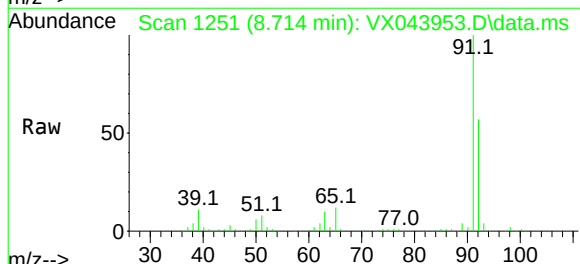
Acq: 22 Nov 2024 12:36

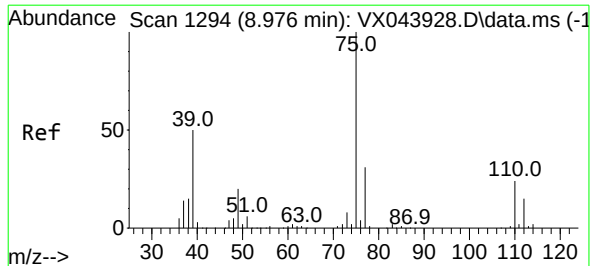
Tgt Ion: 92 Resp: 77505

Ion Ratio Lower Upper

92 100

91 175.1 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 19.965 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 75 Resp: 45015

Ion Ratio Lower Upper

75 100

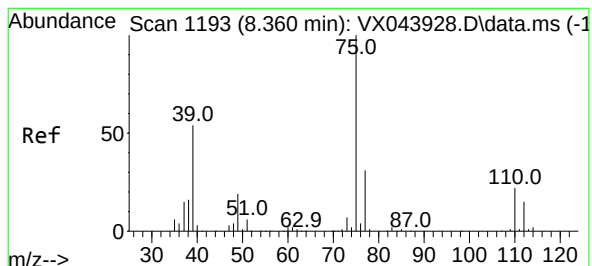
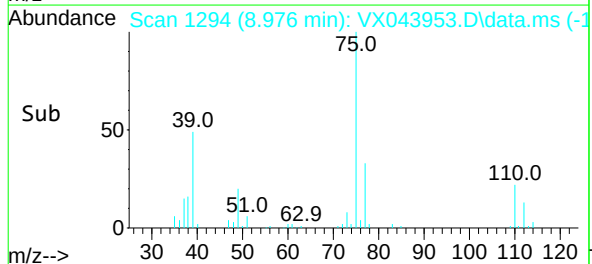
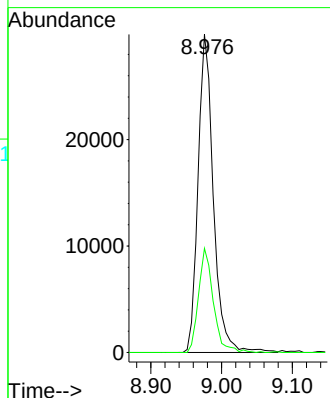
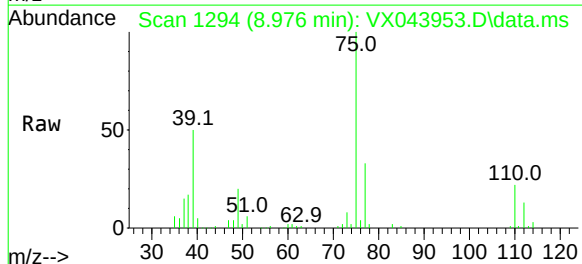
77 32.7 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 19.572 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

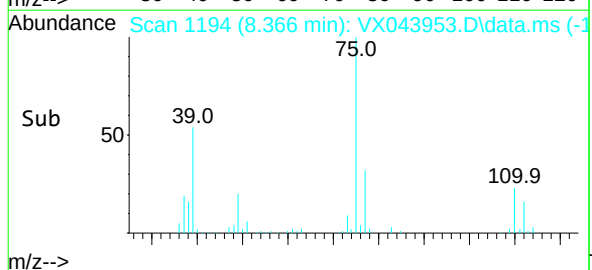
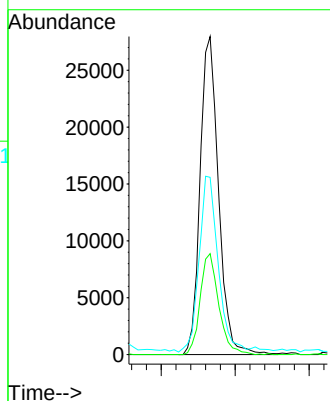
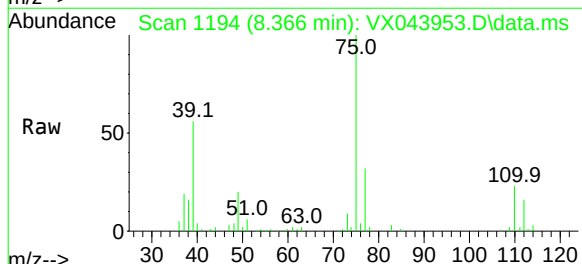
Tgt Ion: 75 Resp: 48377

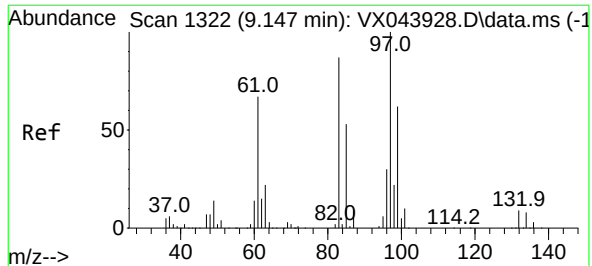
Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8

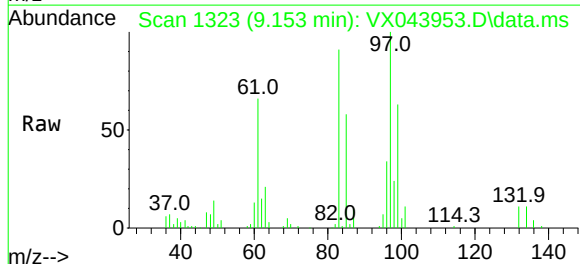
39 54.9 43.1 64.7





#55  
1,1,2-Trichloroethane  
Concen: 20.126 ug/l  
RT: 9.153 min Scan# 1322  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

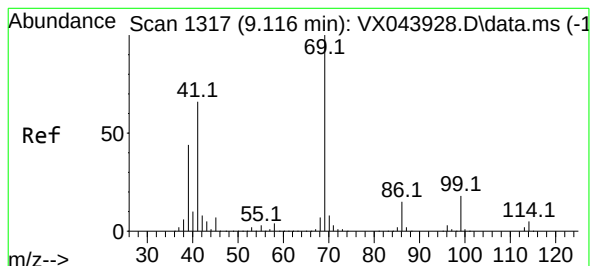
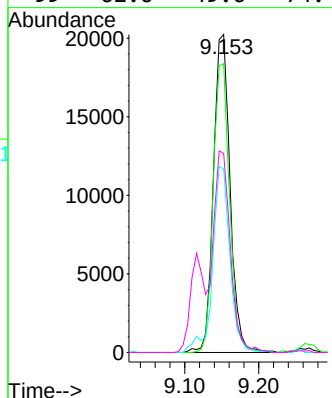
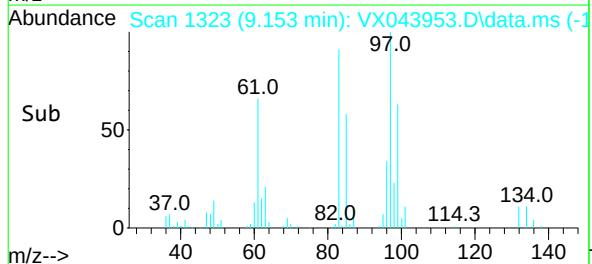
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01



Tgt Ion: 97 Resp: 31640  
Ion Ratio Lower Upper  
97 100  
83 90.8 69.4 104.0  
85 57.7 42.3 63.5  
99 62.6 49.6 74.4

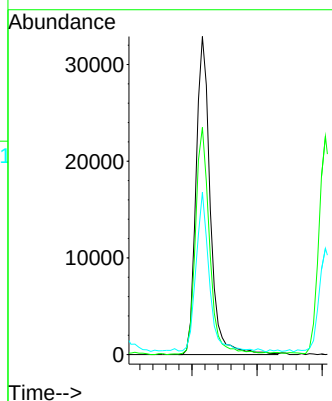
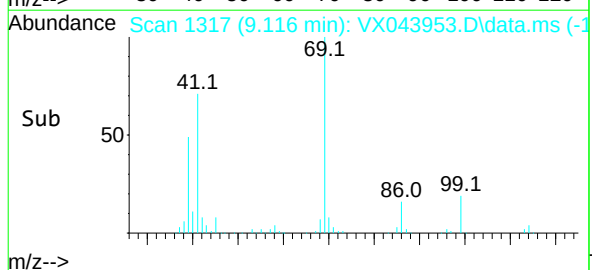
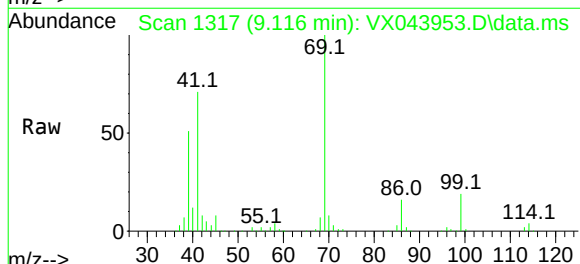
Manual Integrations  
APPROVED

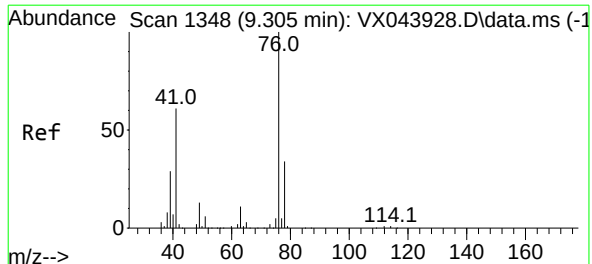
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#56  
Ethyl methacrylate  
Concen: 20.380 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

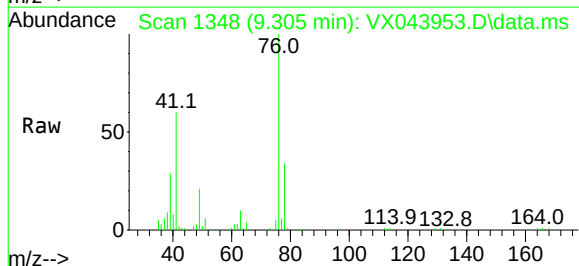
Tgt Ion: 69 Resp: 49905  
Ion Ratio Lower Upper  
69 100  
41 71.1 55.8 83.8  
39 47.7 36.7 55.1





#57  
1,3-Dichloropropane  
Concen: 20.993 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

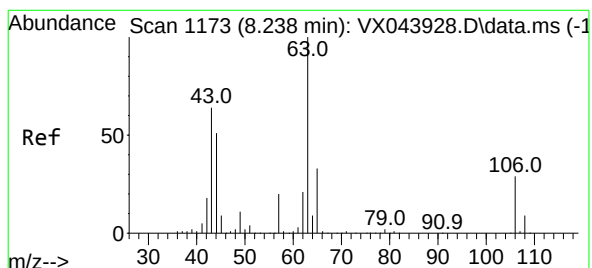
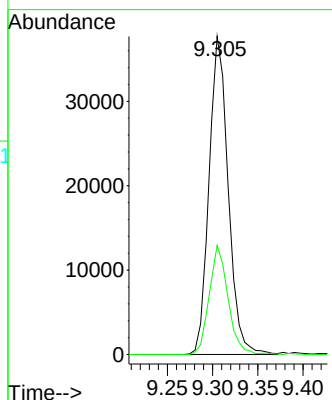
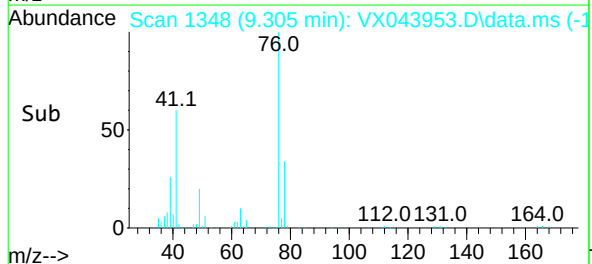
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01



Tgt Ion: 76 Resp: 55597  
Ion Ratio Lower Upper  
76 100  
78 33.7 26.0 39.0

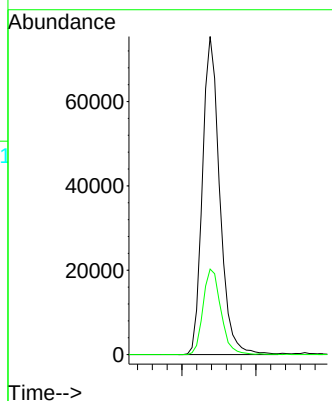
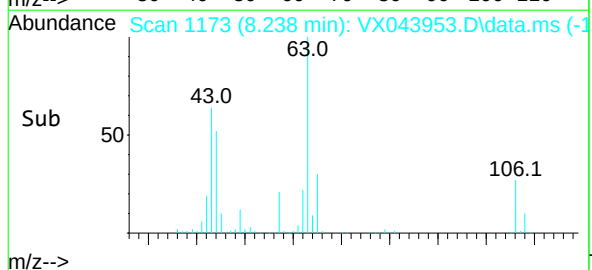
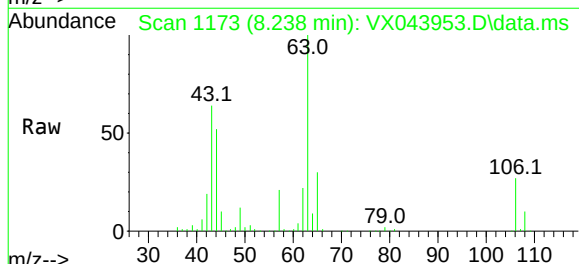
Manual Integrations  
APPROVED

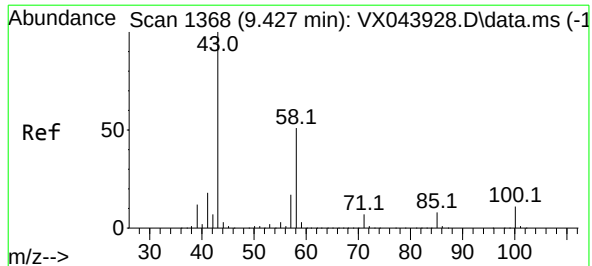
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#58  
2-Chloroethyl Vinyl ether  
Concen: 90.630 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 122520  
Ion Ratio Lower Upper  
63 100  
106 27.6 23.0 34.6





#59

2-Hexanone

Concen: 100.633 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 43 Resp: 186272

Ion Ratio Lower Upper

43 100

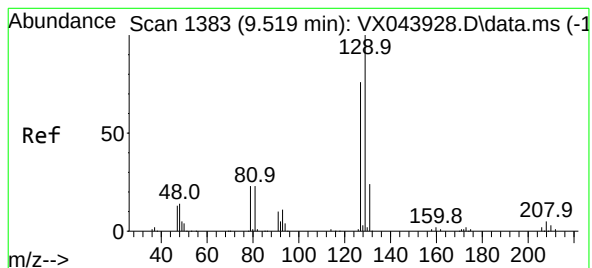
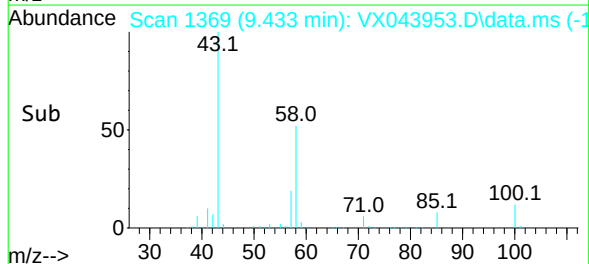
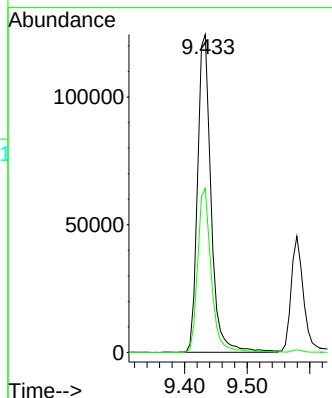
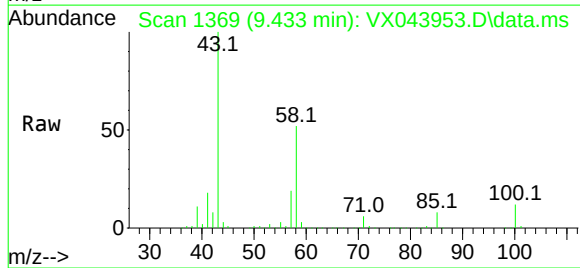
58 52.1 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 18.733 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043953.D

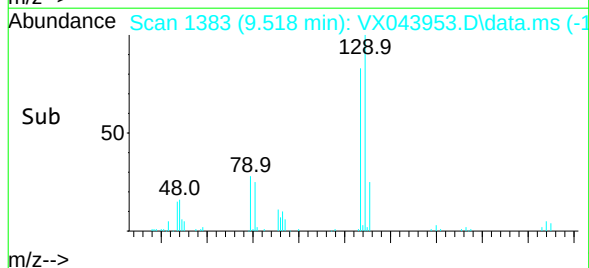
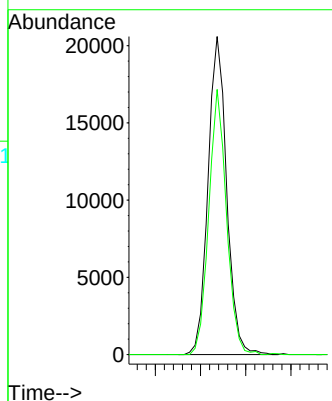
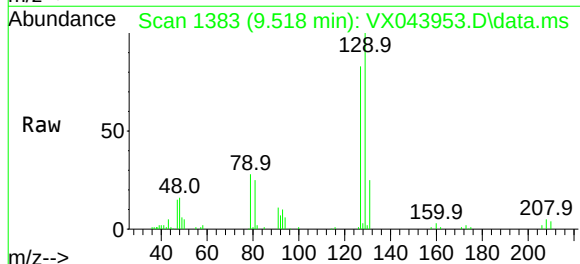
Acq: 22 Nov 2024 12:36

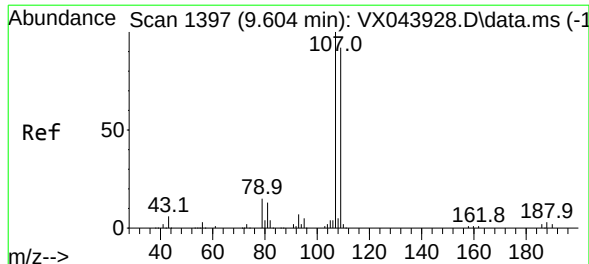
Tgt Ion:129 Resp: 29549

Ion Ratio Lower Upper

129 100

127 78.9 38.2 114.6





#61

1,2-Dibromoethane

Concen: 20.465 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:107 Resp: 32532

Ion Ratio Lower Upper

107 100

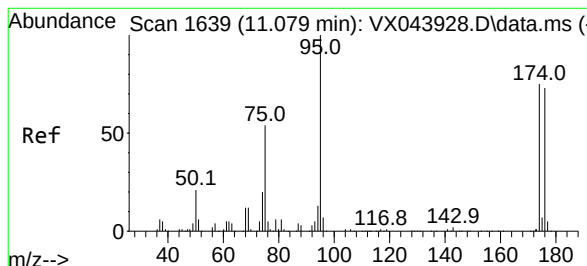
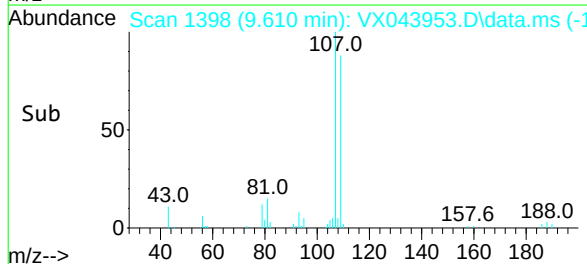
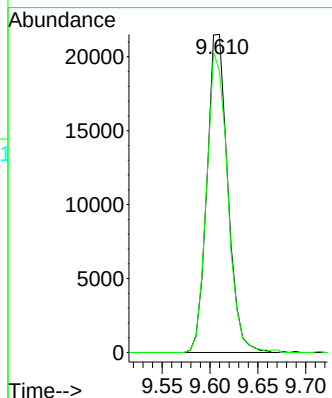
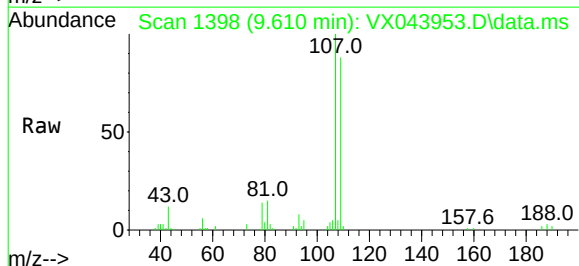
109 95.7 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#62

4-Bromofluorobenzene

Concen: 50.392 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

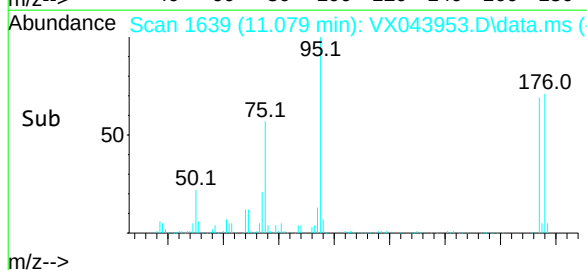
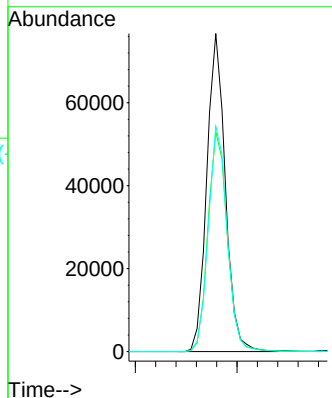
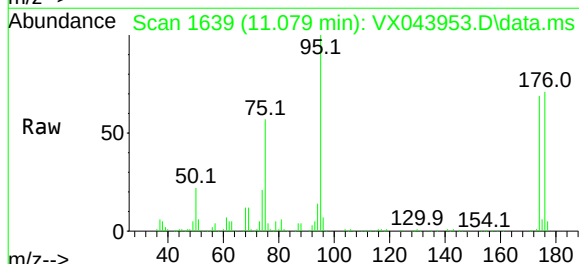
Tgt Ion: 95 Resp: 96910

Ion Ratio Lower Upper

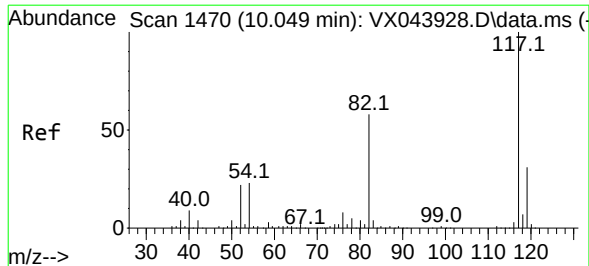
95 100

174 72.1 0.0 150.4

176 72.2 0.0 146.0







#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

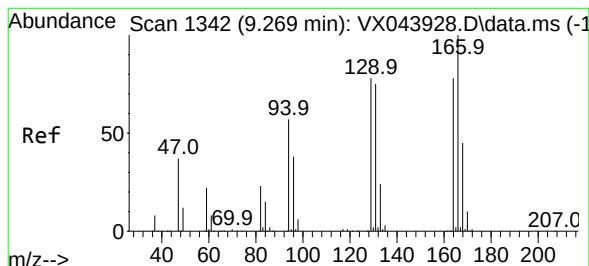
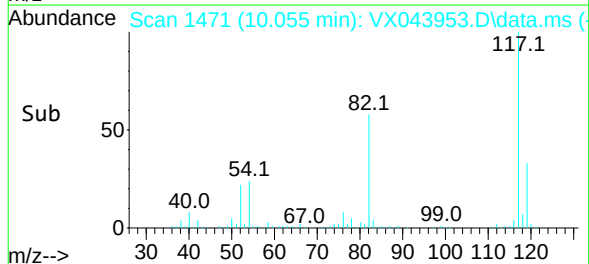
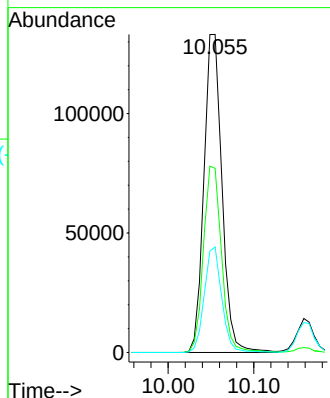
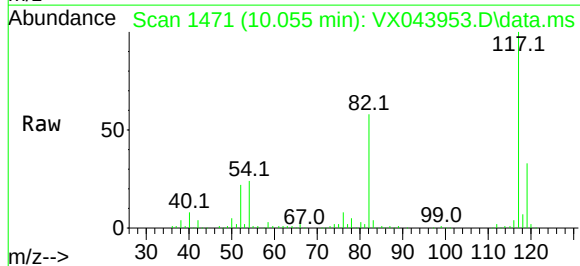
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 195535 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.9  | 46.4  | 69.6   |
| 119      | 33.2  | 24.6  | 37.0   |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 20.270 ug/l

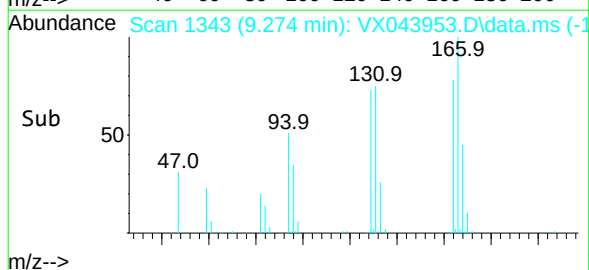
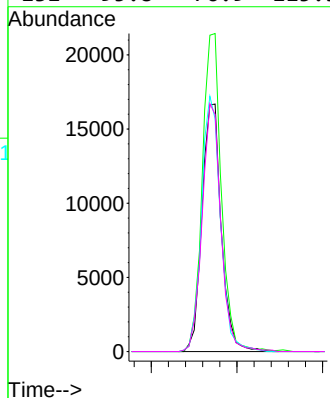
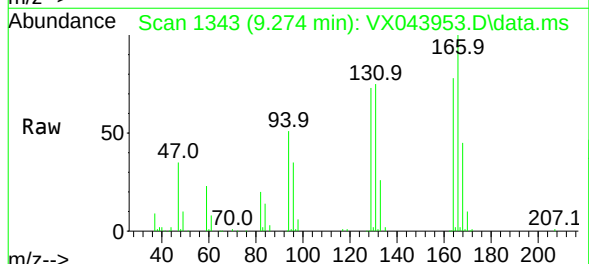
RT: 9.274 min Scan# 1343

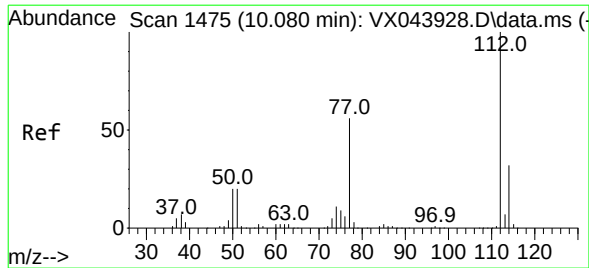
Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 26135 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 128.5 | 102.1 | 153.1 |
| 129      | 94.0  | 79.6  | 119.4 |
| 131      | 95.8  | 76.9  | 115.3 |





#65

Chlorobenzene

Concen: 19.908 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:112 Resp: 85495

Ion Ratio Lower Upper

112 100

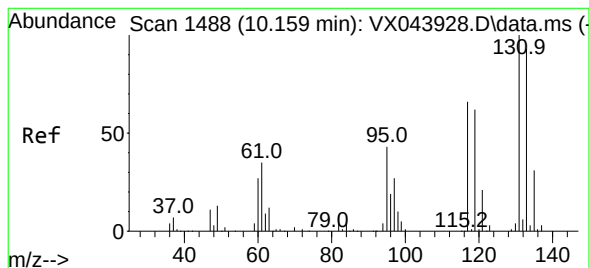
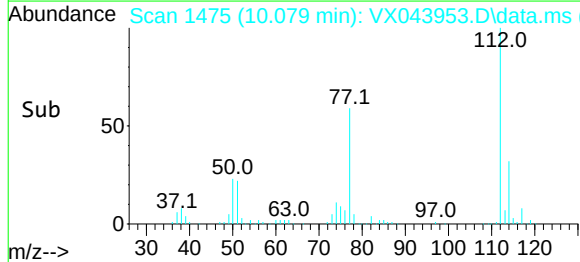
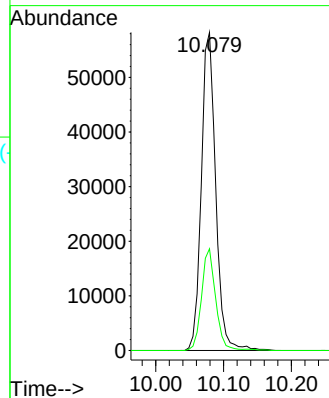
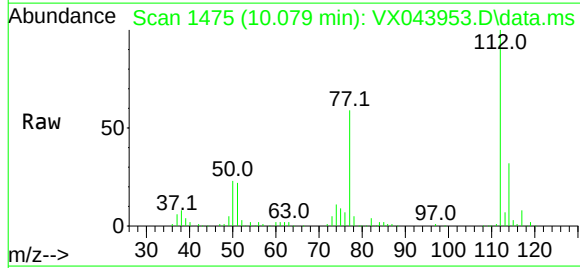
114 32.0 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 20.737 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

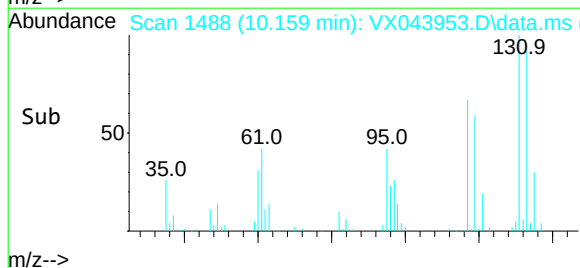
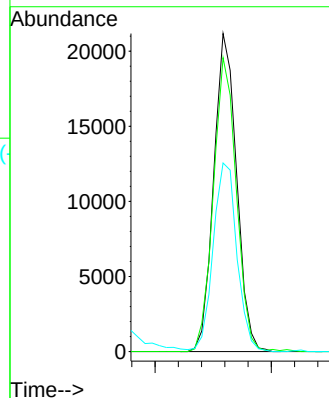
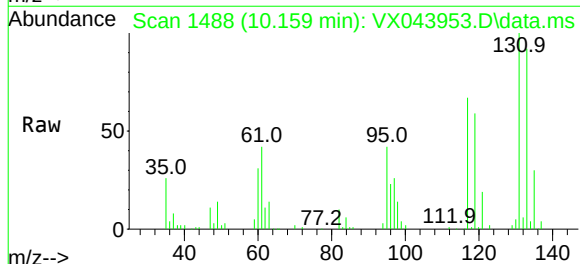
Tgt Ion:131 Resp: 28882

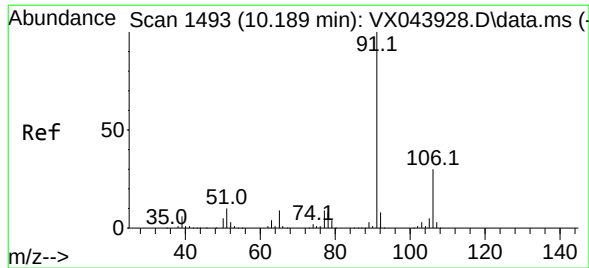
Ion Ratio Lower Upper

131 100

133 93.3 48.2 144.6

119 61.7 31.5 94.5





#67

Ethyl Benzene

Concen: 20.404 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 148481

Ion Ratio Lower Upper

91 100

106 29.1 23.6 35.4

Instrument :

MSVOA\_X

ClientSampleId :

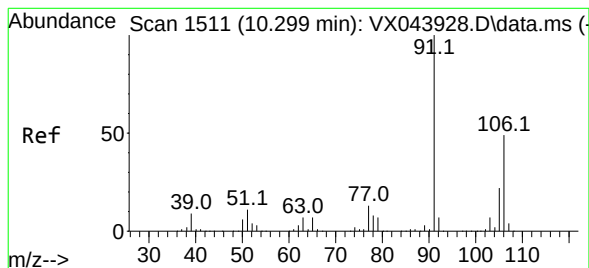
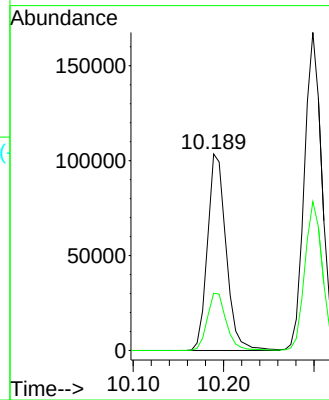
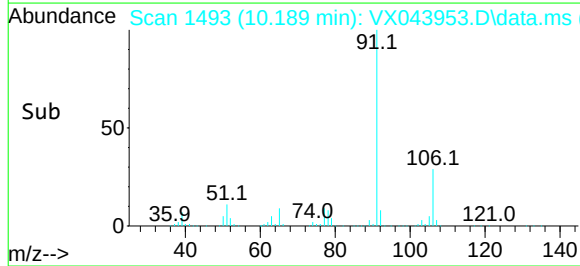
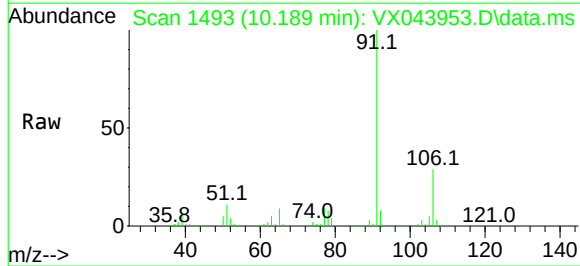
VX1122WBS01

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 40.309 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043953.D

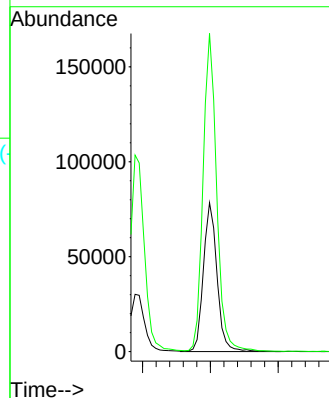
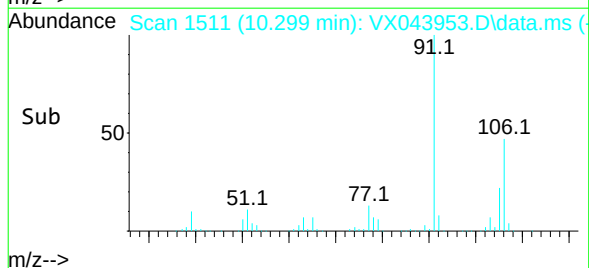
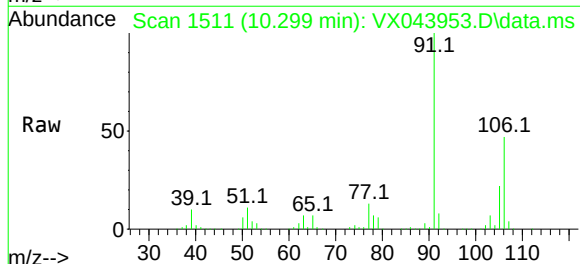
Acq: 22 Nov 2024 12:36

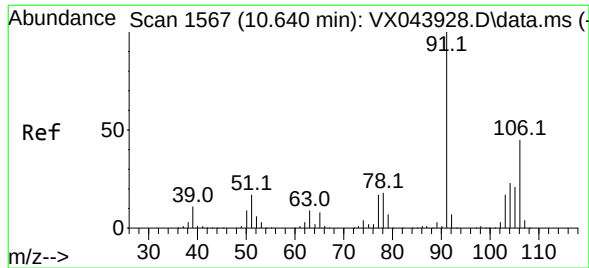
Tgt Ion:106 Resp: 109390

Ion Ratio Lower Upper

106 100

91 212.7 168.1 252.1





#69

o-Xylene

Concen: 20.665 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:106 Resp: 54754

Ion Ratio Lower Upper

106 100

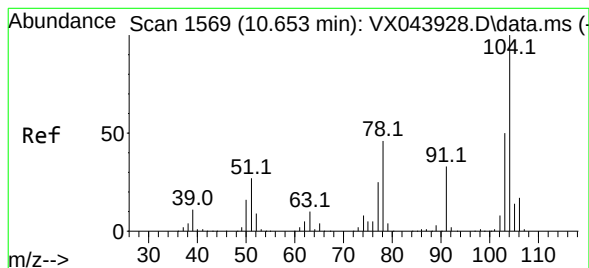
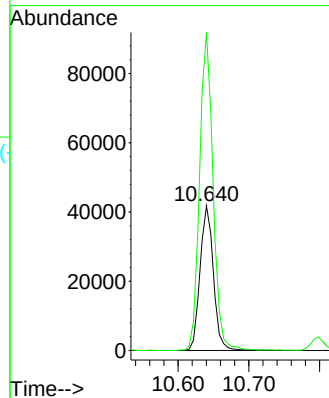
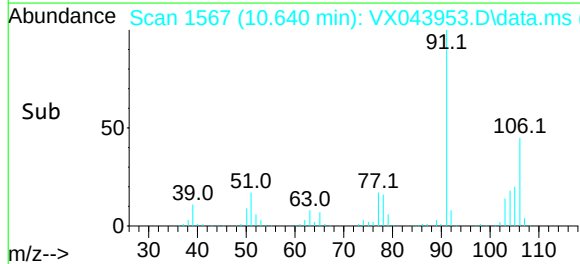
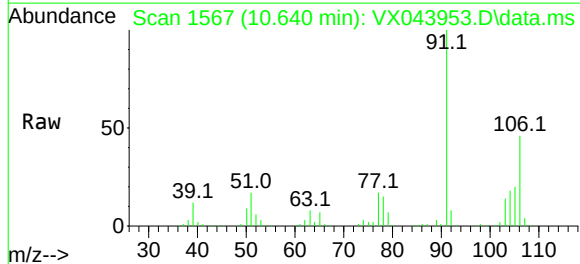
91 221.6 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 20.579 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

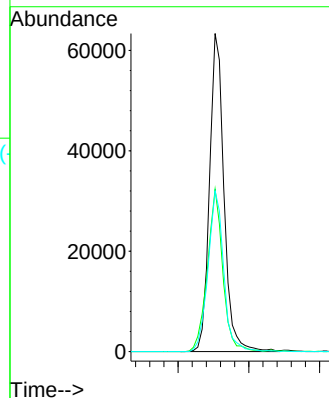
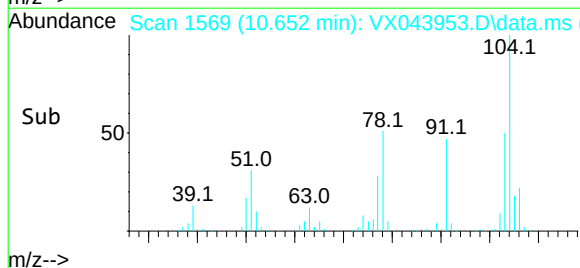
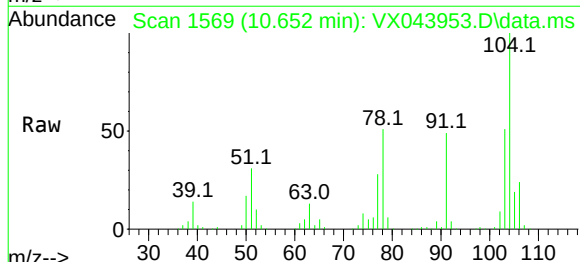
Tgt Ion:104 Resp: 90186

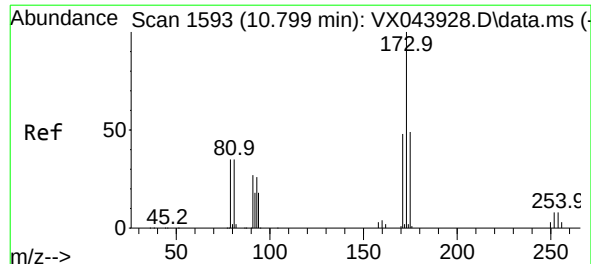
Ion Ratio Lower Upper

104 100

78 54.3 42.2 63.2

103 54.7 44.7 67.1





#71

Bromoform

Concen: 16.936 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:173 Resp: 16436

Ion Ratio Lower Upper

173 100

175 51.9 24.1 72.2

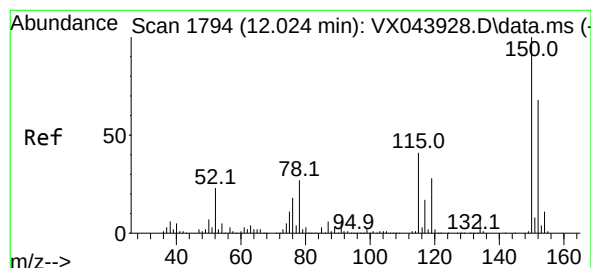
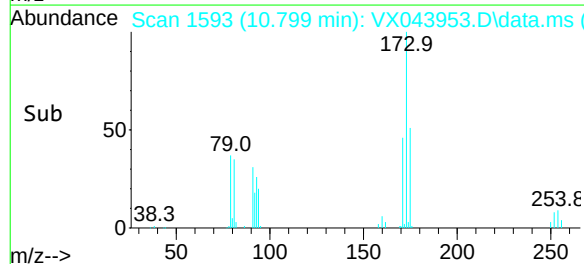
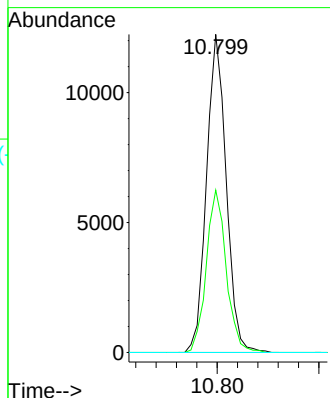
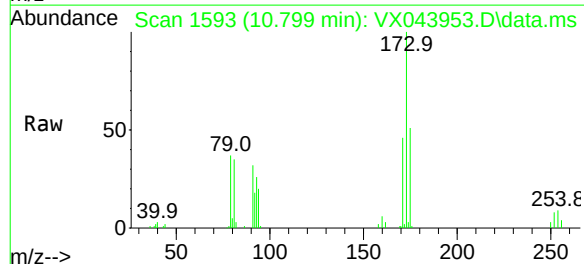
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

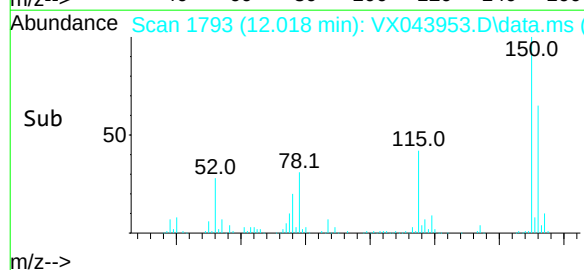
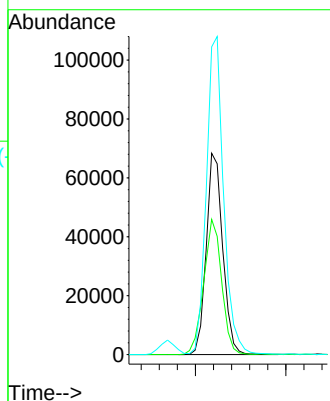
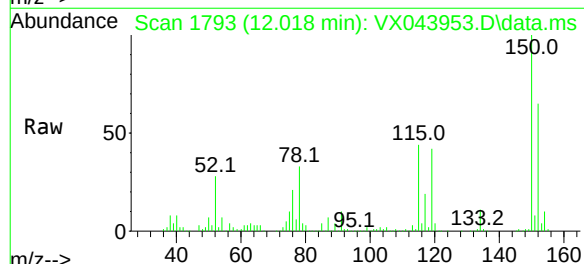
Tgt Ion:152 Resp: 86659

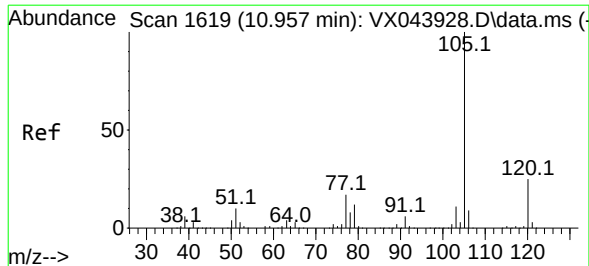
Ion Ratio Lower Upper

152 100

115 73.0 45.4 136.2

150 164.6 0.0 353.0





#73

Isopropylbenzene

Concen: 21.084 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 105 Resp: 140447

Ion Ratio Lower Upper

105 100

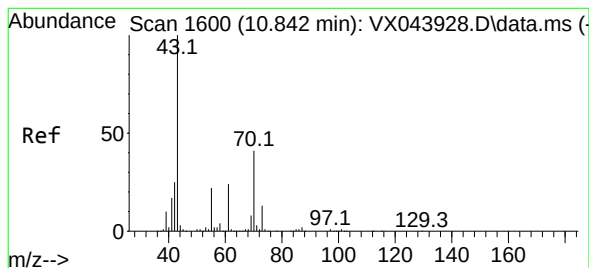
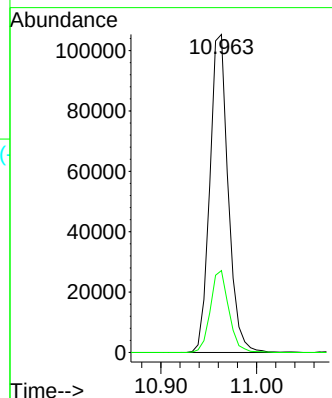
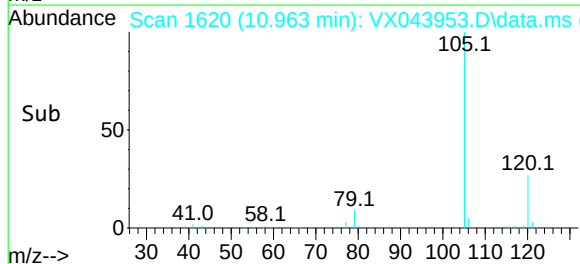
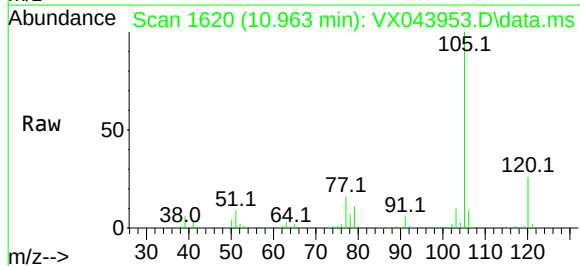
120 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 20.600 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 63571

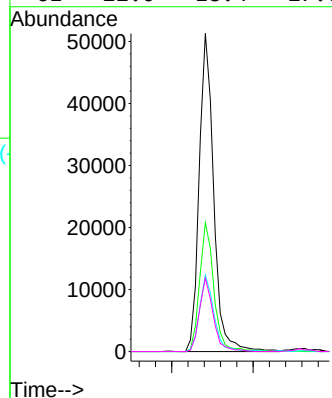
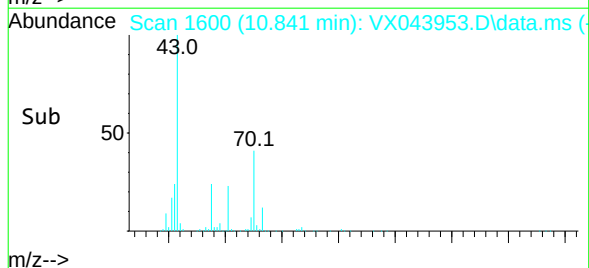
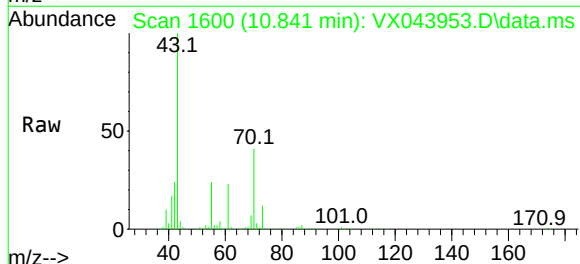
Ion Ratio Lower Upper

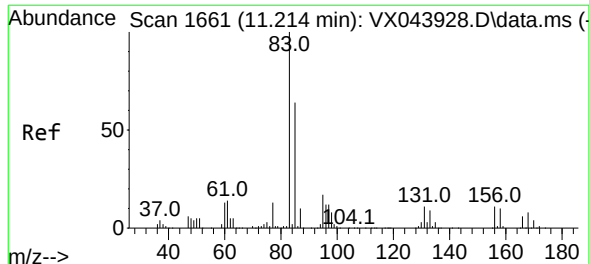
43 100

70 39.9 32.2 48.2

55 23.8 18.1 27.1

61 22.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.561 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

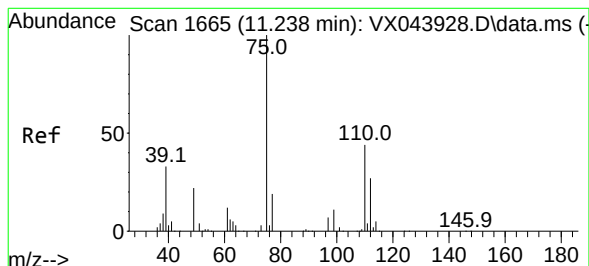
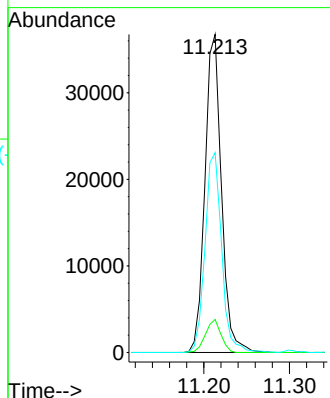
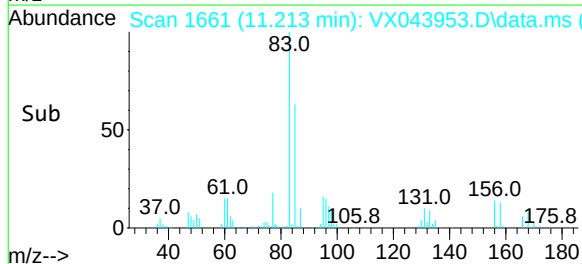
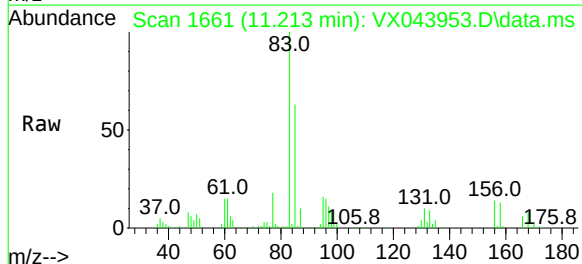
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 49179 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 131      | 9.8   | 5.1   | 15.2  |
| 85       | 63.4  | 32.2  | 96.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 21.032 ug/l m

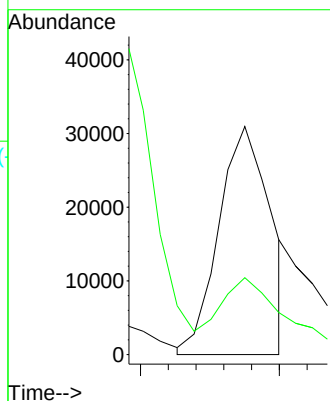
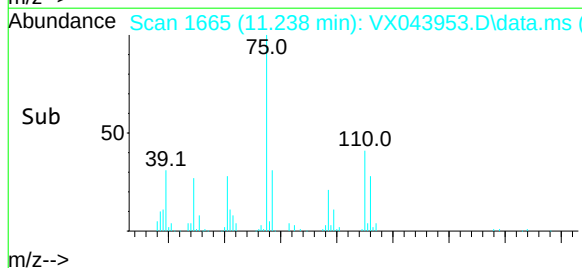
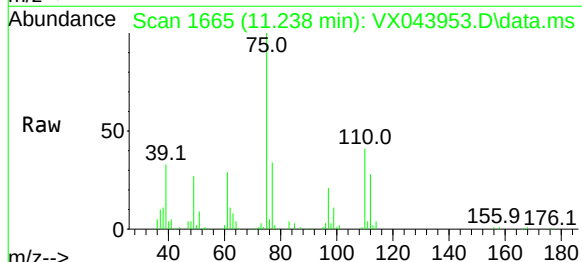
RT: 11.238 min Scan# 1665

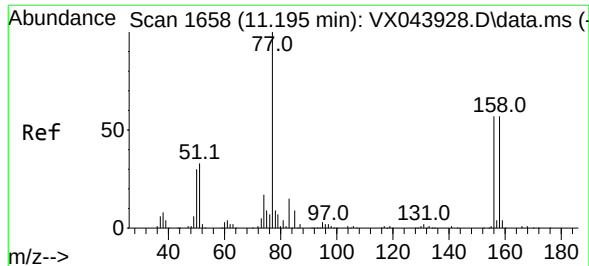
Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 39969 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 44.3  | 21.8  | 65.3  |





#77

Bromobenzene

Concen: 20.723 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:156 Resp: 32930

Ion Ratio Lower Upper

156 100

77 171.5 83.4 250.1

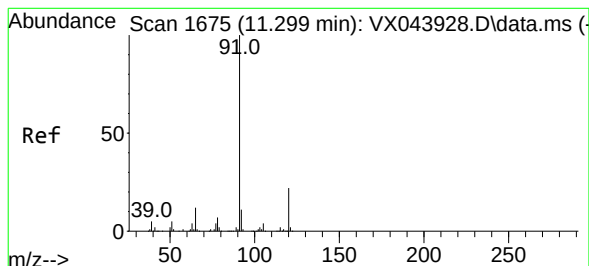
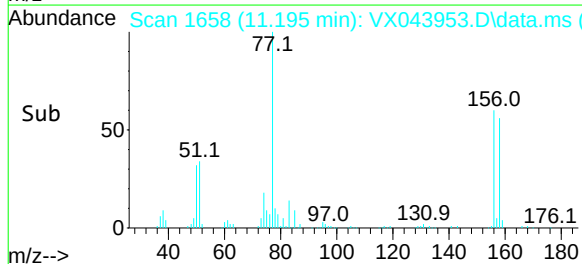
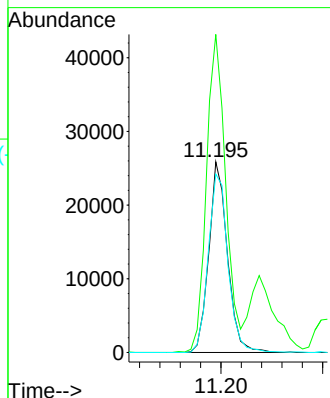
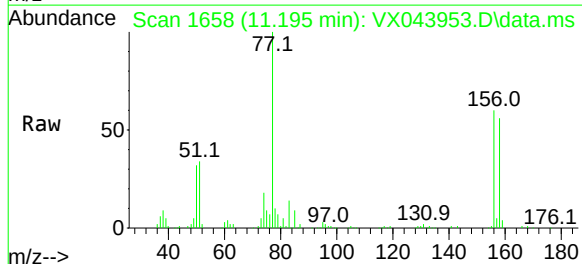
158 99.3 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

Concen: 20.912 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043953.D

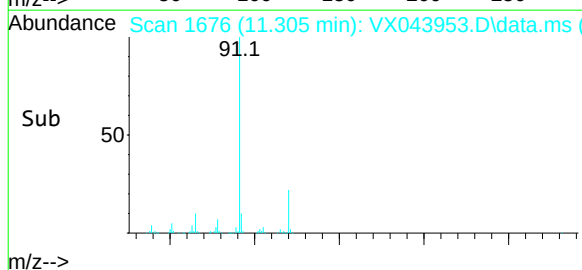
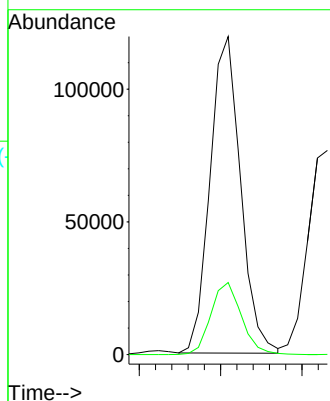
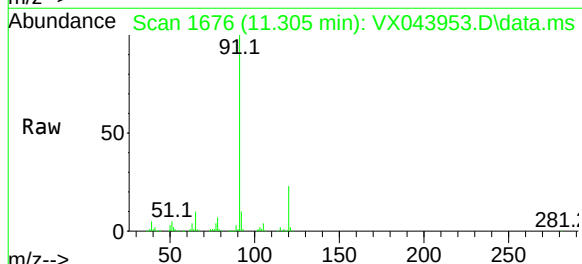
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 155584

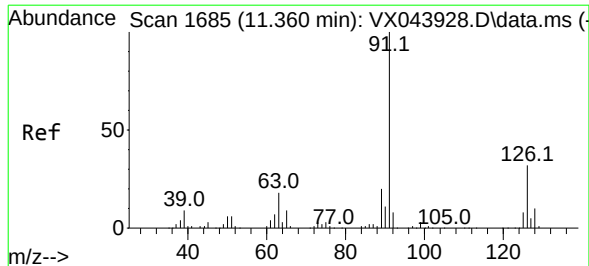
Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4







#79

2-Chlorotoluene

Concen: 21.442 ug/l

RT: 11.366 min Scan# 1685

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 91 Resp: 100875

Ion Ratio Lower Upper

91 100

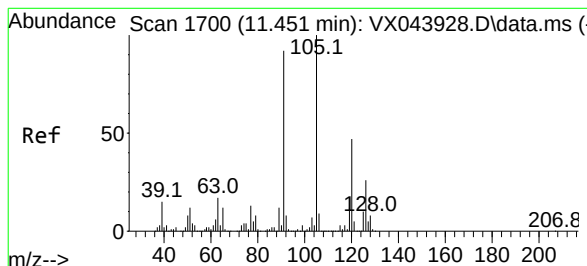
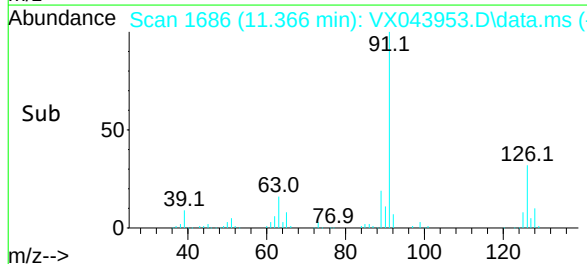
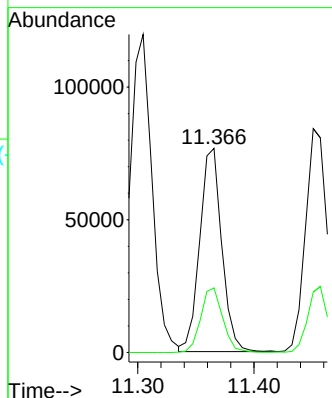
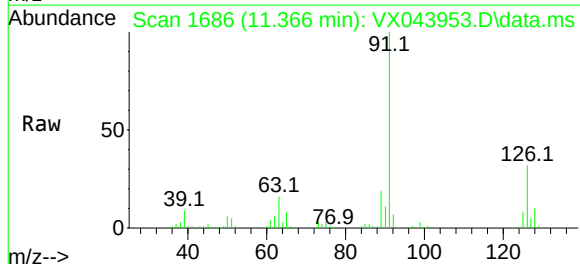
126 31.8 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 21.878 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043953.D

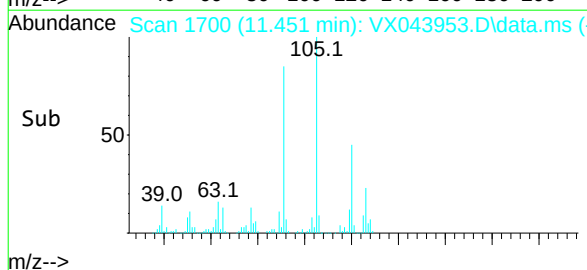
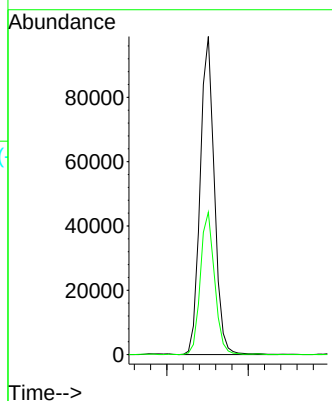
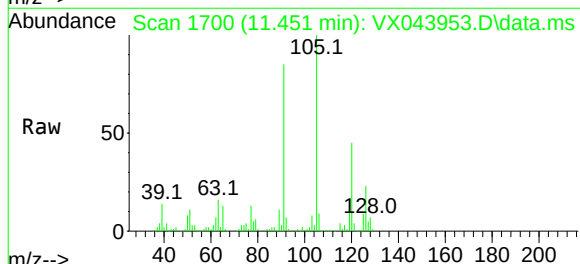
Acq: 22 Nov 2024 12:36

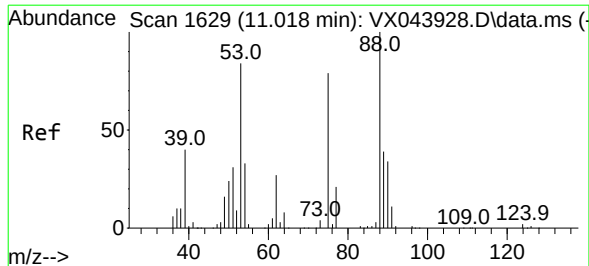
Tgt Ion:105 Resp: 119899

Ion Ratio Lower Upper

105 100

120 44.9 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.695 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 75 Resp: 11627

Ion Ratio Lower Upper

75 100

53 131.0 86.7 130.1#

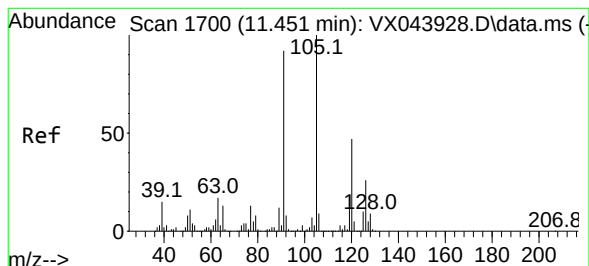
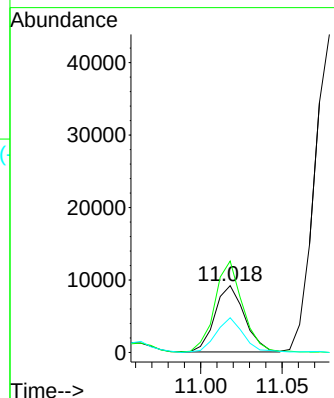
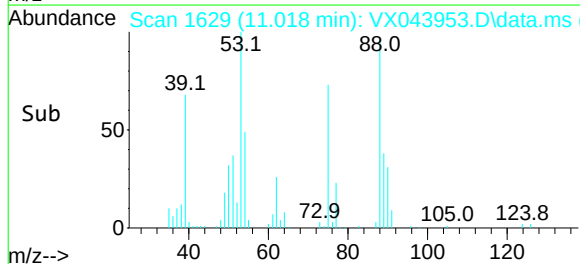
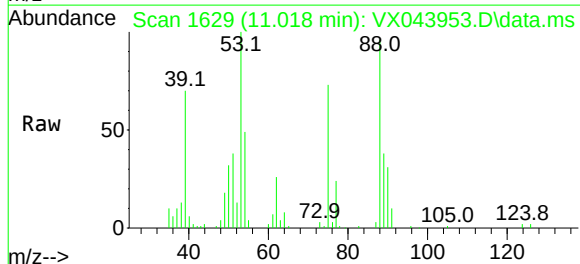
89 48.8 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 21.166 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043953.D

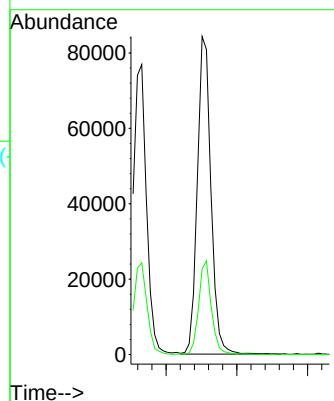
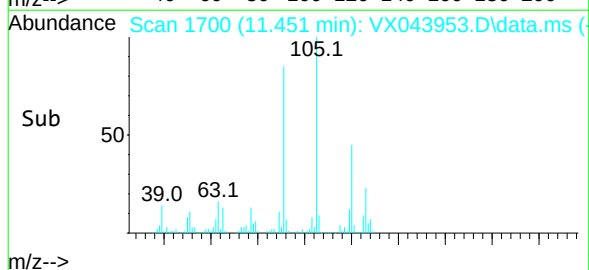
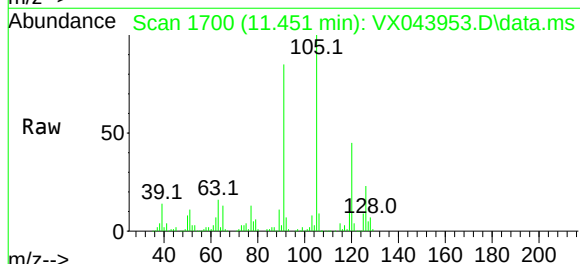
Acq: 22 Nov 2024 12:36

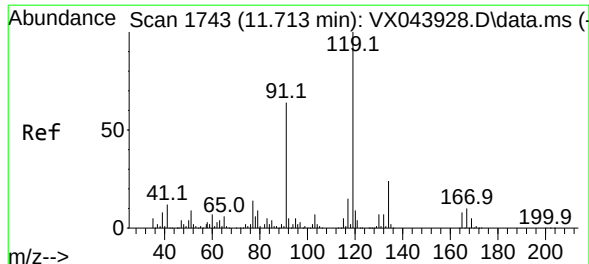
Tgt Ion: 91 Resp: 112420

Ion Ratio Lower Upper

91 100

126 27.9 14.3 42.9





#83

tert-Butylbenzene

Concen: 21.028 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

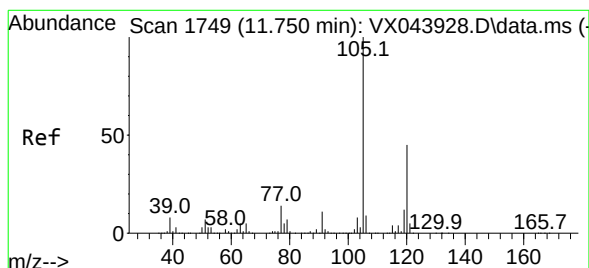
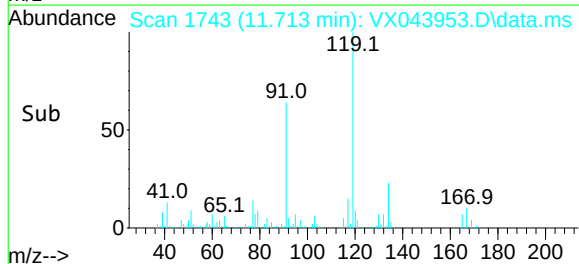
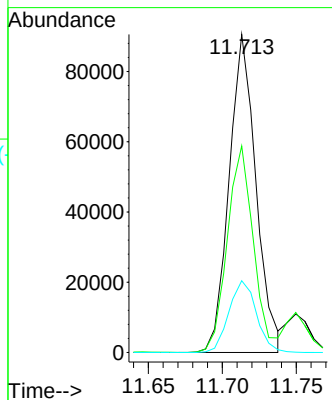
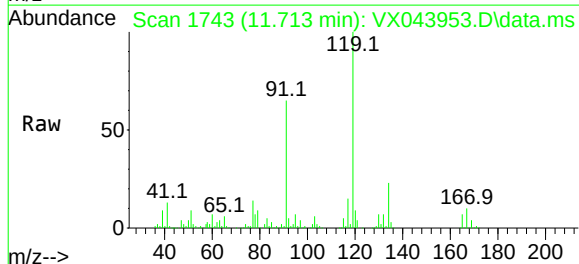
ClientSampleId :

VX1122WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 119   | Resp: | 114224 |
| Ion      | Ratio | Lower | Upper  |
| 119      | 100   |       |        |
| 91       | 63.5  | 31.0  | 93.0   |
| 134      | 23.1  | 11.6  | 34.8   |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 21.424 ug/l

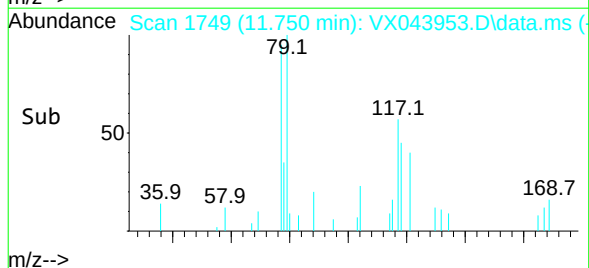
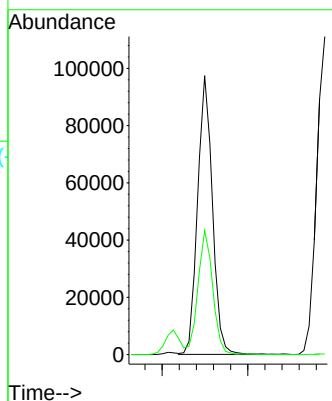
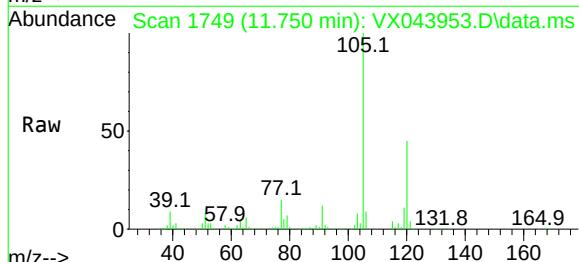
RT: 11.750 min Scan# 1749

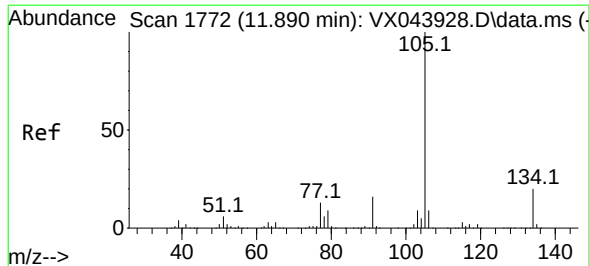
Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 105   | Resp: | 116894 |
| Ion      | Ratio | Lower | Upper  |
| 105      | 100   |       |        |
| 120      | 44.7  | 21.9  | 65.7   |





#85

sec-Butylbenzene

Concen: 20.577 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:105 Resp: 136947

Ion Ratio Lower Upper

105 100

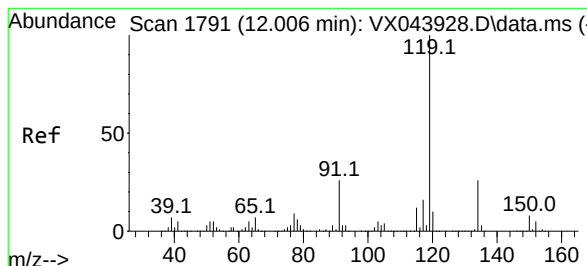
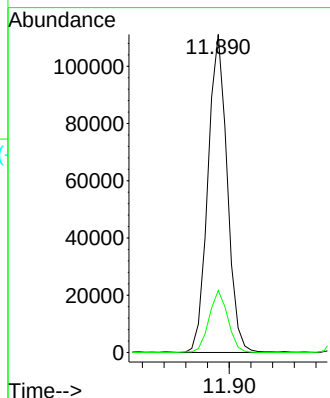
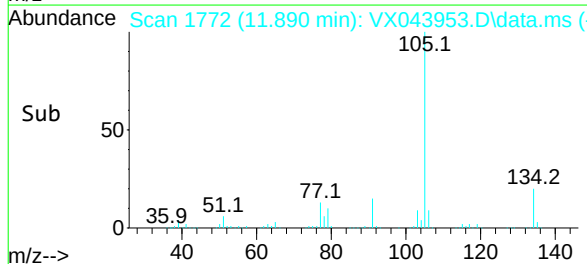
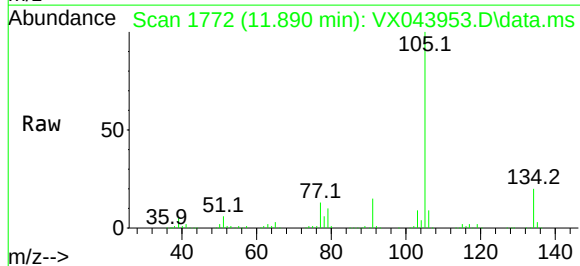
134 19.0 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 21.255 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

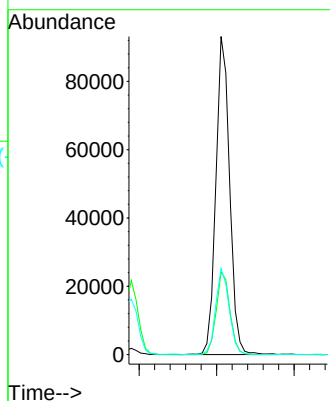
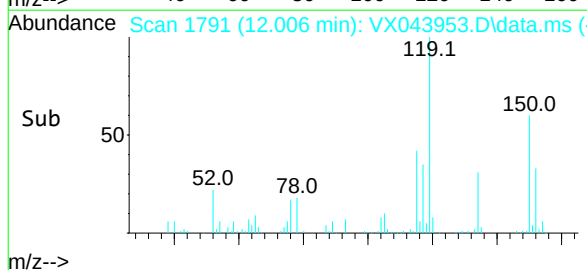
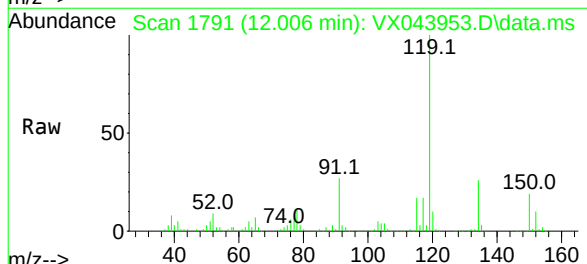
Tgt Ion:119 Resp: 114908

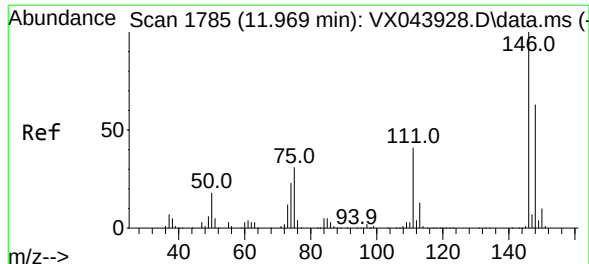
Ion Ratio Lower Upper

119 100

134 25.8 13.0 38.9

91 26.6 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 20.602 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:146 Resp: 59626

Ion Ratio Lower Upper

146 100

111 40.8 21.1 63.3

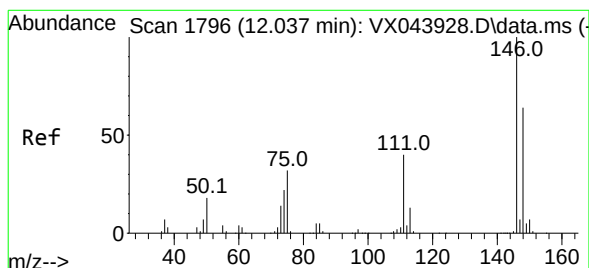
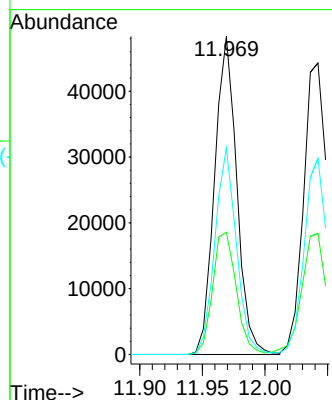
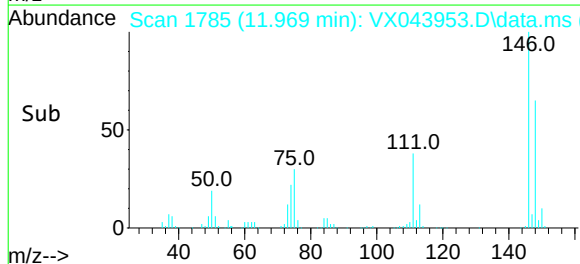
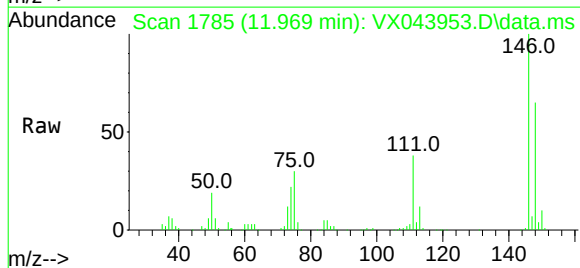
148 63.1 31.7 95.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 19.988 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

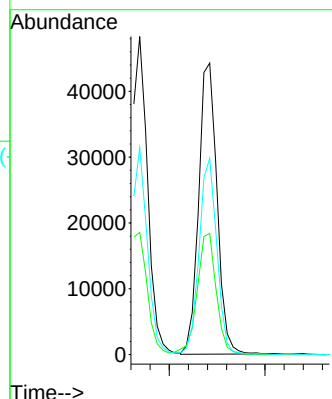
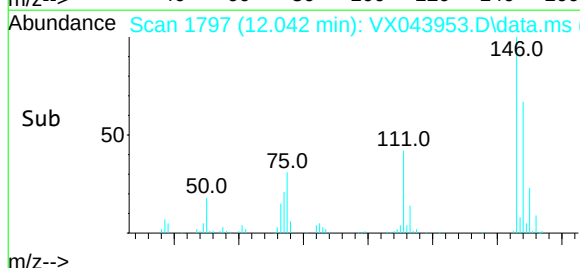
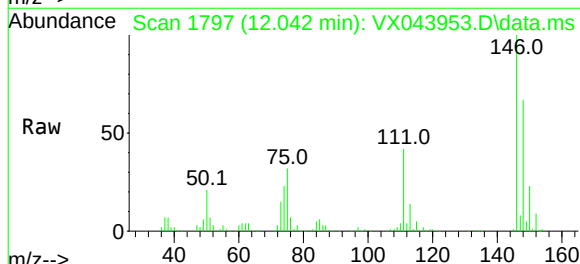
Tgt Ion:146 Resp: 58980

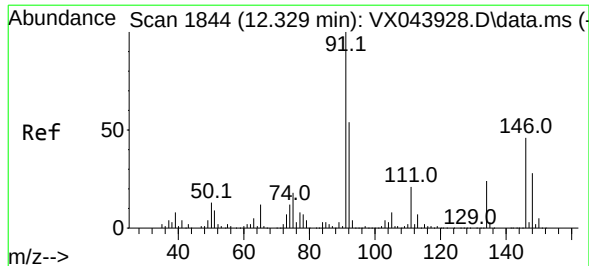
Ion Ratio Lower Upper

146 100

111 43.5 20.1 60.3

148 65.5 30.9 92.8





#89

n-Butylbenzene

Concen: 20.917 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion: 91 Resp: 99700

Ion Ratio Lower Upper

91 100

92 51.3 26.6 79.8

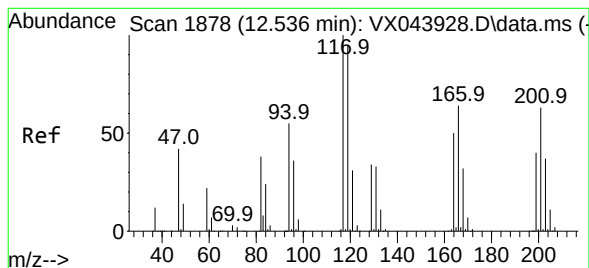
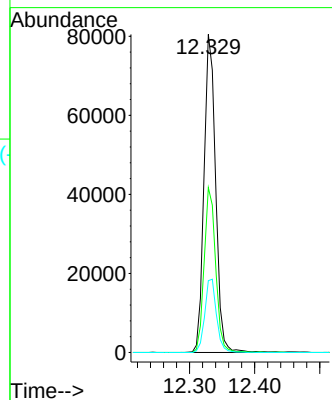
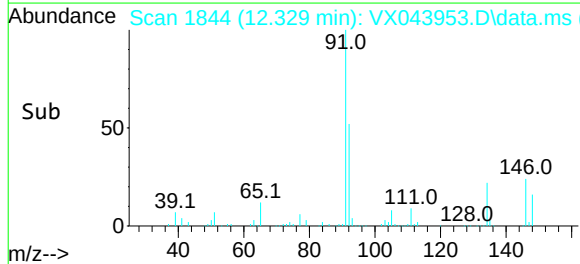
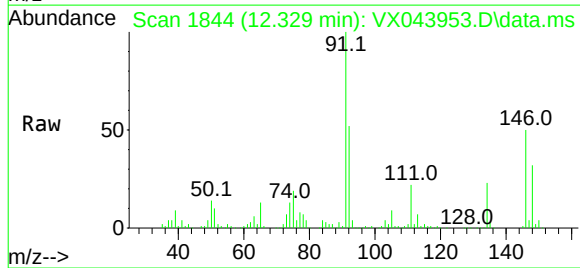
134 23.3 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 18.732 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043953.D

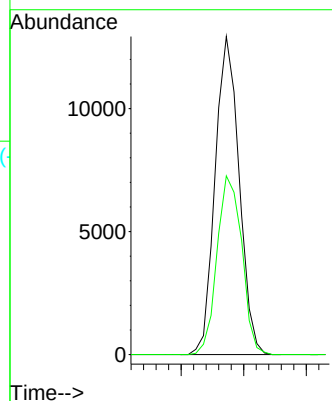
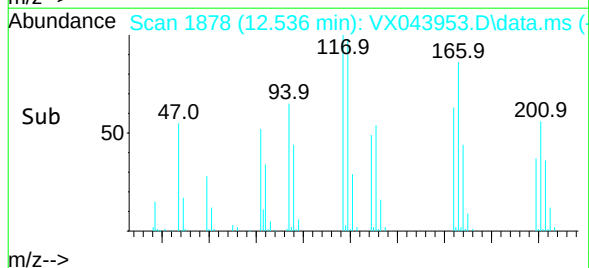
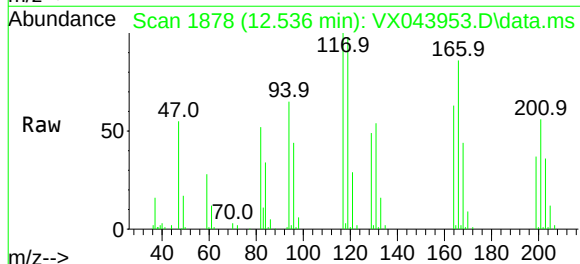
Acq: 22 Nov 2024 12:36

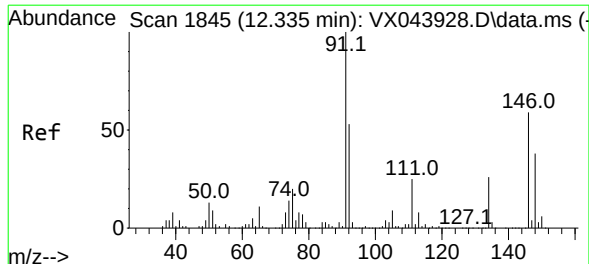
Tgt Ion:117 Resp: 17220

Ion Ratio Lower Upper

117 100

201 57.9 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 20.654 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

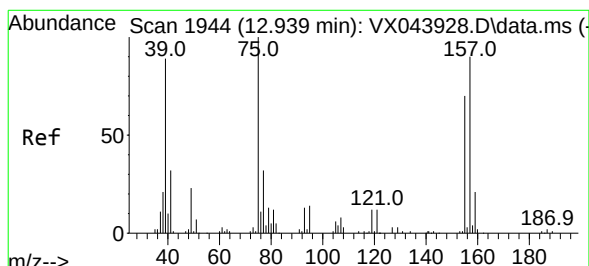
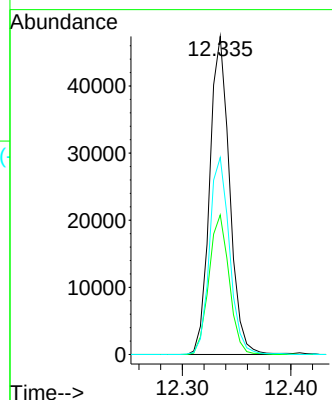
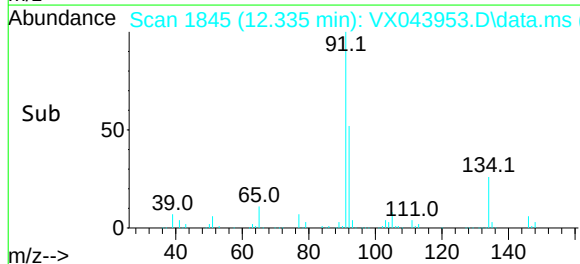
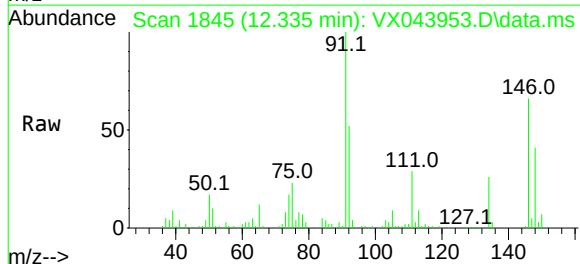
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 60326 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 44.6  | 21.5  | 64.5  |
| 148       | 62.5  | 31.9  | 95.5  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.368 ug/l

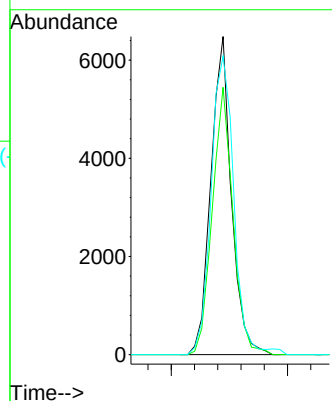
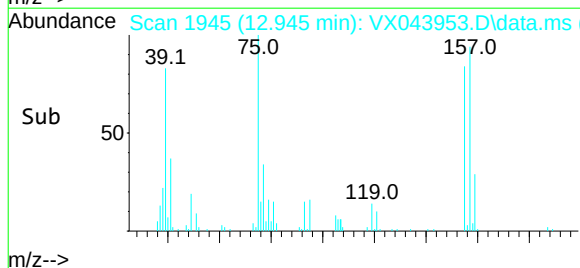
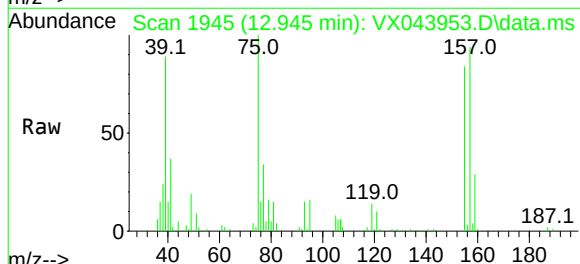
RT: 12.945 min Scan# 1945

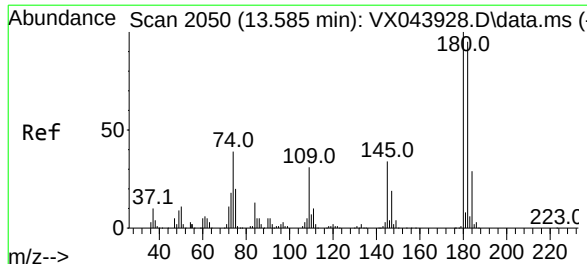
Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 7938  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 84.4  | 40.1  | 120.2 |
| 157       | 103.8 | 49.6  | 149.0 |





#93

1,2,4-Trichlorobenzene

Concen: 19.521 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

Tgt Ion:180 Resp: 33614

Ion Ratio Lower Upper

180 100

182 94.0 48.0 144.2

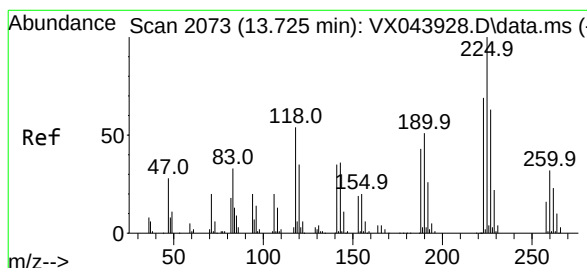
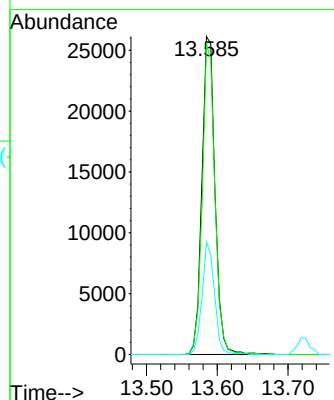
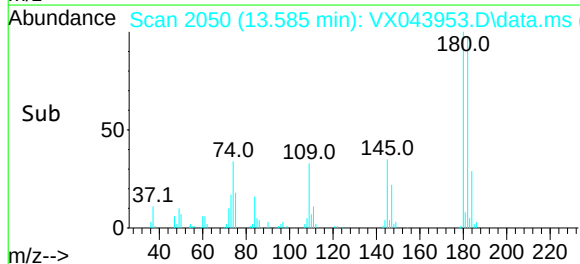
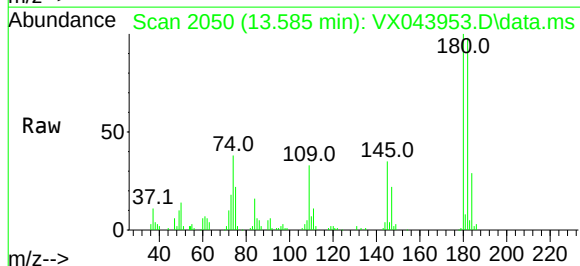
145 33.6 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 19.782 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

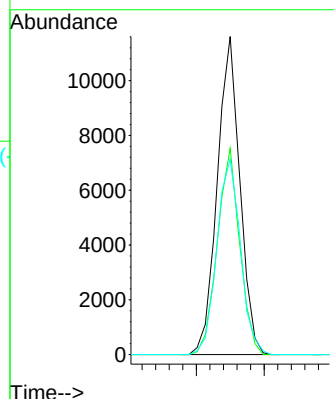
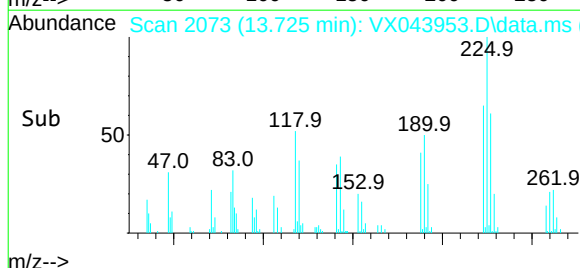
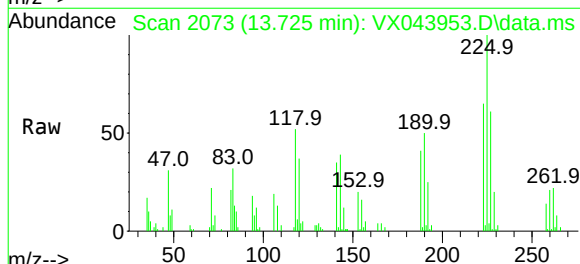
Tgt Ion:225 Resp: 13463

Ion Ratio Lower Upper

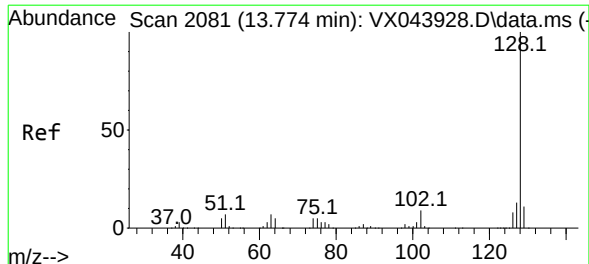
225 100

223 63.8 32.9 98.6

227 64.2 31.6 94.8







#95

Naphthalene

Concen: 20.050 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

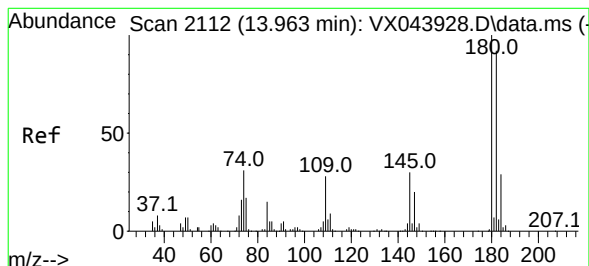
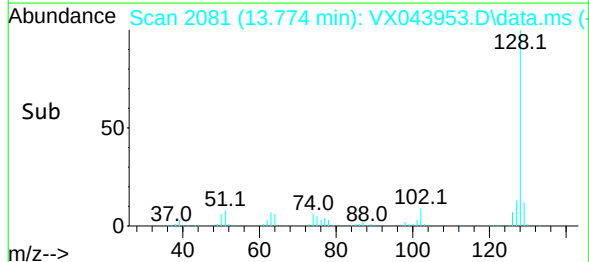
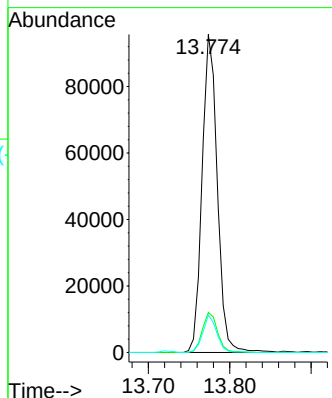
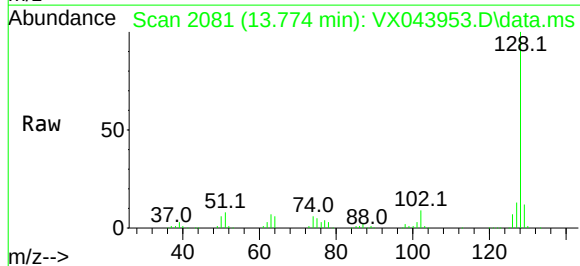
ClientSampleId :

VX1122WBS01

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 128   | Resp: | 124279 |
| Ion      | Ratio | Lower | Upper  |
| 128      | 100   |       |        |
| 127      | 12.6  | 10.2  | 15.2   |
| 129      | 10.8  | 8.6   | 12.8   |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 20.203 ug/l

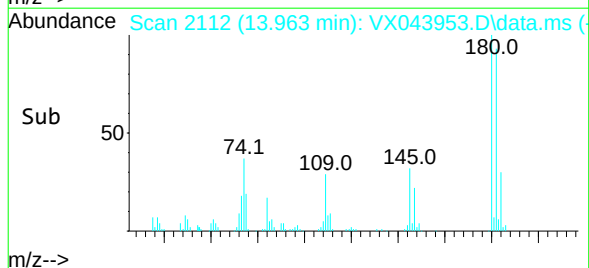
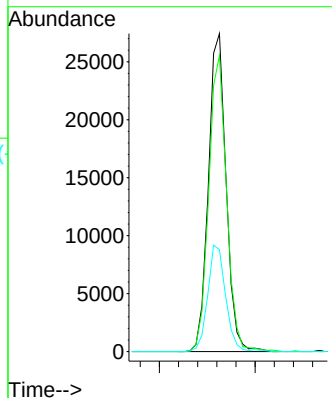
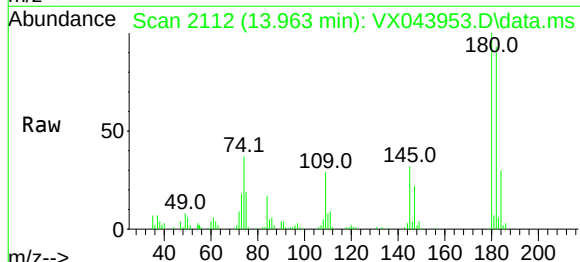
RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 180   | Resp: | 35212 |
| Ion      | Ratio | Lower | Upper |
| 180      | 100   |       |       |
| 182      | 94.1  | 45.6  | 136.8 |
| 145      | 34.1  | 16.4  | 49.4  |



## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | EA Engineering Science & Technology        | Date Collected: |                              |
| Project:           | Scotia, NY - Annual Testing                | Date Received:  |                              |
| Client Sample ID:  | VX1125WBS01                                | SDG No.:        | P4873                        |
| Lab Sample ID:     | VX1125WBS01                                | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043980.D        | 1         |           | 11/25/24 12:41 | VX112524      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 17.0  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 18.3  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 17.5  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 20.6  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 19.4  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 19.0  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 17.5  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 17.2  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 87.8  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 15.0  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.0  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 18.3  |           | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 17.8  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 17.9  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 19.3  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 17.9  |           | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 91.3  |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 17.8  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 18.7  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 21.3  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 19.5  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.3  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 17.0  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 18.8  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 19.1  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 16.1  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 19.8  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 18.8  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 92.4  |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 19.1  |           | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1125WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1125WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043980.D        | 1         |           | 11/25/24 12:41 | VX112524      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 18.2   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 18.6   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 18.7   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 90.6   |           | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 17.9   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 18.5   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 18.1   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 18.6   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 18.6   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 37.3   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 18.7   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 18.6   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 16.0   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 19.0   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 19.1   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 18.6   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 18.5   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 18.9   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 16.5   |           | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 17.2   |           | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 17.9   |           | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.6   |           | 81 - 118 |      | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 49.4   |           | 80 - 119 |      | 99%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 48.8   |           | 89 - 112 |      | 98%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 47.3   |           | 85 - 114 |      | 95%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 129000 | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 233000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 201000 | 10.049    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 89400  | 12.024    |          |      |            |         |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1125WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1125WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043980.D        | 1         |           | 11/25/24 12:41 | VX112524      |

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043980.D  
 Acq On : 25 Nov 2024 12:41  
 Operator : JC/MD  
 Sample : VX1125WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 129078   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 232630   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 200729   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 89446    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 111972   | 50.577   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 101.160% |
| 35) Dibromofluoromethane  | 5.379  | 113   | 82126    | 49.406   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 98.820%  |
| 50) Toluene-d8            | 8.647  | 98    | 279748   | 48.822   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 97.640%  |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 92231    | 47.296   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 94.600%  |

## Target Compounds

|                              |       |     |        |        |        | Qvalue |
|------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 27858  | 17.036 | ug/l   | 96     |
| 3) Chloromethane             | 1.294 | 50  | 31484  | 18.297 | ug/l   | 98     |
| 4) Vinyl Chloride            | 1.374 | 62  | 32067  | 17.520 | ug/l   | 97     |
| 5) Bromomethane              | 1.593 | 94  | 23162  | 20.571 | ug/l   | 96     |
| 6) Chloroethane              | 1.666 | 64  | 21661  | 19.423 | ug/l   | 99     |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 62260  | 19.027 | ug/l   | 99     |
| 8) Diethyl Ether             | 2.136 | 74  | 21810  | 18.287 | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 27391  | 17.549 | ug/l   | 99     |
| 10) Methyl Iodide            | 2.447 | 142 | 35527  | 18.224 | ug/l   | 98     |
| 11) Tert butyl alcohol       | 2.995 | 59  | 30305  | 85.282 | ug/l   | 98     |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 25636  | 17.236 | ug/l   | 92     |
| 13) Acrolein                 | 2.233 | 56  | 29794  | 79.545 | ug/l   | 99     |
| 14) Allyl chloride           | 2.654 | 41  | 43363  | 17.842 | ug/l   | 97     |
| 15) Acrylonitrile            | 3.062 | 53  | 78411  | 90.547 | ug/l   | 99     |
| 16) Acetone                  | 2.380 | 43  | 89315  | 87.837 | ug/l   | 99     |
| 17) Carbon Disulfide         | 2.502 | 76  | 46168  | 15.048 | ug/l   | 96     |
| 18) Methyl Acetate           | 2.703 | 43  | 43353  | 18.308 | ug/l   | 99     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 102397 | 18.961 | ug/l   | 99     |
| 20) Methylene Chloride       | 2.782 | 84  | 30699  | 17.791 | ug/l   | 97     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 27476  | 17.893 | ug/l   | 95     |
| 22) Diisopropyl ether        | 3.757 | 45  | 101204 | 19.474 | ug/l # | 87     |
| 23) Vinyl Acetate            | 3.721 | 43  | 413005 | 92.903 | ug/l   | 99     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 57833  | 19.291 | ug/l   | 99     |
| 25) 2-Butanone               | 4.562 | 43  | 119828 | 91.330 | ug/l   | 97     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 50034  | 18.480 | ug/l   | 99     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 35442  | 18.672 | ug/l   | 99     |
| 28) Bromochloromethane       | 4.891 | 49  | 28155  | 21.335 | ug/l   | 97     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 71632  | 89.055 | ug/l   | 99     |
| 30) Chloroform               | 5.086 | 83  | 62792  | 19.474 | ug/l   | 95     |
| 31) Cyclohexane              | 5.458 | 56  | 44185  | 17.907 | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 53725  | 19.321 | ug/l   | 99     |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 39005  | 18.830 | ug/l   | 97     |
| 37) Ethyl Acetate            | 4.715 | 43  | 43604  | 16.958 | ug/l   | 99     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 41358  | 17.769 | ug/l   | 93     |
| 39) Methylcyclohexane        | 7.373 | 83  | 45874  | 17.047 | ug/l   | 96     |
| 40) Benzene                  | 6.031 | 78  | 121280 | 18.797 | ug/l   | 98     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043980.D  
 Acq On : 25 Nov 2024 12:41  
 Operator : JC/MD  
 Sample : VX1125WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBS01

Manual Integrations  
 APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 24395    | 18.537  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 49414    | 19.069  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 74800    | 18.280  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 29451    | 16.124  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 31342    | 19.833  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 23880    | 19.103  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 42158    | 18.804  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 34847    | 17.747  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.671  | 88   | 11205    | 320.363 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 230680   | 92.377  | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 73761    | 19.100  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 41513    | 18.157  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 46516    | 18.559  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 29828    | 18.711  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 45352    | 18.265  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 52347    | 19.493  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 104808   | 76.406  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 170135   | 90.646  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 28665    | 17.922  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 29826    | 18.503  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 23911    | 18.065  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 81986    | 18.597  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 27274    | 19.076  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 139010   | 18.608  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 103991   | 37.328  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 50858    | 18.698  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 83849    | 18.638  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 15846    | 15.994  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 130876   | 19.035  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 56876    | 17.857  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 45016    | 19.121  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 37299m   | 19.015  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 31131    | 18.980  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 145673   | 18.970  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 92824    | 19.116  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 112233   | 19.841  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11075    | 15.407  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 104709   | 19.100  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 107369   | 19.150  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 111539   | 19.806  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 125802   | 18.313  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 108552   | 19.454  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 55631    | 18.623  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 56264    | 18.474  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 91448    | 18.588  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 15872    | 16.728  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 56883    | 18.869  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7772     | 16.475  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 30614    | 17.225  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 13180    | 18.763  | ug/l   | 93       |
| 95) Naphthalene               | 13.774 | 128  | 113362   | 17.718  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 32142    | 17.867  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043980.D  
Acq On : 25 Nov 2024 12:41  
Operator : JC/MD  
Sample : VX1125WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Manual Integrations  
**APPROVED**

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

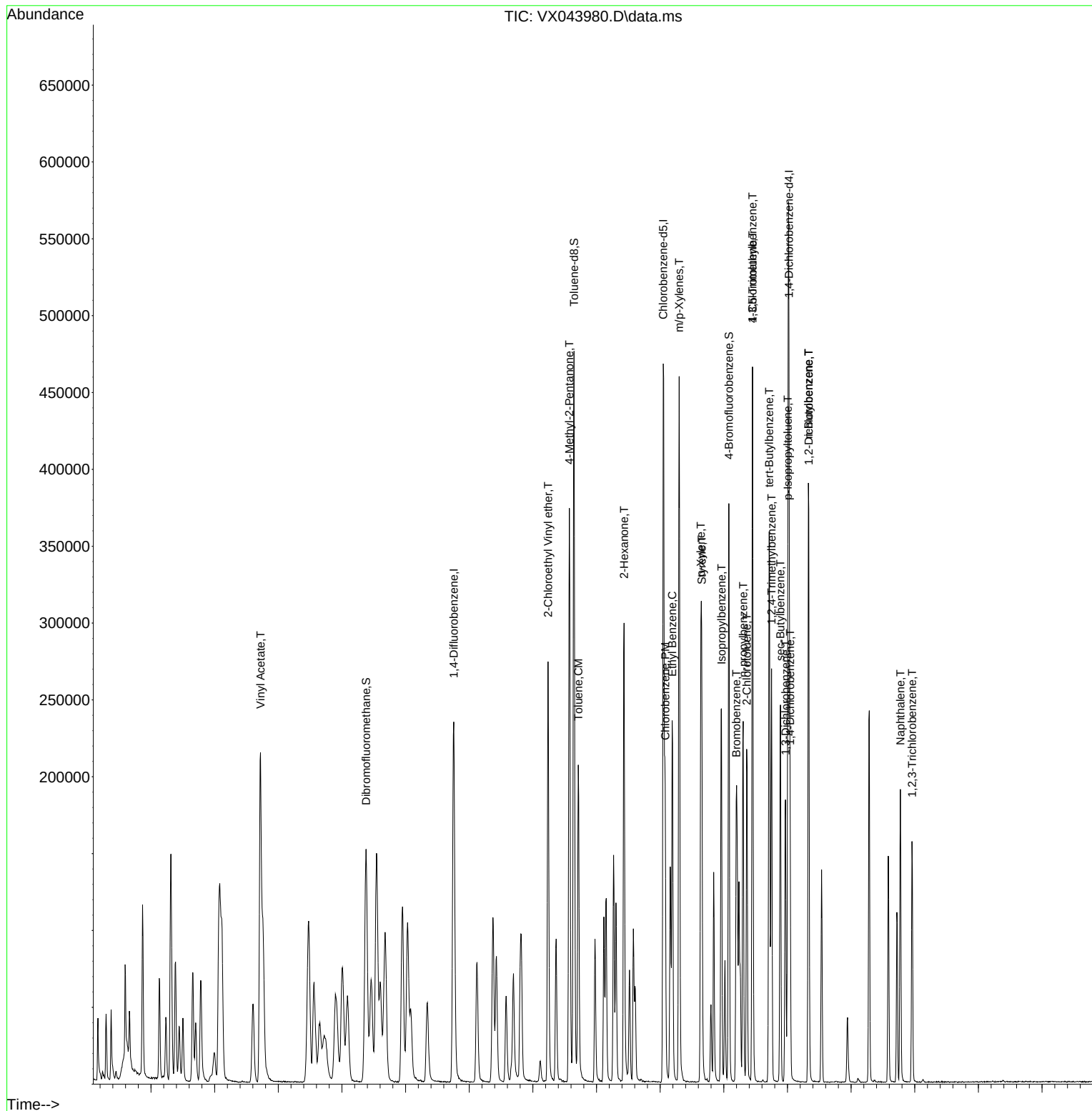
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043980.D  
Acq On : 25 Nov 2024 12:41  
Operator : JC/MD  
Sample : VX1125WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX1125WBS01

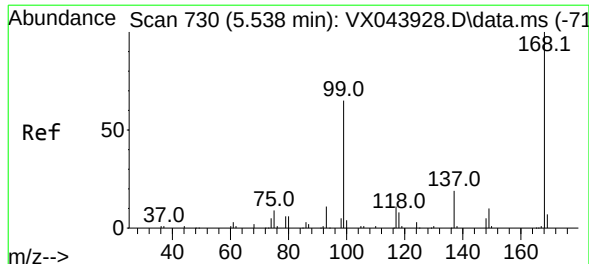
## Manual Integrations

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

Quant Time: Nov 26 00:45:12 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration







#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:168 Resp: 129078

Ion Ratio Lower Upper

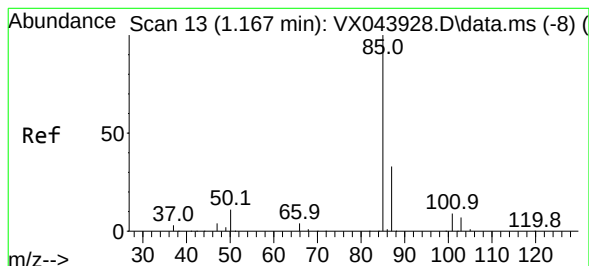
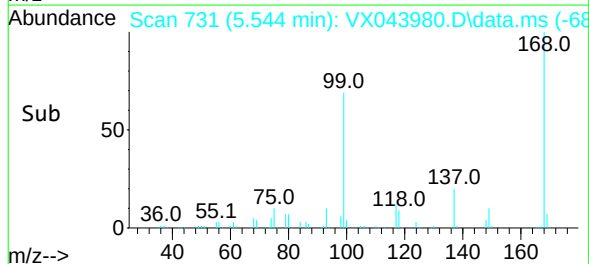
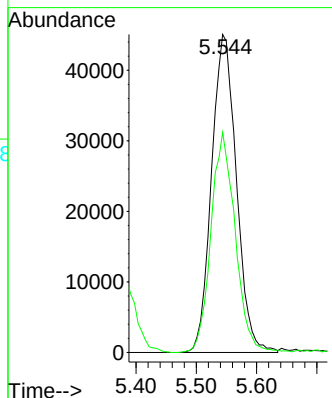
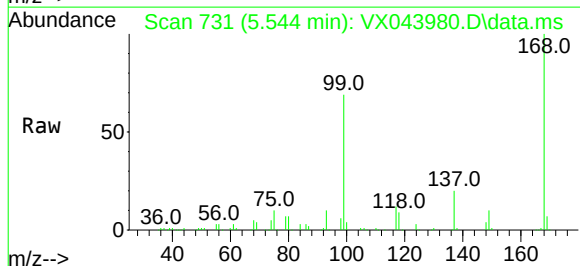
168 100

99 69.2 51.8 77.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#2

Dichlorodifluoromethane

Concen: 17.036 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043980.D

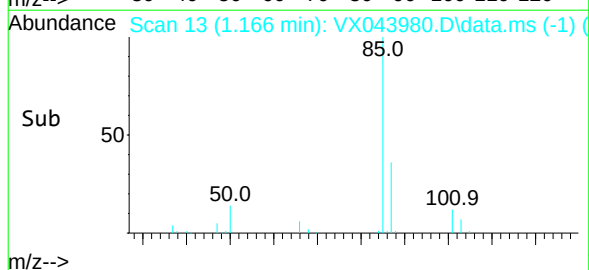
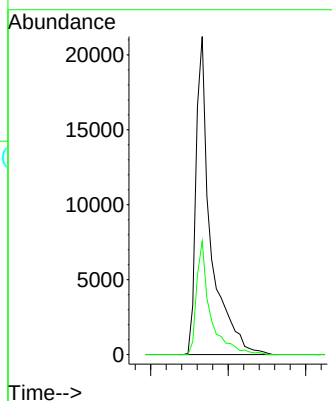
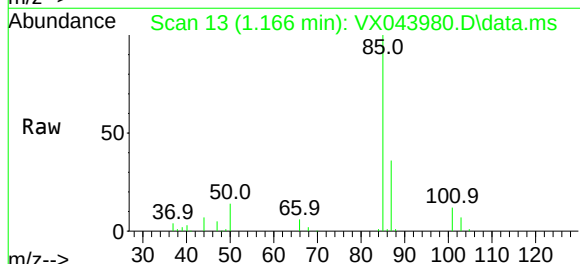
Acq: 25 Nov 2024 12:41

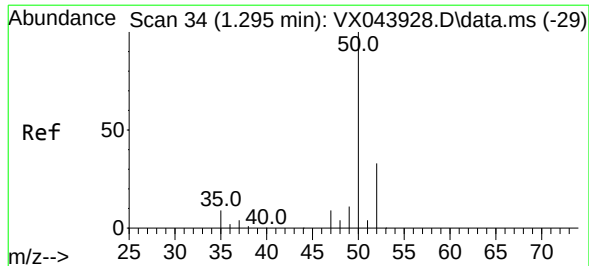
Tgt Ion: 85 Resp: 27858

Ion Ratio Lower Upper

85 100

87 35.7 16.6 49.8





#3

Chloromethane

Concen: 18.297 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 50 Resp: 31484

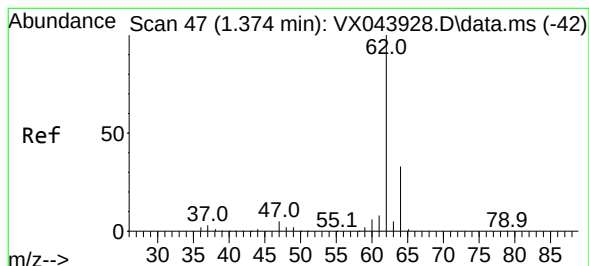
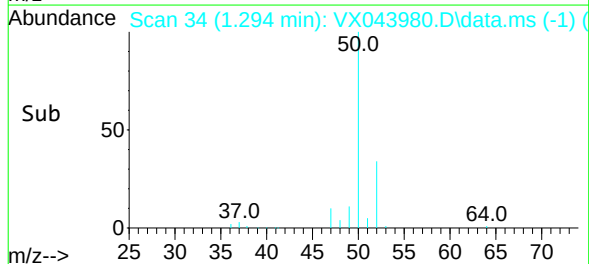
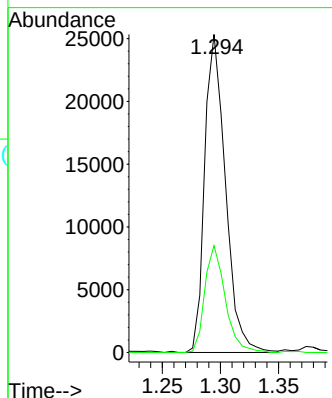
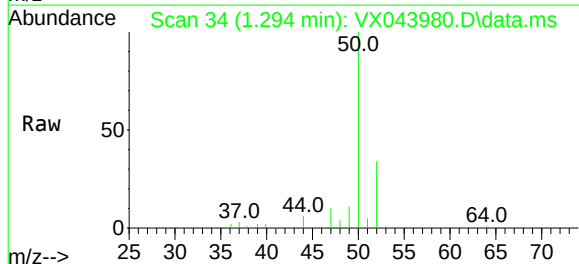
Ion Ratio Lower Upper

50 100

52 33.6 26.1 39.1

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#4

Vinyl Chloride

Concen: 17.520 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043980.D

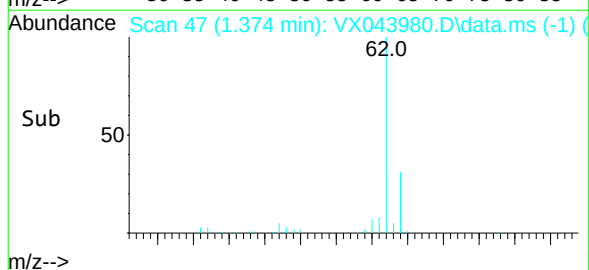
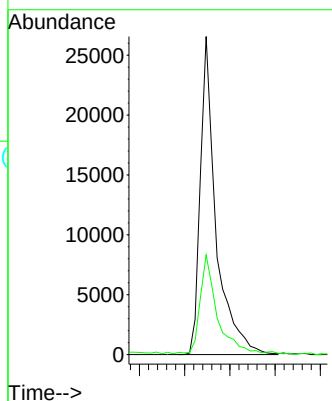
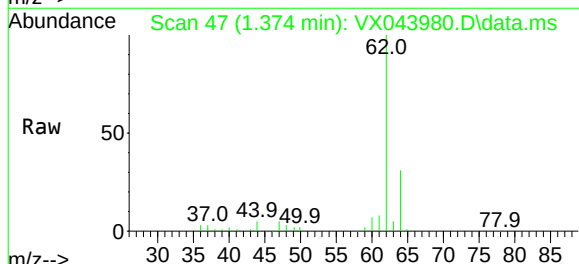
Acq: 25 Nov 2024 12:41

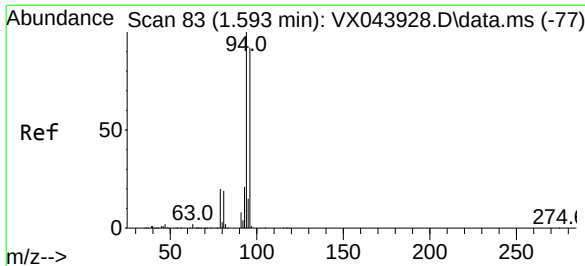
Tgt Ion: 62 Resp: 32067

Ion Ratio Lower Upper

62 100

64 30.9 26.2 39.4





#5

Bromomethane

Concen: 20.571 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 94 Resp: 23162

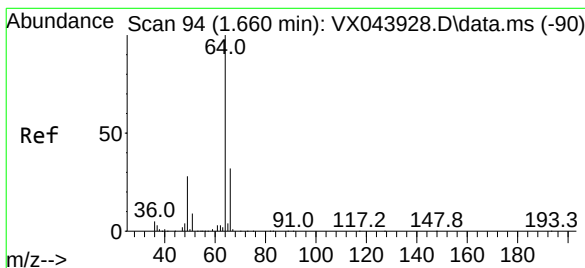
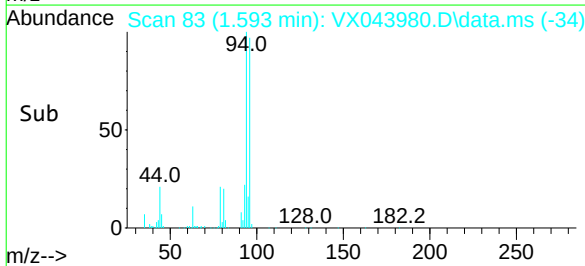
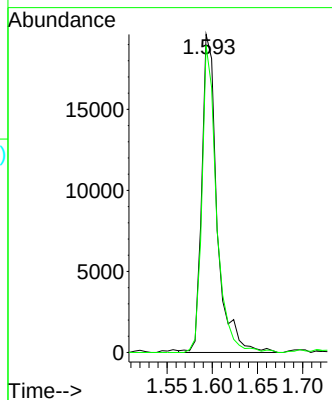
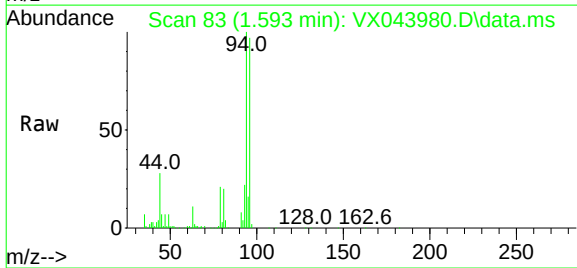
Ion Ratio Lower Upper

94 100

96 96.5 73.9 110.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#6

Chloroethane

Concen: 19.423 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043980.D

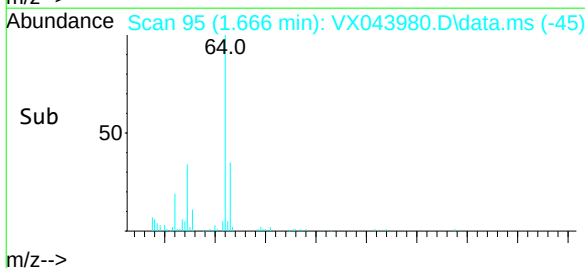
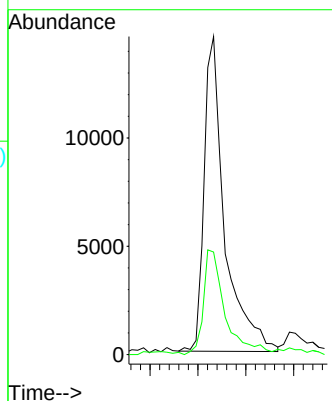
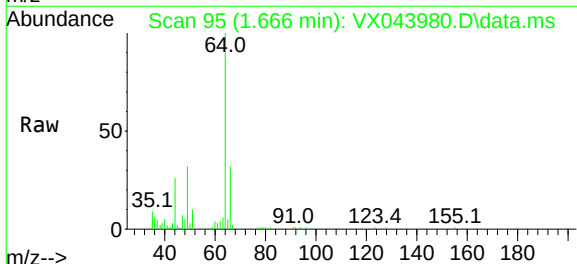
Acq: 25 Nov 2024 12:41

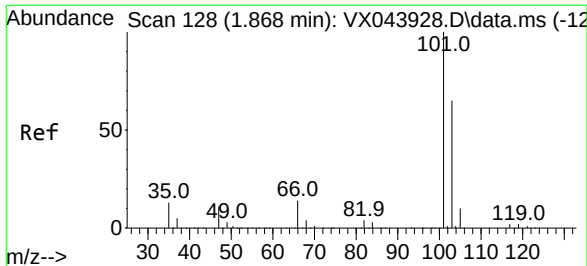
Tgt Ion: 64 Resp: 21661

Ion Ratio Lower Upper

64 100

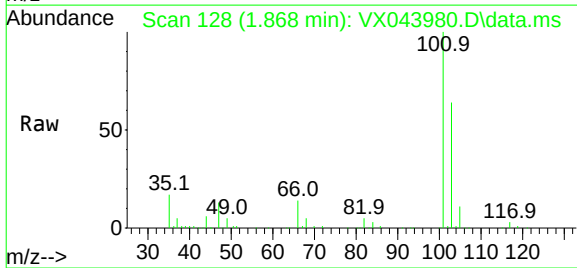
66 31.9 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 19.027 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

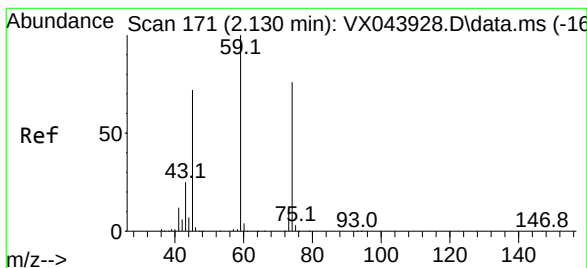
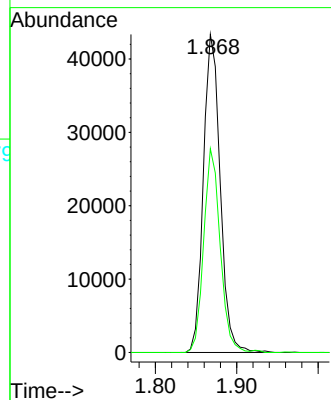
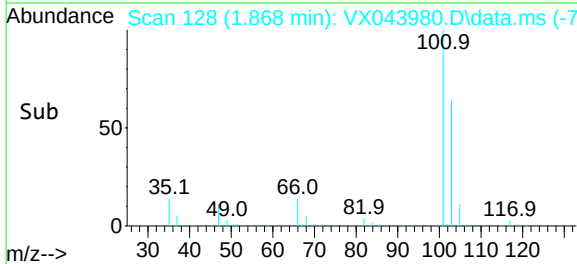
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01



Tgt Ion: 101 Resp: 62260  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.2 78.2

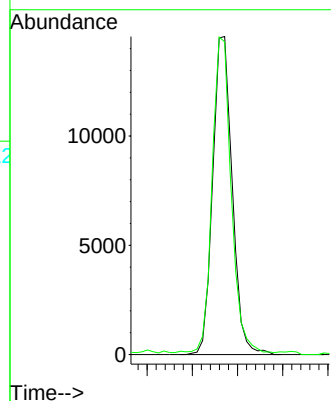
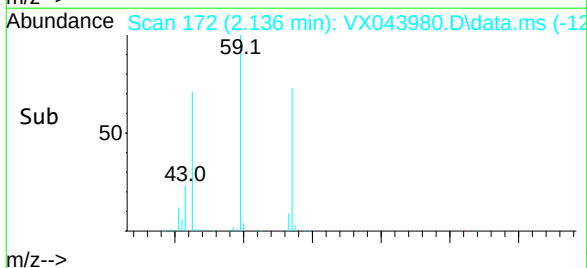
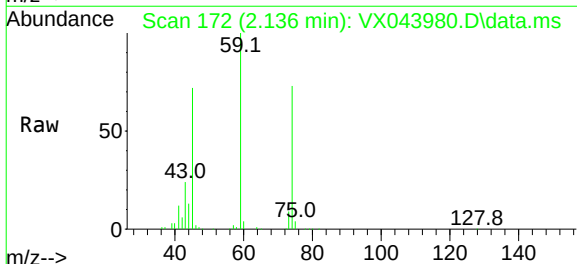
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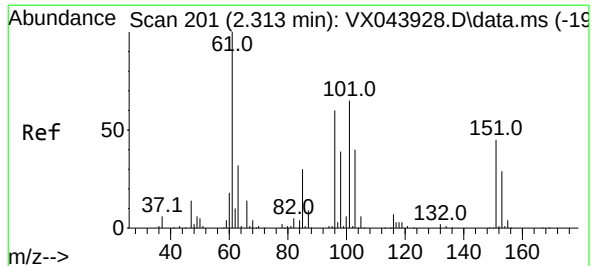
Reviewed By : Mahesh Dadoda 11/26/2024  
Supervised By : Semsettin Yesilyurt 11/26/2024



#8  
Diethyl Ether  
Concen: 18.287 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 74 Resp: 21810  
Ion Ratio Lower Upper  
74 100  
45 96.5 47.9 143.6





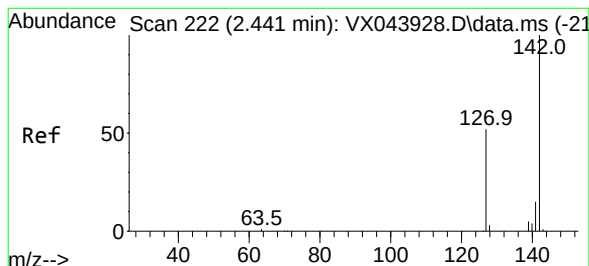
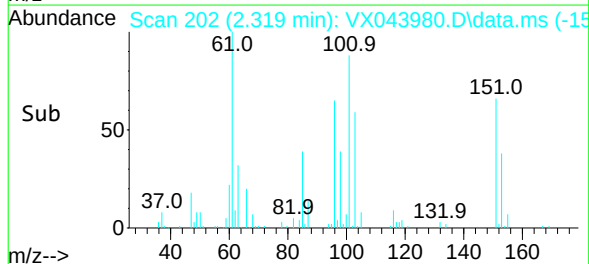
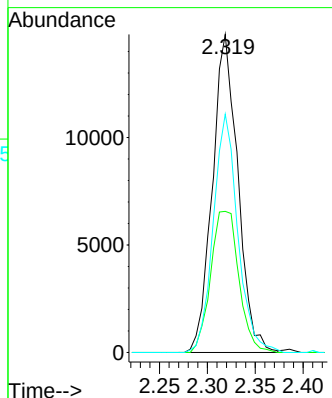
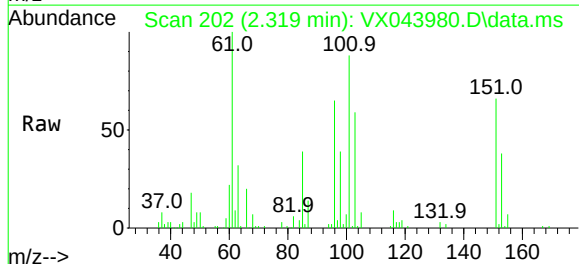
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.549 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 49.0  | 37.9  | 56.9  |
| 151     | 72.1  | 57.5  | 86.3  |

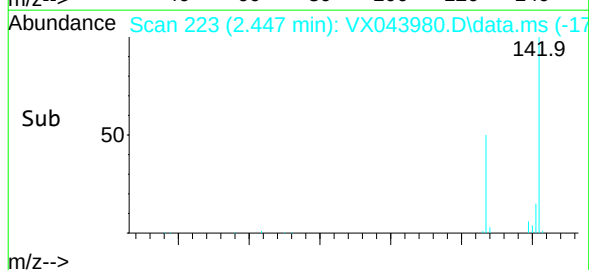
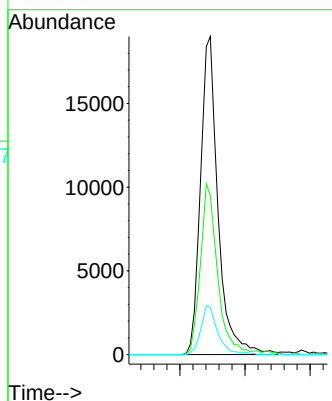
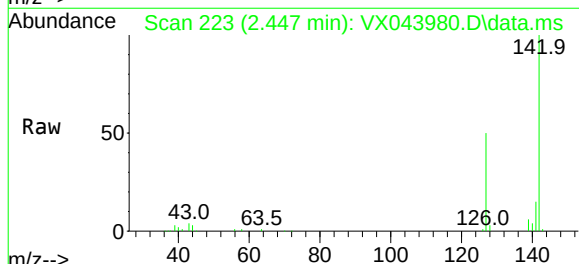
Manual Integrations  
APPROVED

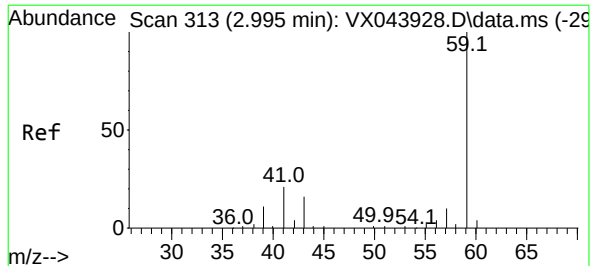
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#10  
Methyl Iodide  
Concen: 18.224 ug/l  
RT: 2.447 min Scan# 223  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 142     | 100   |       |       |
| 127     | 52.9  | 40.7  | 61.1  |
| 141     | 14.9  | 12.0  | 18.0  |





#11

Tert butyl alcohol

Concen: 85.282 ug/l

RT: 2.995 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 59 Resp: 30305

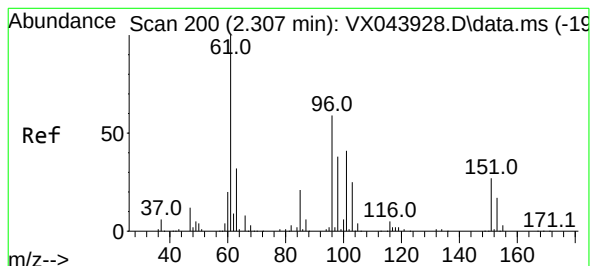
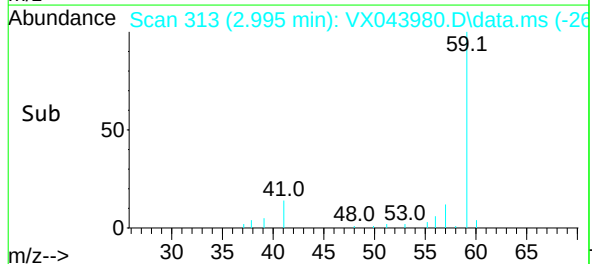
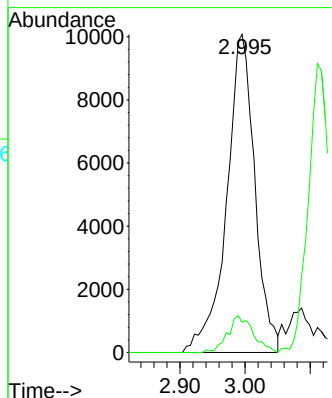
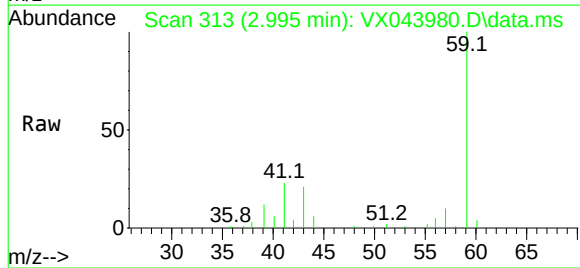
Ion Ratio Lower Upper

59 100

57 10.5 7.9 11.9

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#12

1,1-Dichloroethene

Concen: 17.236 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

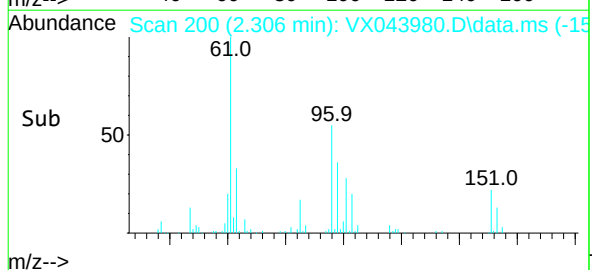
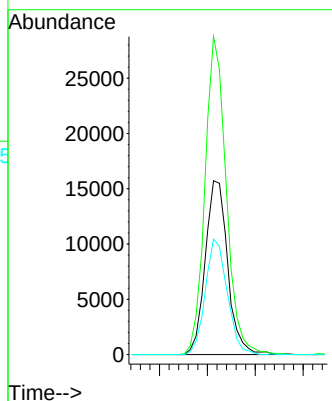
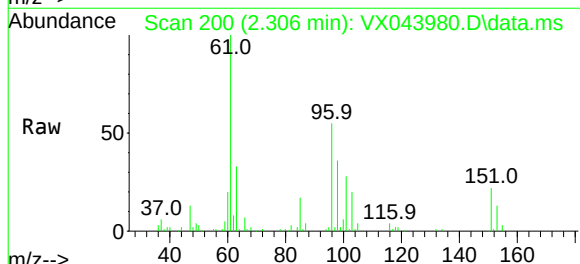
Tgt Ion: 96 Resp: 25636

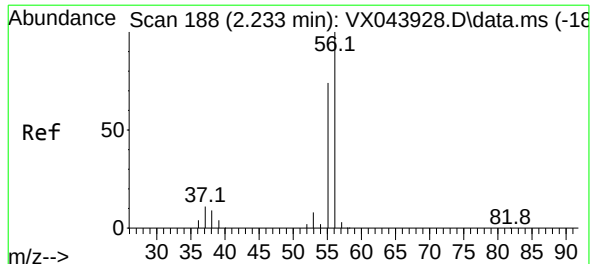
Ion Ratio Lower Upper

96 100

61 182.9 135.5 203.3

98 66.4 50.8 76.2





#13

Acrolein

Concen: 79.545 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 56 Resp: 29794

Ion Ratio Lower Upper

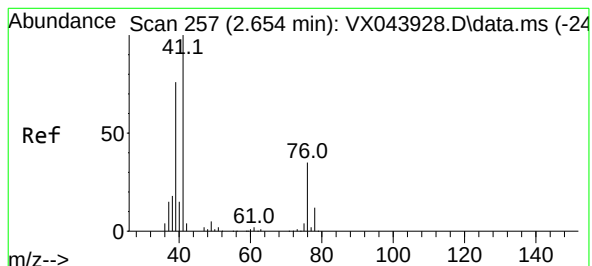
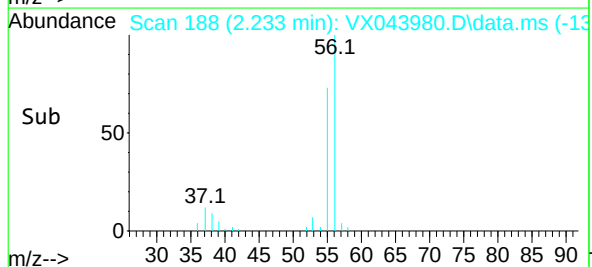
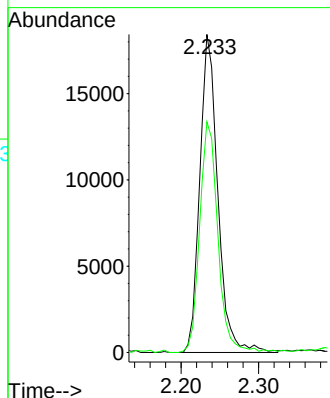
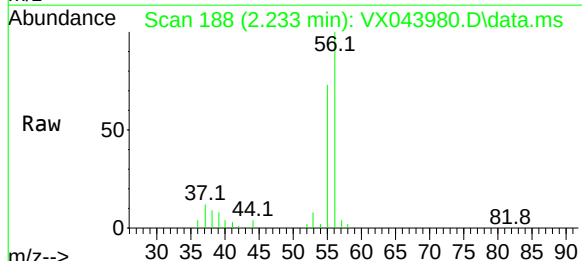
56 100

55 73.7 58.2 87.2

Manual Integrations

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Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#14

Allyl chloride

Concen: 17.842 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

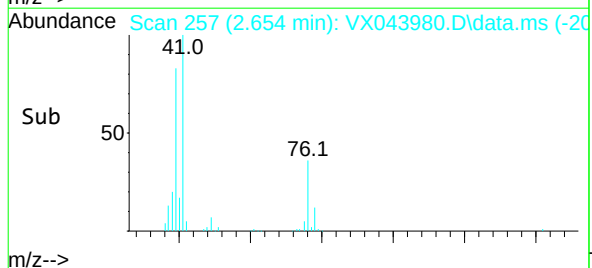
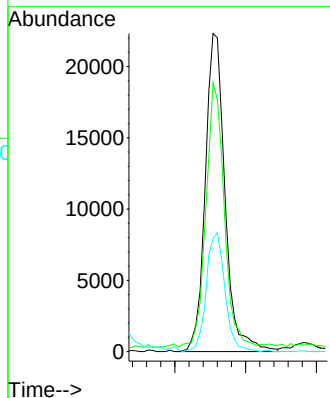
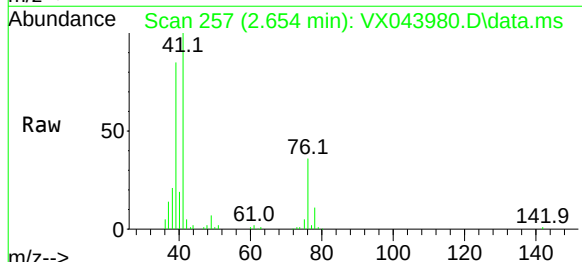
Tgt Ion: 41 Resp: 43363

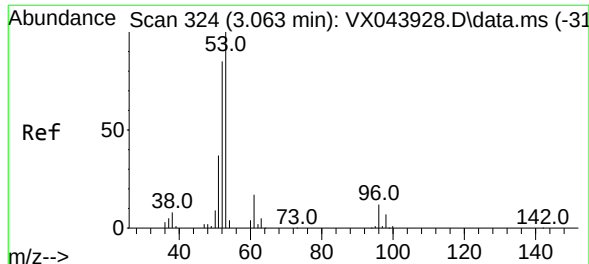
Ion Ratio Lower Upper

41 100

39 77.0 59.5 89.3

76 35.1 27.4 41.2





#15

Acrylonitrile

Concen: 90.547 ug/l

RT: 3.062 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043980.D

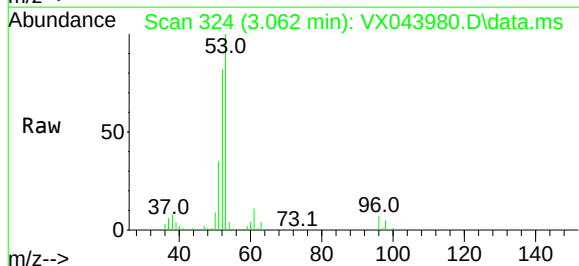
Acq: 25 Nov 2024 12:41

Instrument :

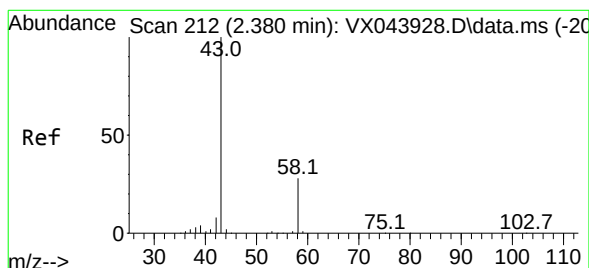
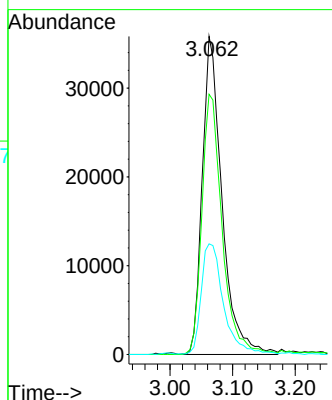
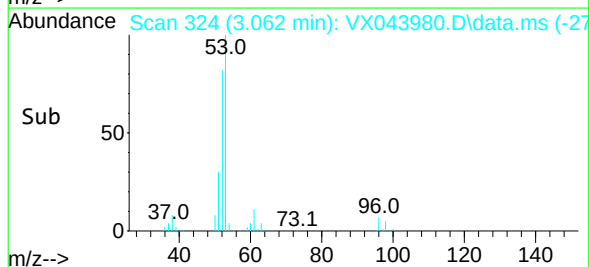
MSVOA\_X

ClientSampleId :

VX1125WBS01



| Tgt Ion: | 53    | Resp: | 78411 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 84.0  | 66.5  | 99.7  |
| 51       | 38.5  | 30.2  | 45.4  |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#16

Acetone

Concen: 87.837 ug/l

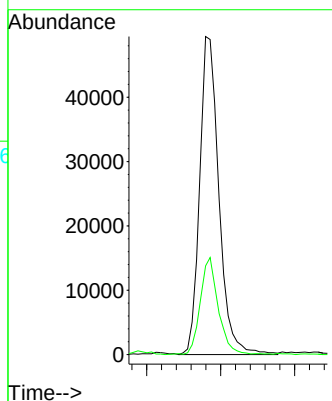
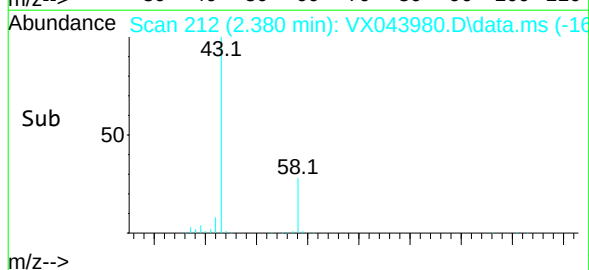
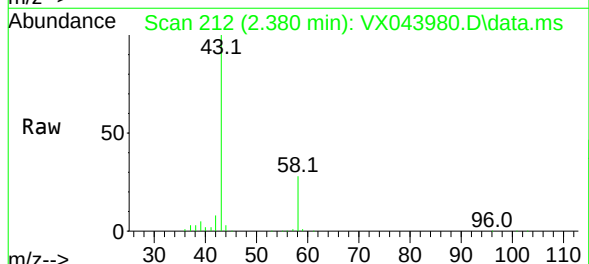
RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

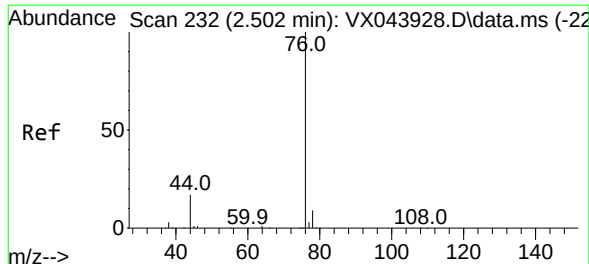
Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

| Tgt Ion: | 43    | Resp: | 89315 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 27.6  | 22.7  | 34.1  |







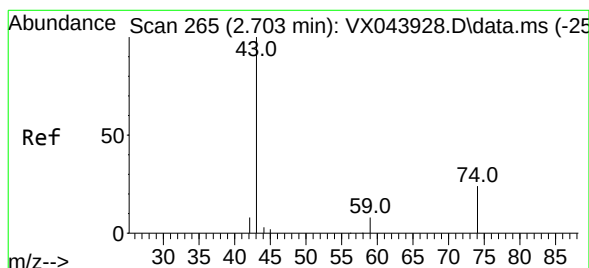
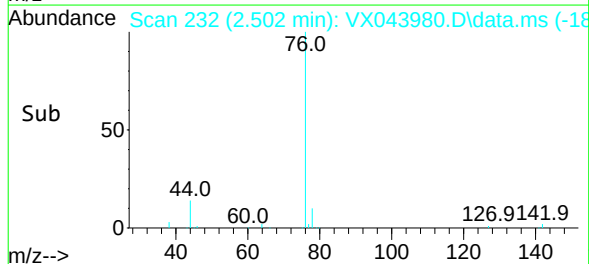
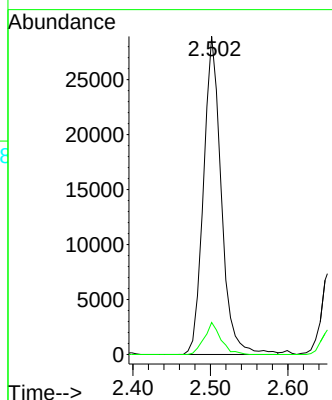
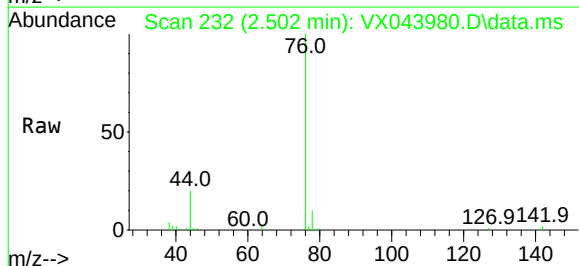
#17  
Carbon Disulfide  
Concen: 15.048 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Tgt Ion: 76 Resp: 46168  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.0 10.6

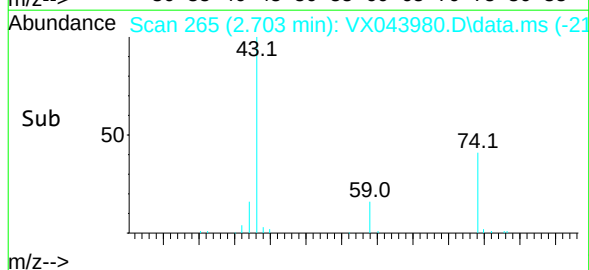
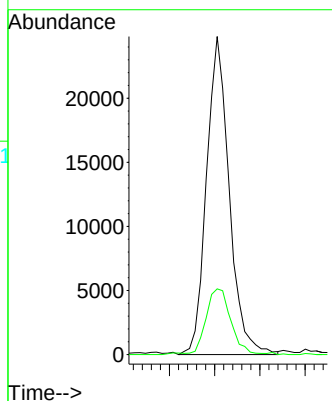
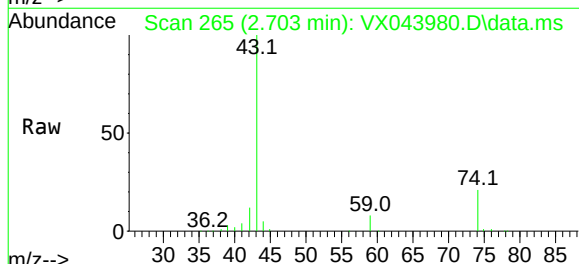
Manual Integrations  
APPROVED

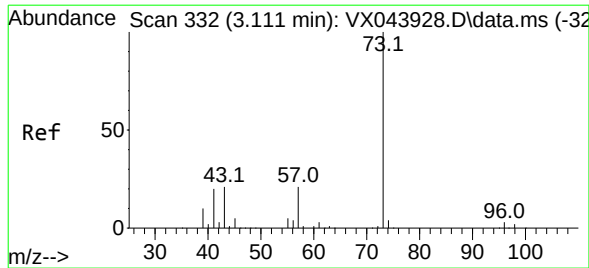
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#18  
Methyl Acetate  
Concen: 18.308 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 43353  
Ion Ratio Lower Upper  
43 100  
74 23.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 18.961 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 73 Resp: 102397

Ion Ratio Lower Upper

73 100

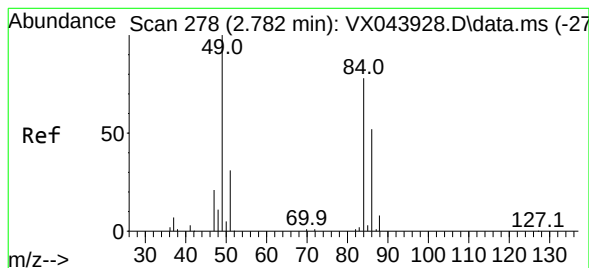
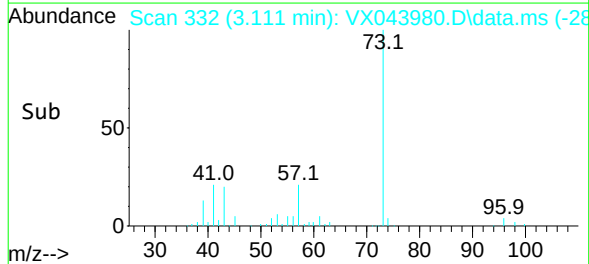
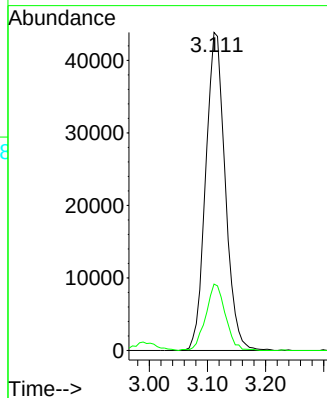
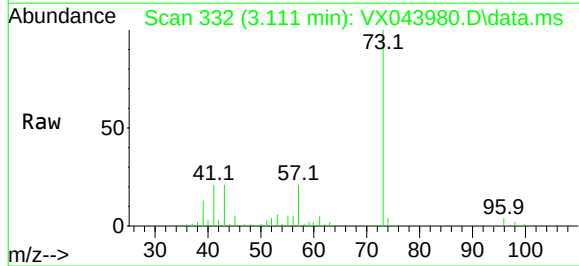
57 20.9 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#20

Methylene Chloride

Concen: 17.791 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Tgt Ion: 84 Resp: 30699

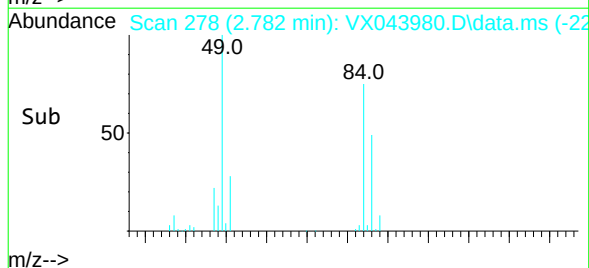
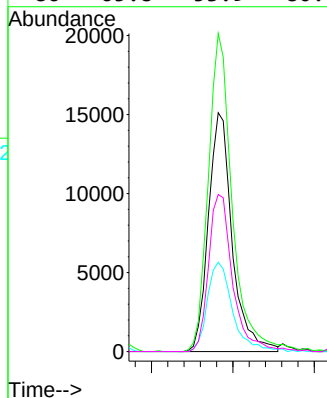
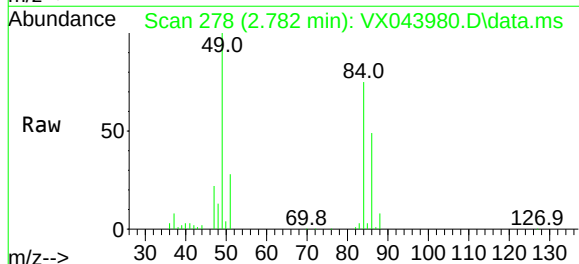
Ion Ratio Lower Upper

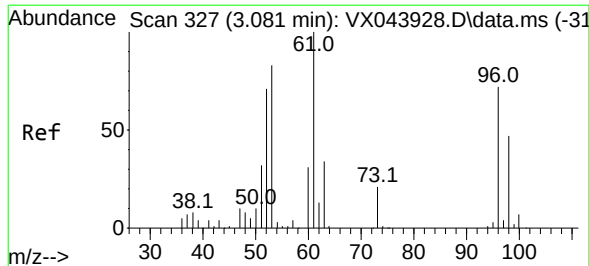
84 100

49 133.2 102.7 154.1

51 37.4 31.7 47.5

86 65.8 53.9 80.9





#21

trans-1,2-Dichloroethene

Concen: 17.893 ug/l

RT: 3.087 min Scan# 327

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 96 Resp: 27476

Ion Ratio Lower Upper

96 100

61 146.3 111.8 167.6

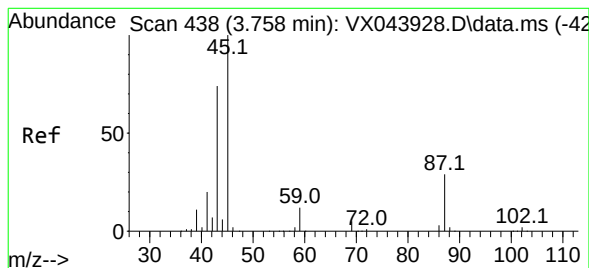
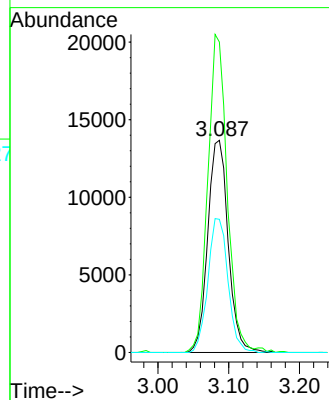
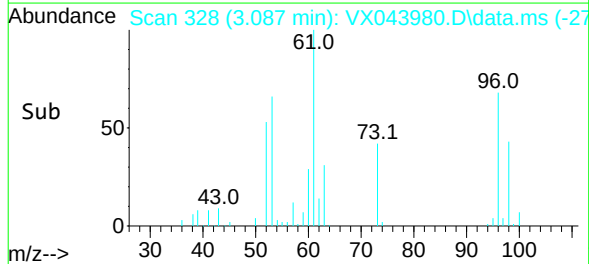
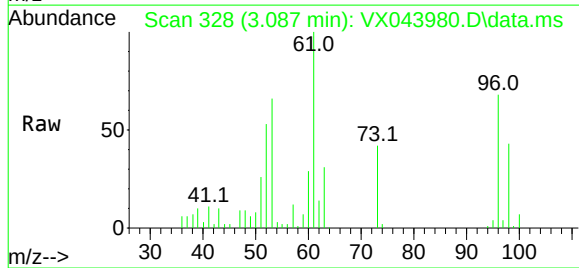
98 62.8 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#22

Diisopropyl ether

Concen: 19.474 ug/l

RT: 3.757 min Scan# 438

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Tgt Ion: 45 Resp: 101204

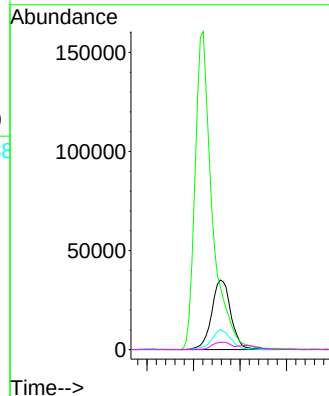
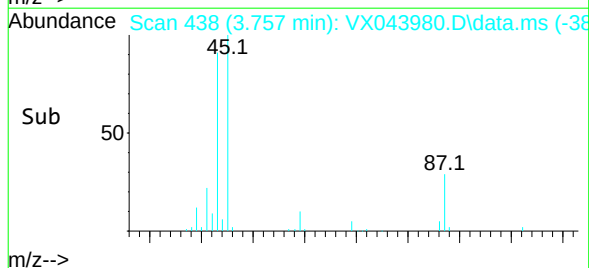
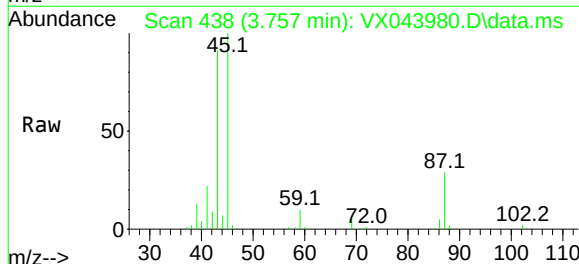
Ion Ratio Lower Upper

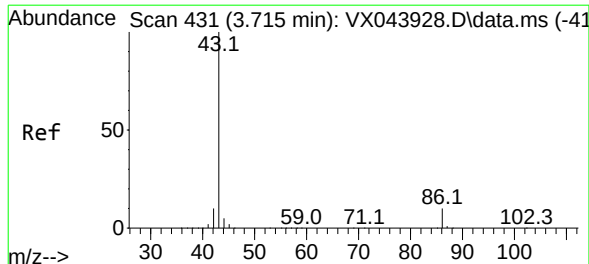
45 100

43 90.3 59.6 89.4

87 28.8 22.9 34.3

59 10.2 9.8 14.6





#23

Vinyl Acetate

Concen: 92.903 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 43 Resp: 413005

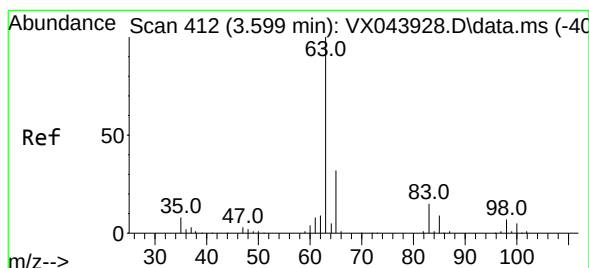
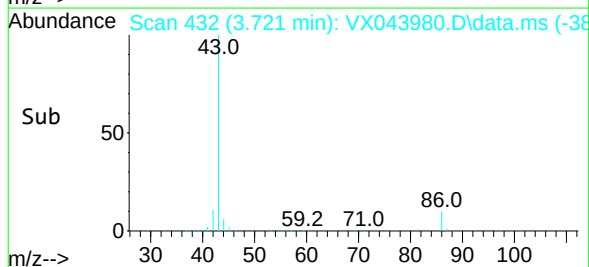
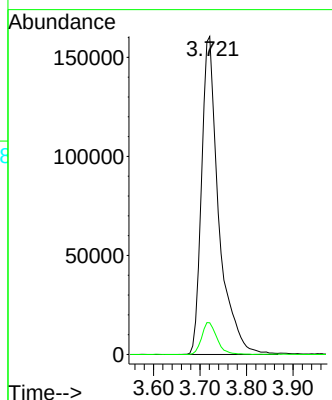
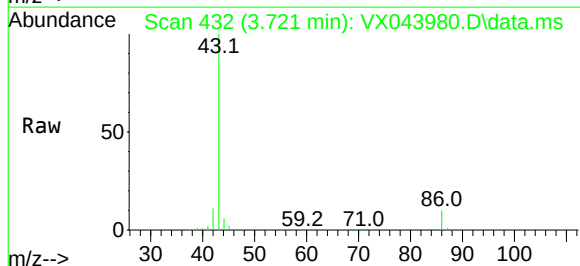
Ion Ratio Lower Upper

43 100

86 10.0 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#24

1,1-Dichloroethane

Concen: 19.291 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

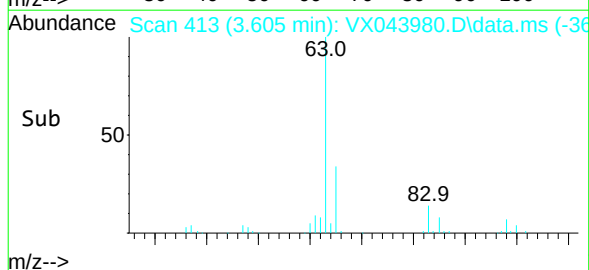
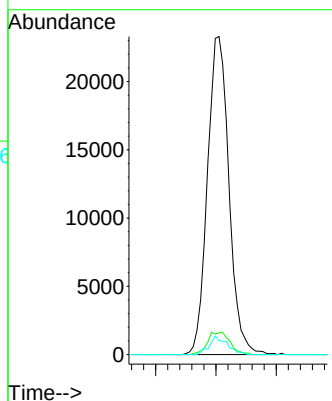
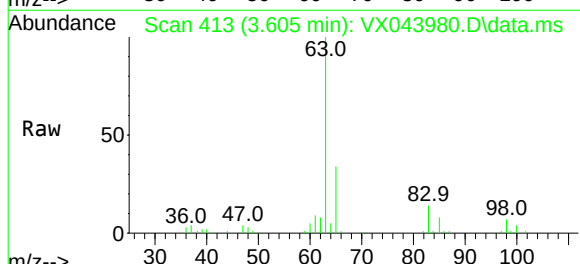
Tgt Ion: 63 Resp: 57833

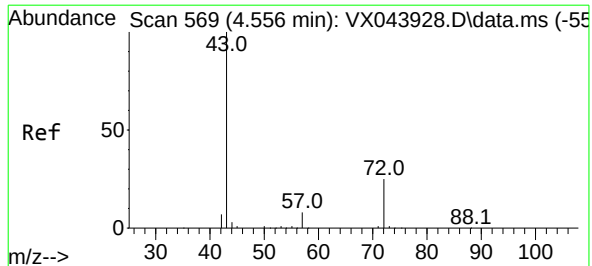
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

100 4.5 2.4 7.1





#25

2-Butanone

Concen: 91.330 ug/l

RT: 4.562 min Scan# 570

Delta R.T. 0.006 min

Lab File: VX043980.D

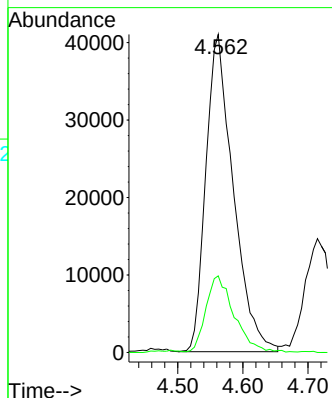
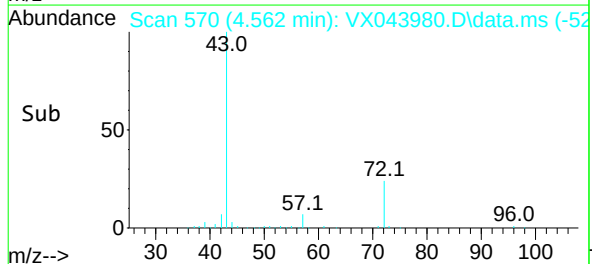
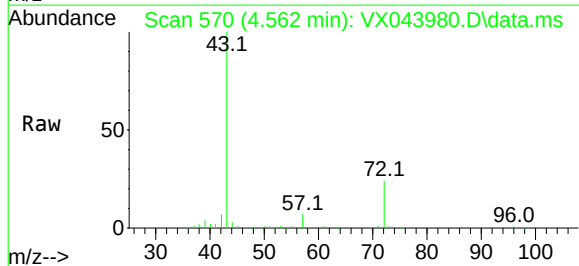
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 119828

Ion Ratio Lower Upper

43 100

72 23.7 20.2 30.2



Instrument :

MSVOA\_X

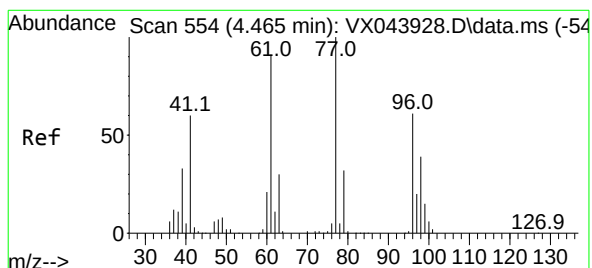
ClientSampleId :

VX1125WBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#26

2,2-Dichloropropane

Concen: 18.480 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043980.D

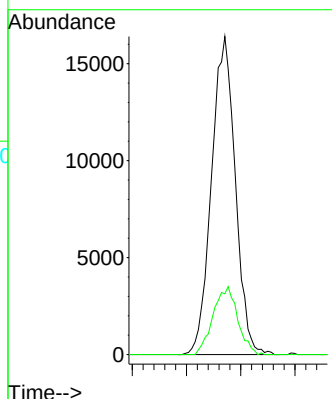
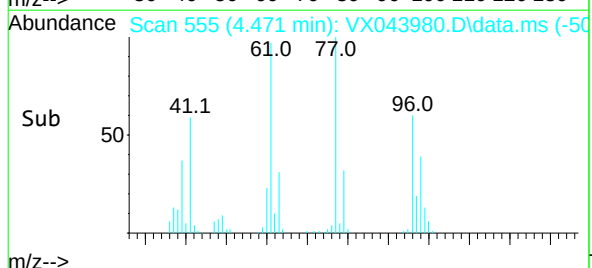
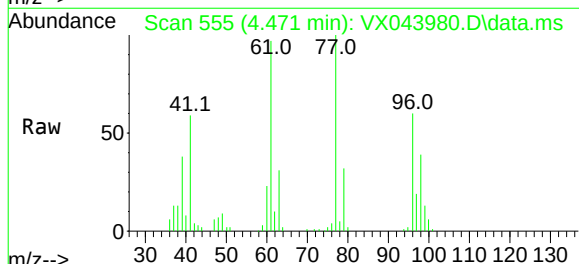
Acq: 25 Nov 2024 12:41

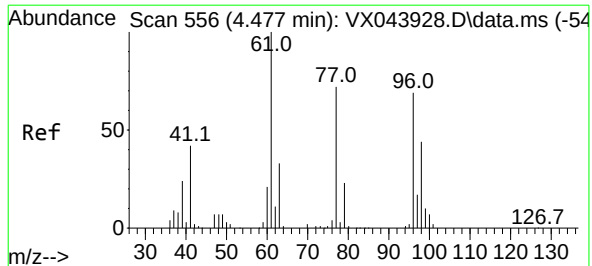
Tgt Ion: 77 Resp: 50034

Ion Ratio Lower Upper

77 100

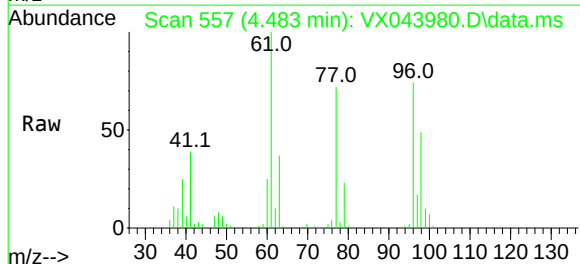
97 21.9 10.8 32.3





#27  
cis-1,2-Dichloroethene  
Concen: 18.672 ug/l  
RT: 4.483 min Scan# 556  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

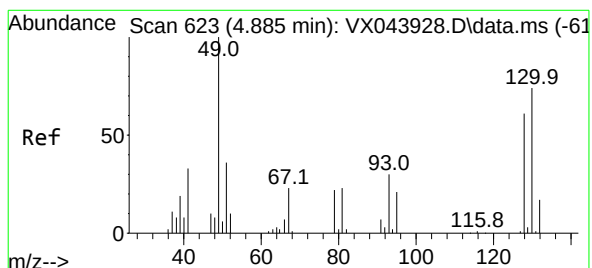
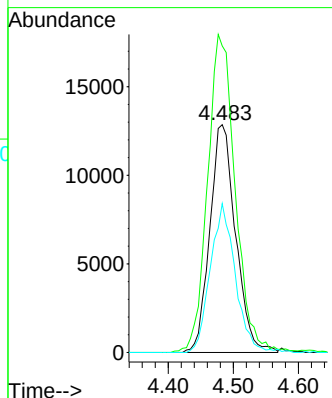
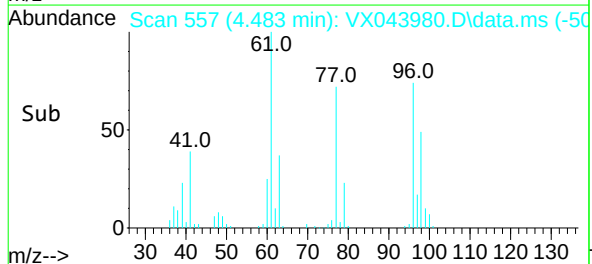
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01



Tgt Ion: 96 Resp: 35442  
Ion Ratio Lower Upper  
96 100  
61 149.4 0.0 297.4  
98 63.4 0.0 127.8

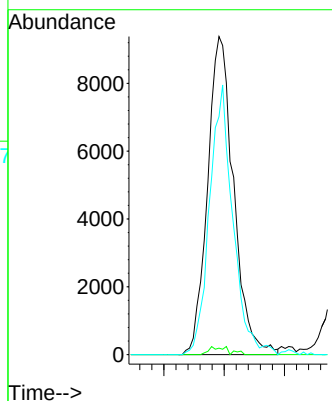
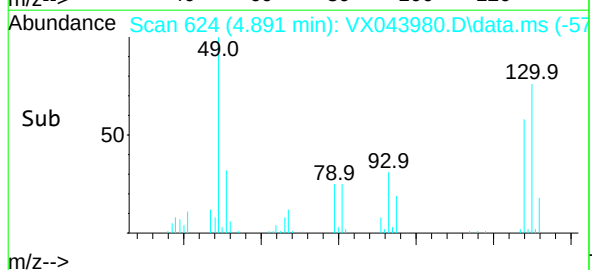
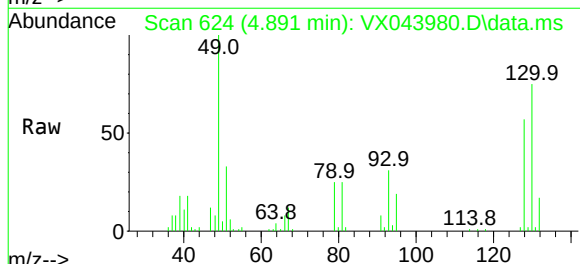
Manual Integrations  
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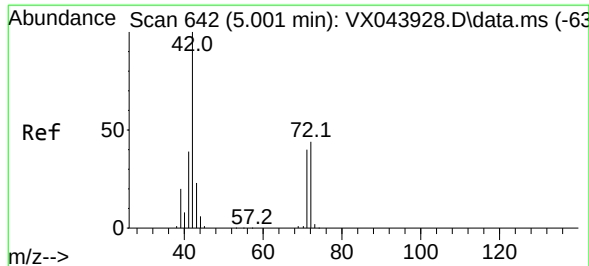
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#28  
Bromochloromethane  
Concen: 21.335 ug/l  
RT: 4.891 min Scan# 624  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 49 Resp: 28155  
Ion Ratio Lower Upper  
49 100  
129 1.7 0.0 4.0  
130 76.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 89.055 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 42 Resp: 71632

Ion Ratio Lower Upper

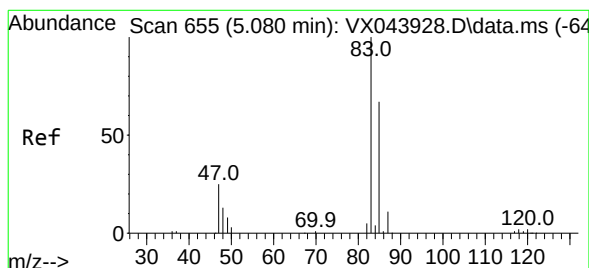
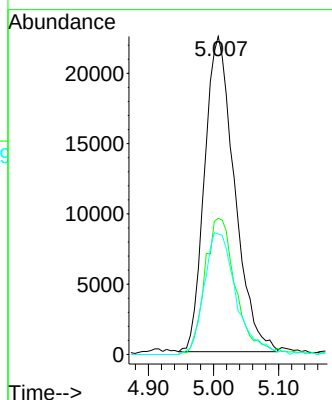
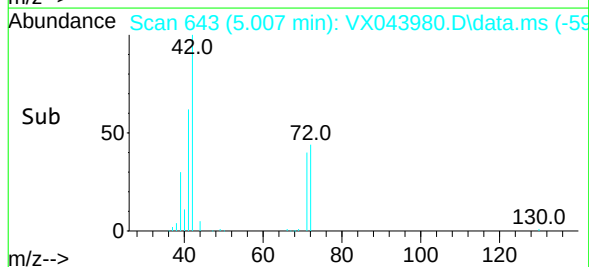
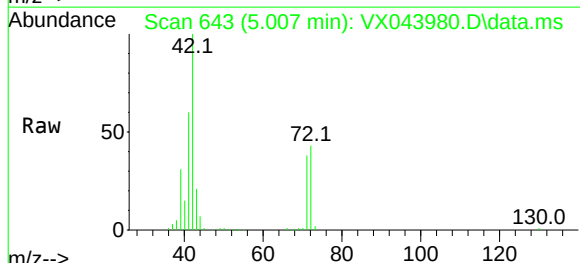
42 100

72 45.2 36.4 54.6

71 41.2 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#30

Chloroform

Concen: 19.474 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043980.D

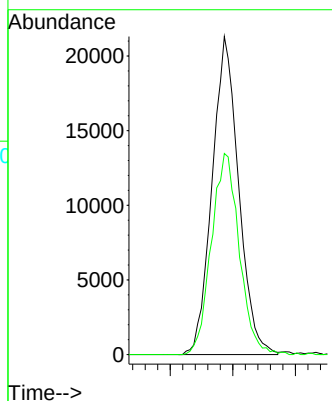
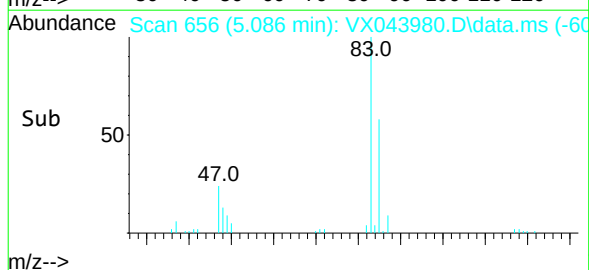
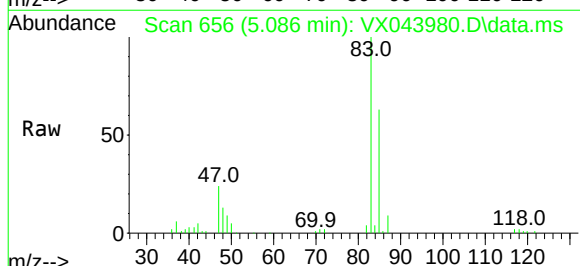
Acq: 25 Nov 2024 12:41

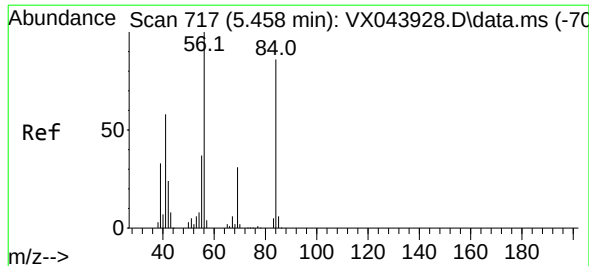
Tgt Ion: 83 Resp: 62792

Ion Ratio Lower Upper

83 100

85 63.2 53.5 80.3





#31

Cyclohexane

Concen: 17.907 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043980.D

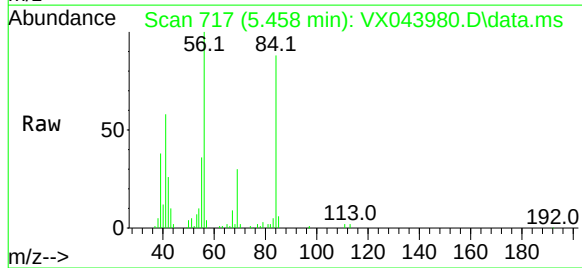
Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

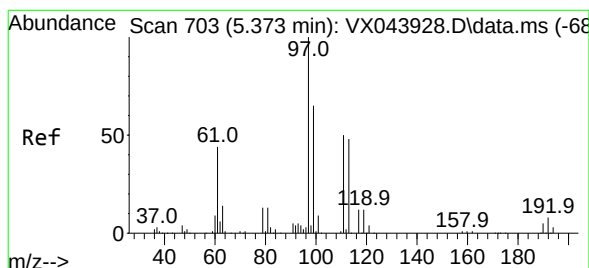
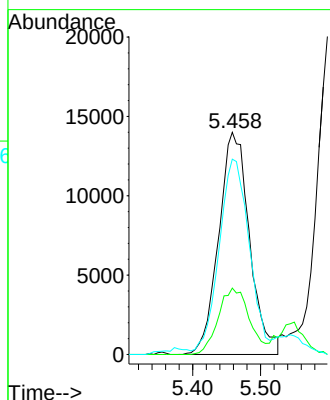
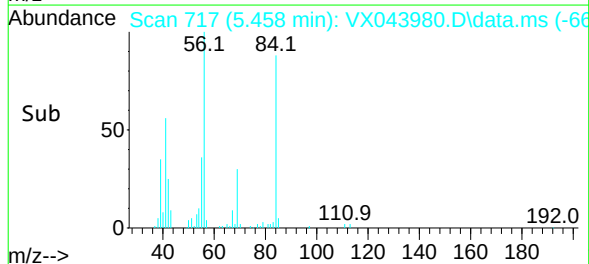
VX1125WBS01



| Tgt Ion:  | 56    | Resp: | 44185 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 56        | 100   |       |       |
| 69        | 29.9  | 24.7  | 37.1  |
| 84        | 85.4  | 68.7  | 103.1 |

Manual Integrations  
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Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#32

1,1,1-Trichloroethane

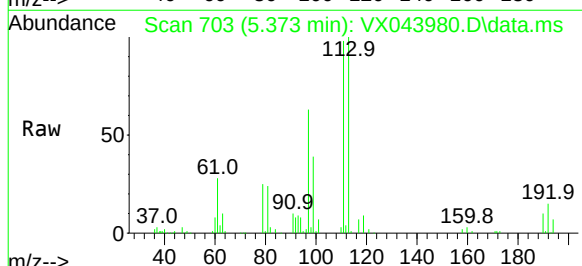
Concen: 19.321 ug/l

RT: 5.373 min Scan# 703

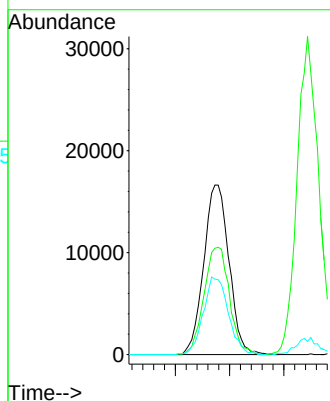
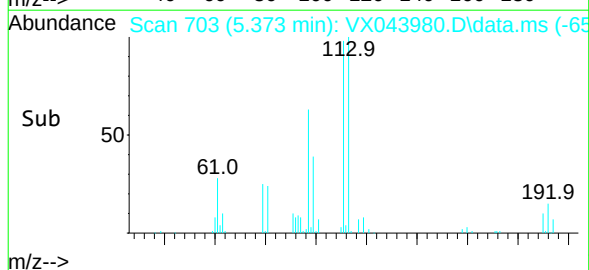
Delta R.T. -0.000 min

Lab File: VX043980.D

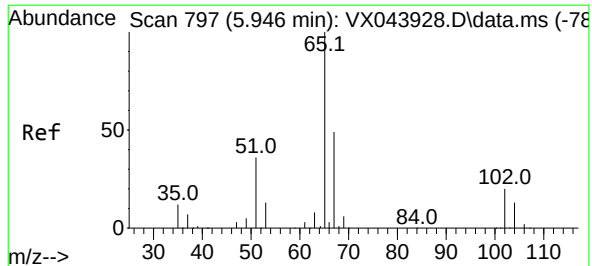
Acq: 25 Nov 2024 12:41



| Tgt Ion:  | 97    | Resp: | 53725 |
|-----------|-------|-------|-------|
| Ion Ratio | Lower | Upper |       |
| 97        | 100   |       |       |
| 99        | 63.8  | 50.8  | 76.2  |
| 61        | 45.3  | 35.4  | 53.2  |

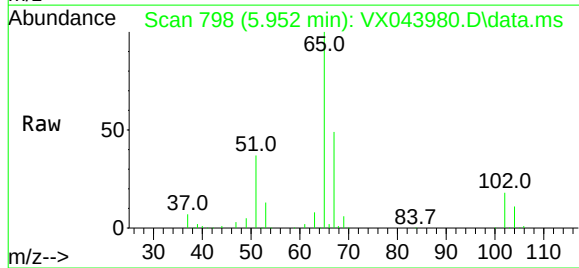






#33  
1,2-Dichloroethane-d4  
Concen: 50.577 ug/l  
RT: 5.952 min Scan# 797  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

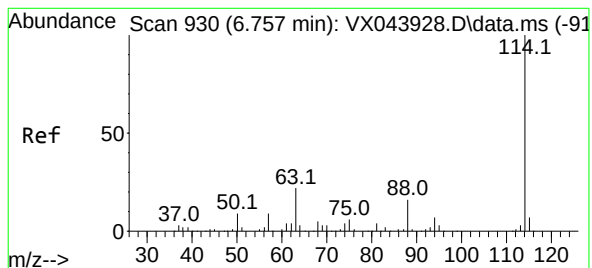
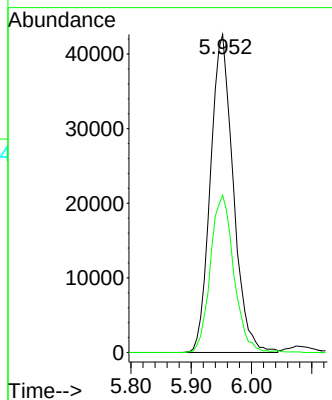
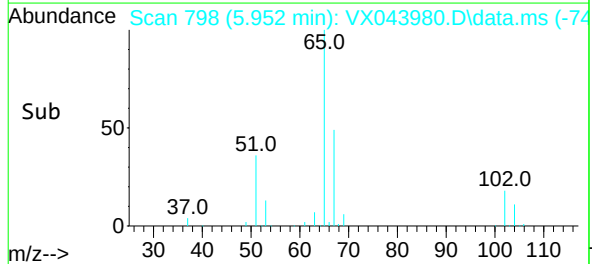
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01



Tgt Ion: 65 Resp: 111972  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 100.8

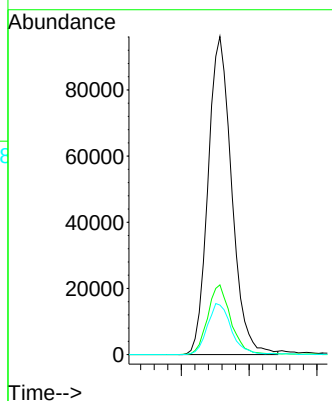
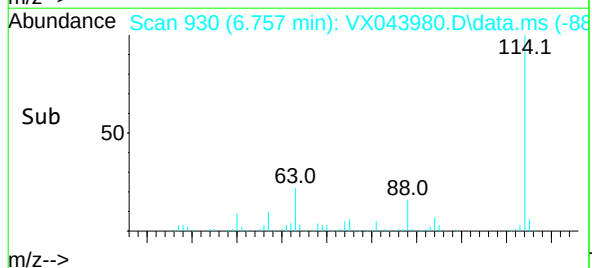
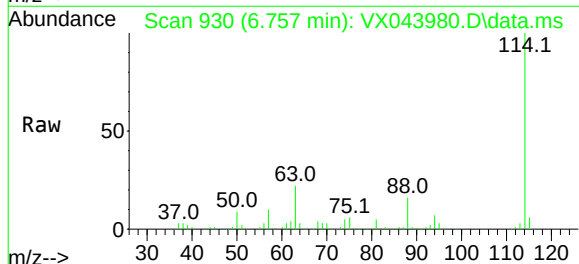
Manual Integrations  
APPROVED

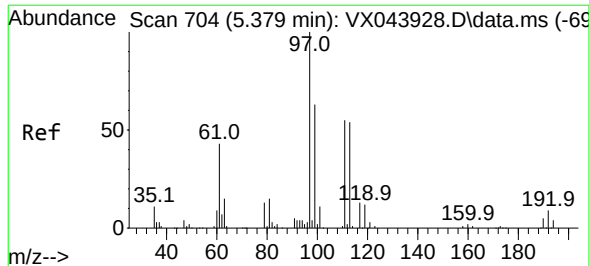
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

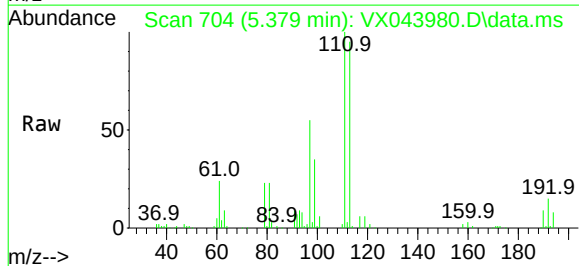
Tgt Ion:114 Resp: 232630  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 44.0  
88 15.6 0.0 32.4





#35  
Dibromofluoromethane  
Concen: 49.406 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

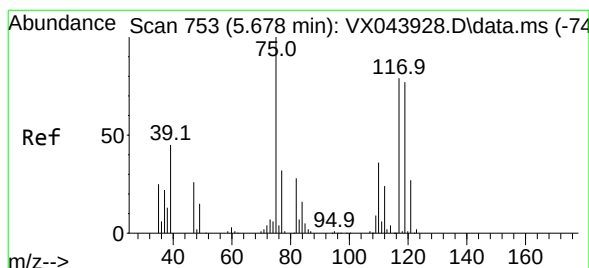
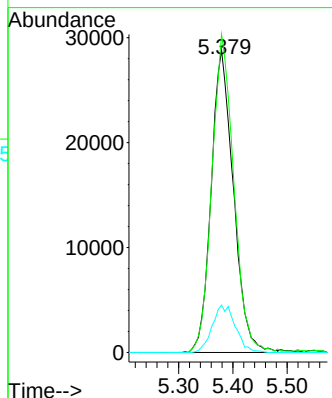
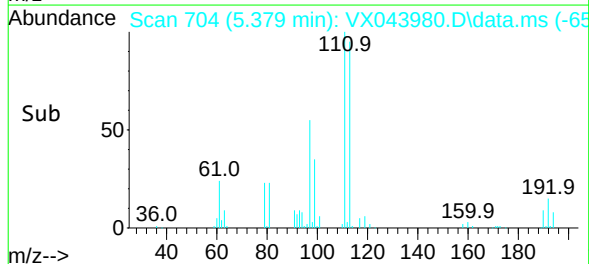
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01



Tgt Ion: 113 Resp: 82126  
Ion Ratio Lower Upper  
113 100  
111 103.8 81.0 121.4  
192 16.3 13.0 19.6

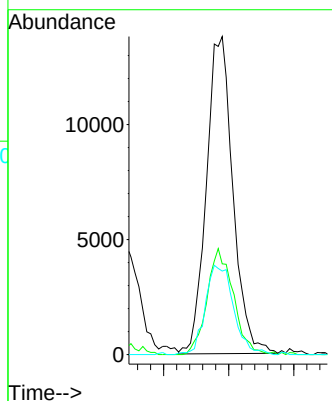
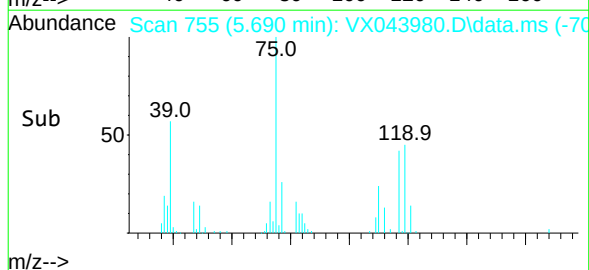
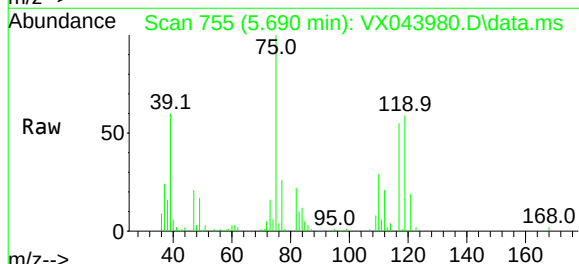
Manual Integrations  
**APPROVED**

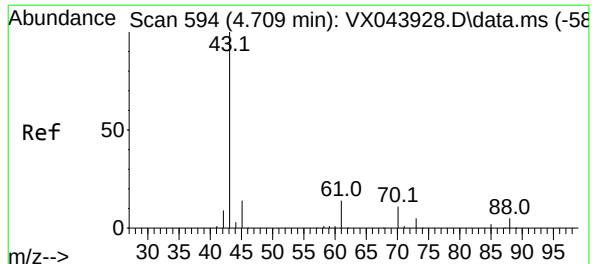
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#36  
1,1-Dichloropropene  
Concen: 18.830 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. 0.012 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 39005  
Ion Ratio Lower Upper  
75 100  
110 33.2 17.4 52.2  
77 30.0 25.8 38.8





#37

Ethyl Acetate

Concen: 16.958 ug/l

RT: 4.715 min Scan# 59

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

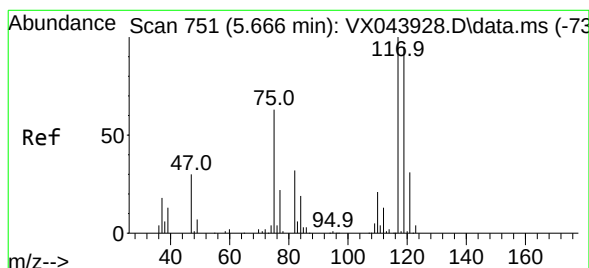
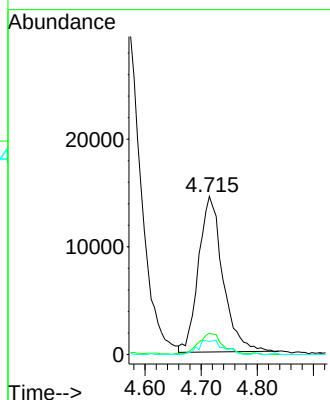
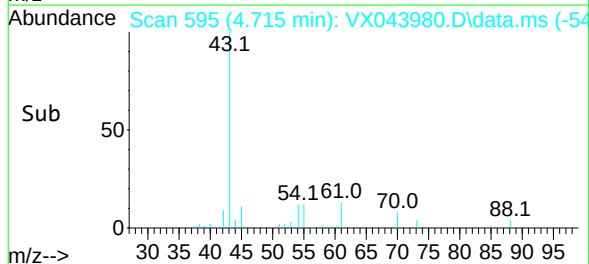
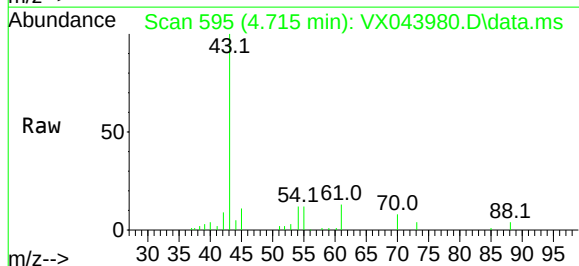
ClientSampleId :

VX1125WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 43604 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 61       | 13.5  | 10.7  | 16.1  |
| 70       | 9.4   | 8.0   | 12.0  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#38

Carbon Tetrachloride

Concen: 17.769 ug/l

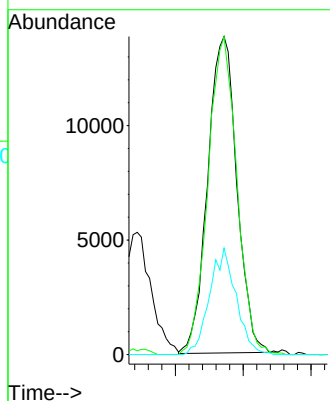
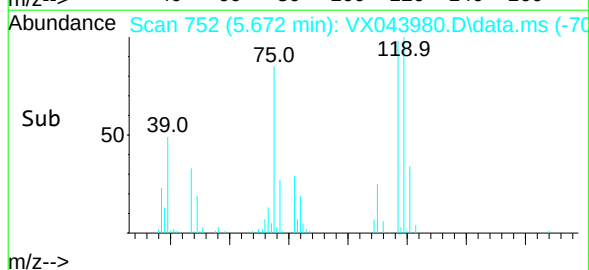
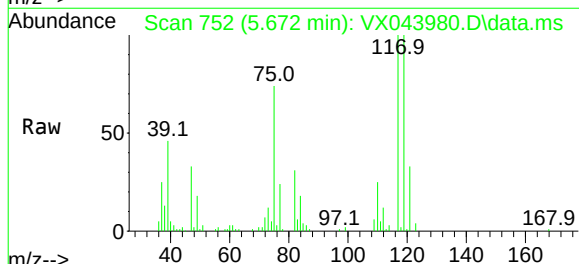
RT: 5.672 min Scan# 752

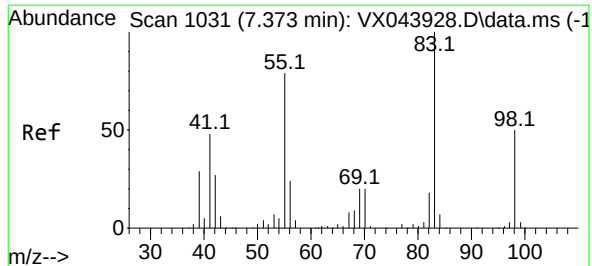
Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 41358 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 119      | 100.6 | 75.2  | 112.8 |
| 121      | 33.7  | 24.5  | 36.7  |





#39

Methylcyclohexane

Concen: 17.047 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 83 Resp: 45874

Ion Ratio Lower Upper

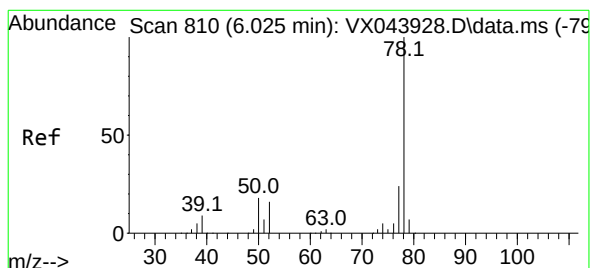
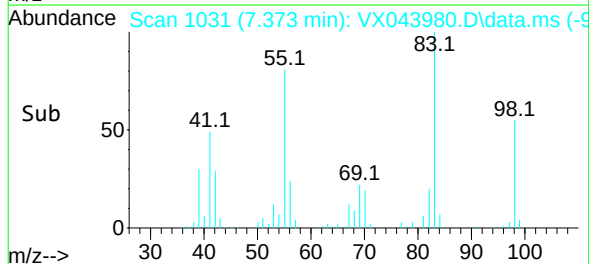
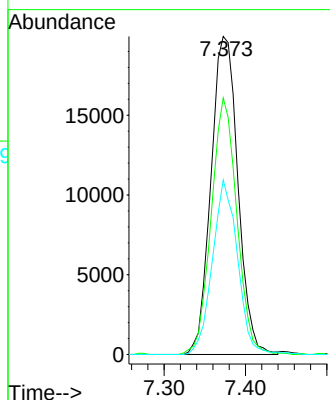
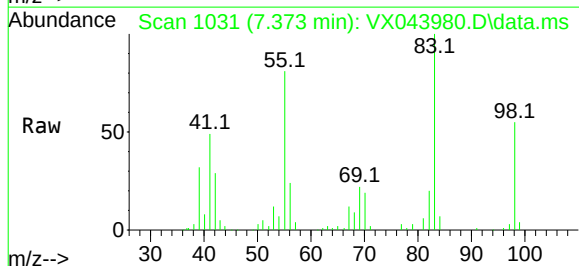
83 100

55 80.7 63.1 94.7

98 54.9 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#40

Benzene

Concen: 18.797 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043980.D

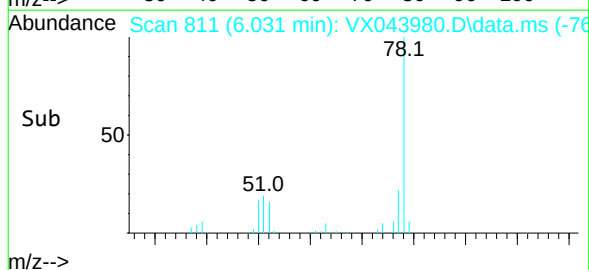
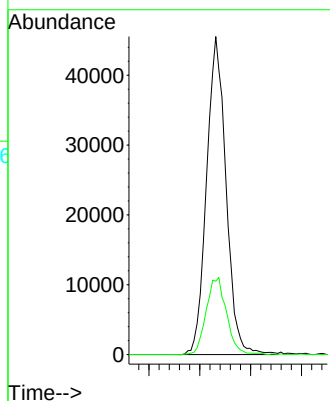
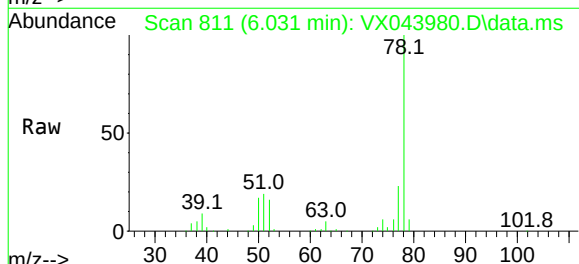
Acq: 25 Nov 2024 12:41

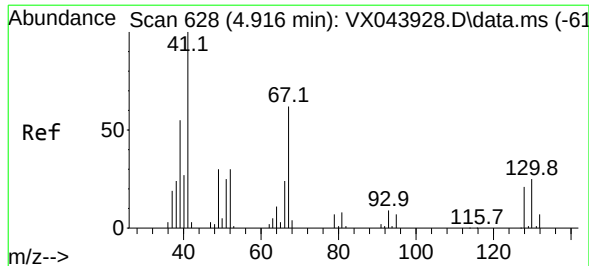
Tgt Ion: 78 Resp: 121280

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8





#41

Methacrylonitrile

Concen: 18.537 ug/l

RT: 4.928 min Scan# 63

Delta R.T. 0.012 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 41 Resp: 24395

Ion Ratio Lower Upper

41 100

39 57.0 41.7 62.5

67 69.4 55.8 83.8

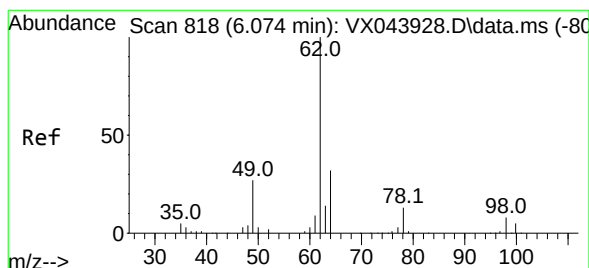
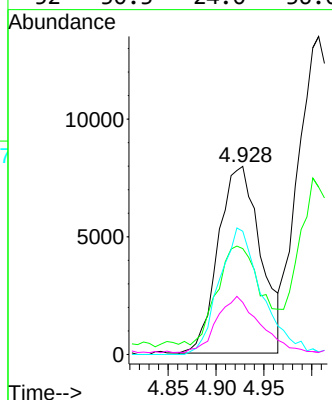
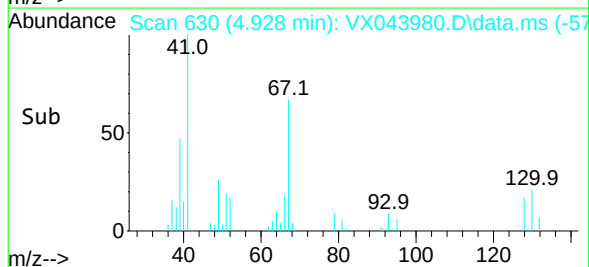
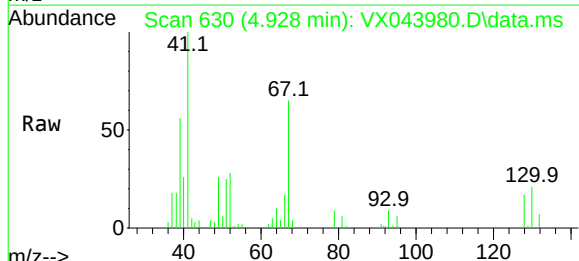
52 30.3 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#42

1,2-Dichloroethane

Concen: 19.069 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX043980.D

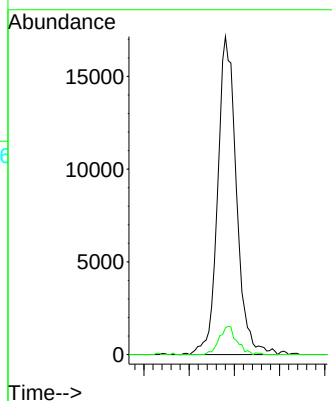
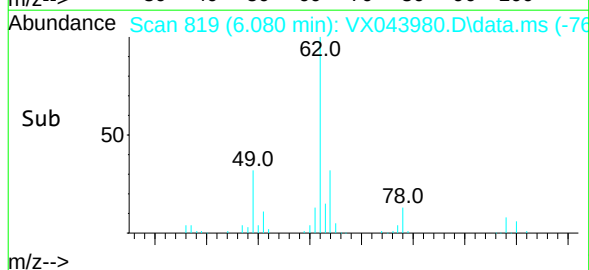
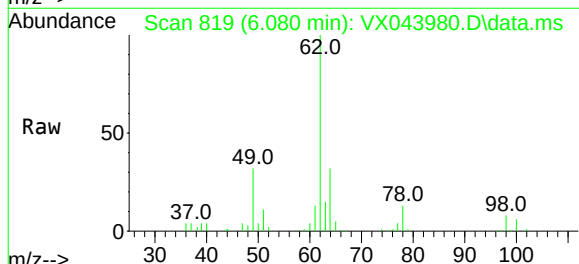
Acq: 25 Nov 2024 12:41

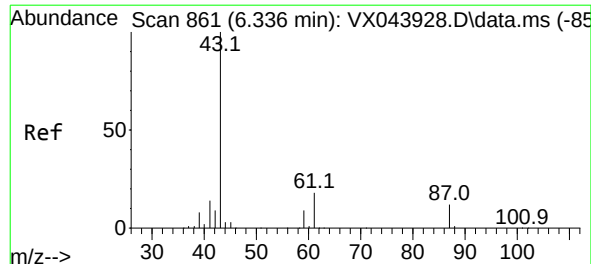
Tgt Ion: 62 Resp: 49414

Ion Ratio Lower Upper

62 100

98 8.2 0.0 16.4





#43

Isopropyl Acetate

Concen: 18.280 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 43 Resp: 74800

Ion Ratio Lower Upper

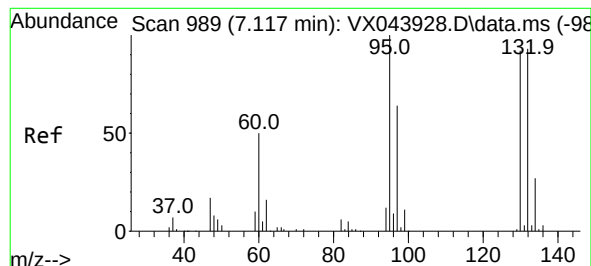
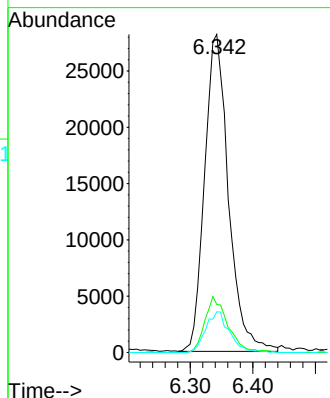
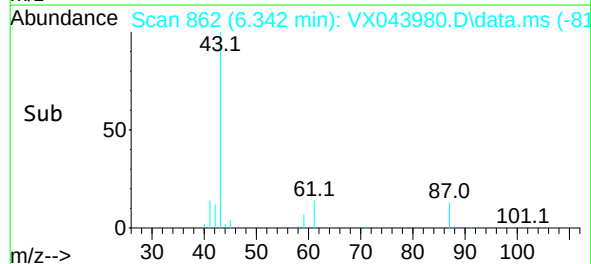
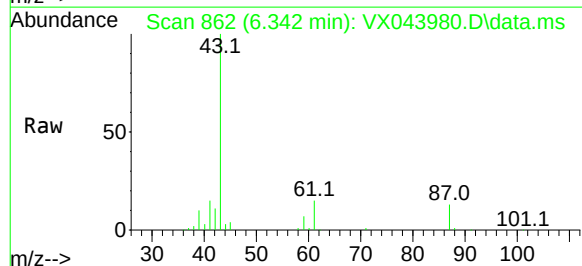
43 100

61 17.0 14.5 21.7

87 12.7 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#44

Trichloroethene

Concen: 16.124 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043980.D

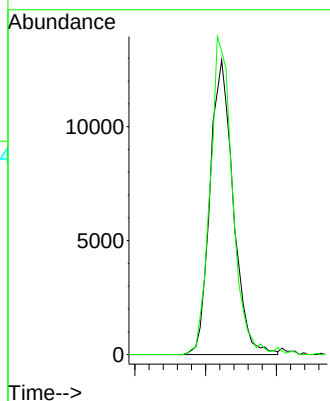
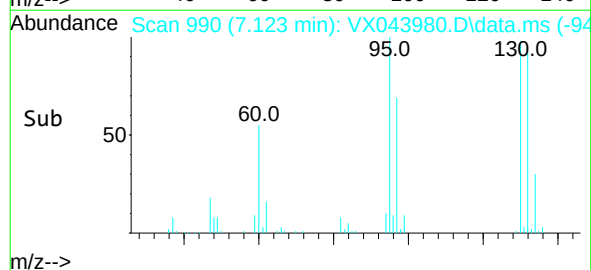
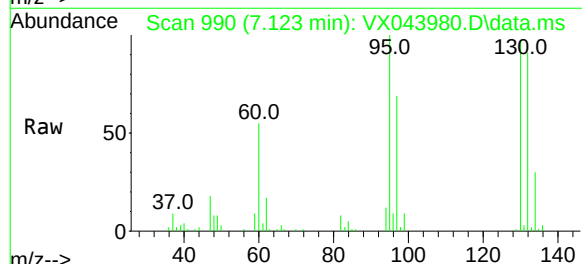
Acq: 25 Nov 2024 12:41

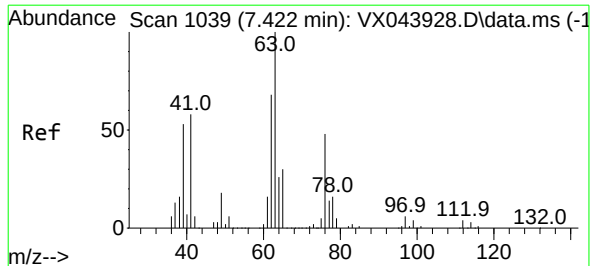
Tgt Ion:130 Resp: 29451

Ion Ratio Lower Upper

130 100

95 103.0 0.0 217.8





#45

1,2-Dichloropropane

Concen: 19.833 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 63 Resp: 31342

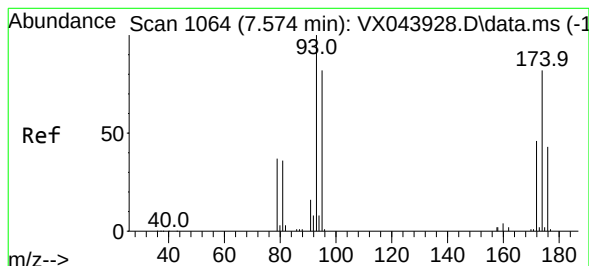
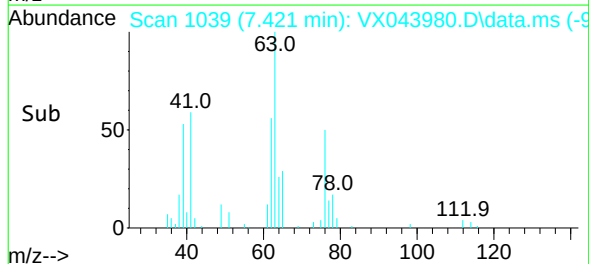
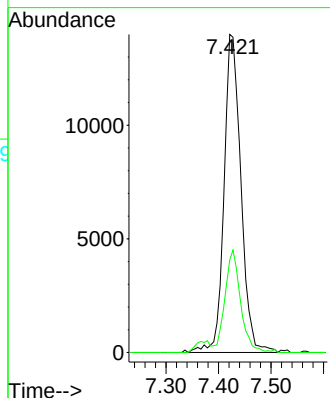
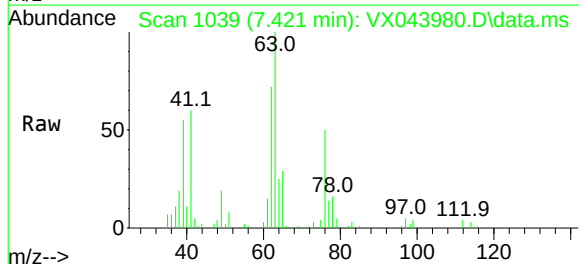
Ion Ratio Lower Upper

63 100

65 29.1 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#46

Dibromomethane

Concen: 19.103 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

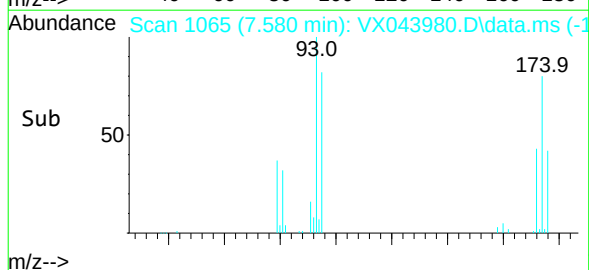
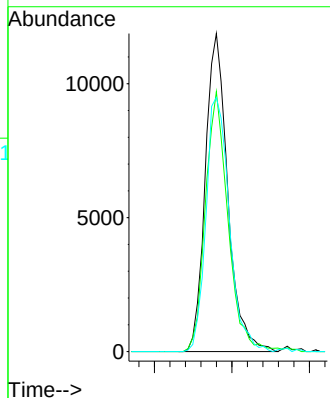
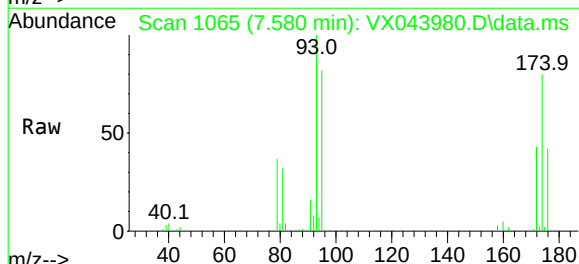
Tgt Ion: 93 Resp: 23880

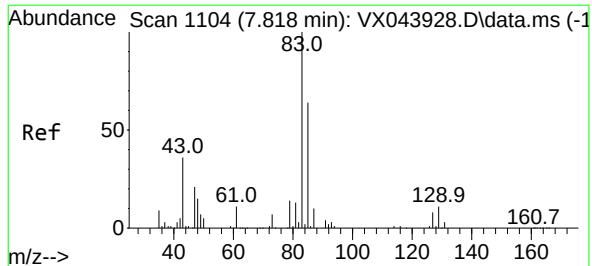
Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

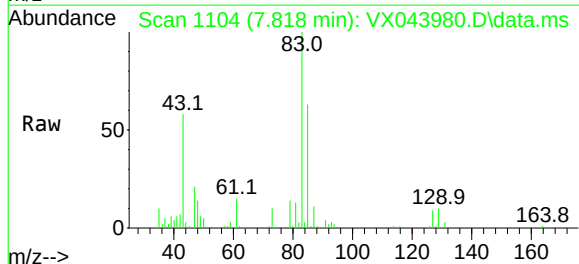
174 83.3 69.6 104.4





#47  
Bromodichloromethane  
Concen: 18.804 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

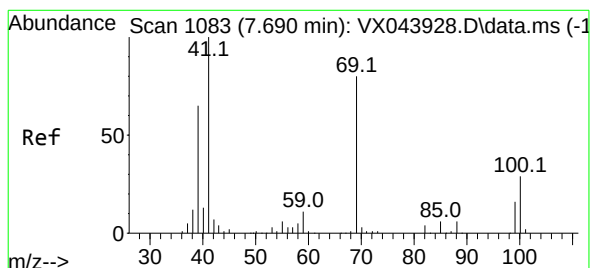
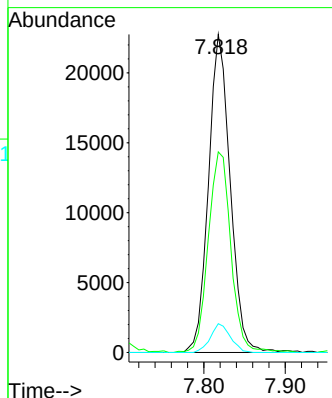
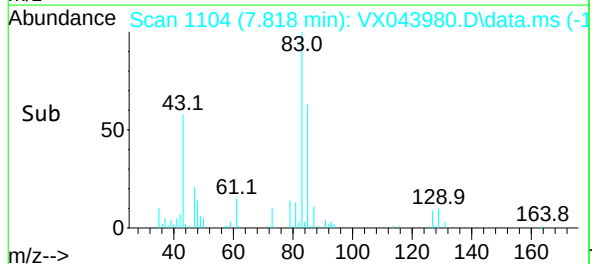
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01



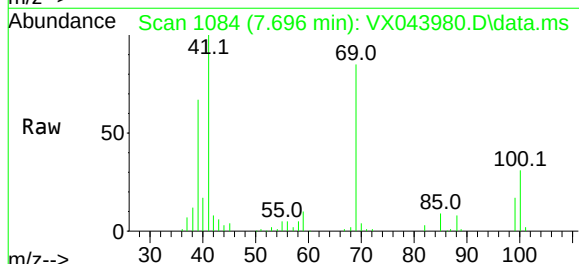
Tgt Ion: 83 Resp: 42158  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.4 77.0  
127 9.0 6.6 10.0

Manual Integrations  
APPROVED

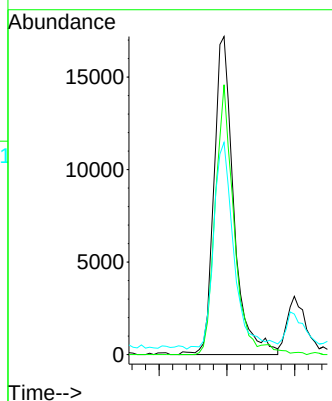
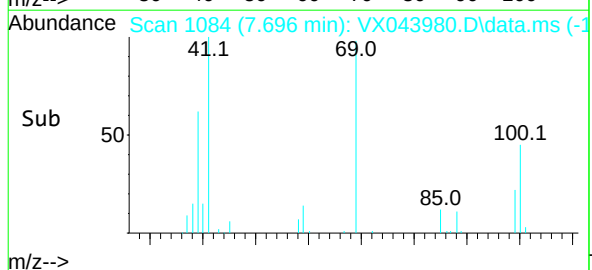
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



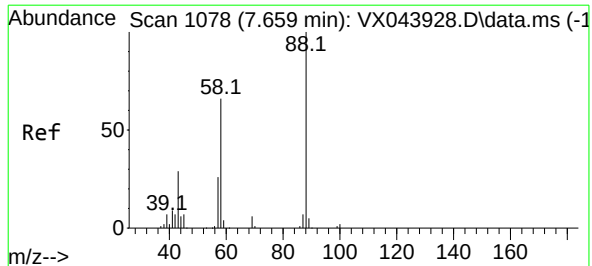
#48  
Methyl methacrylate  
Concen: 17.747 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41



Tgt Ion: 41 Resp: 34847  
Ion Ratio Lower Upper  
41 100  
69 81.1 64.6 97.0  
39 66.7 53.3 79.9







#49

1,4-Dioxane

Concen: 320.363 ug/l

RT: 7.671 min Scan# 1078

Delta R.T. 0.012 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 88 Resp: 11205

Ion Ratio Lower Upper

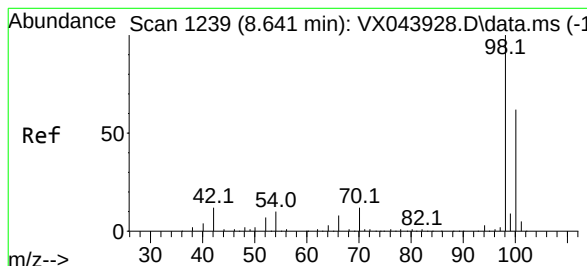
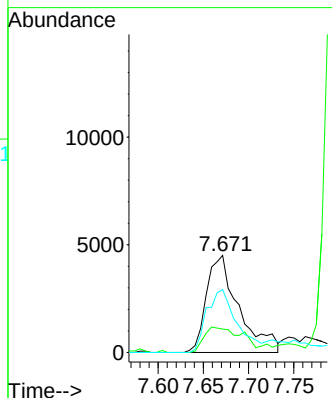
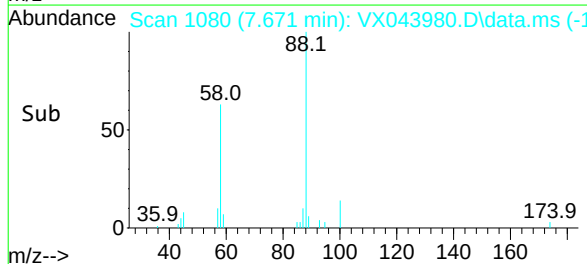
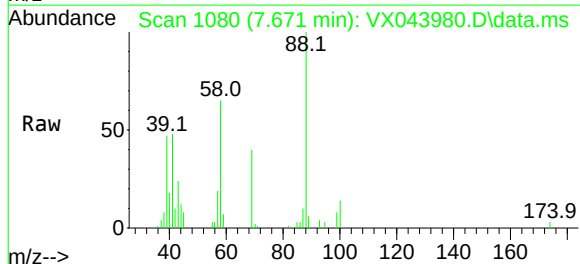
88 100

43 31.2 26.8 40.2

58 60.3 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#50

Toluene-d8

Concen: 48.822 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043980.D

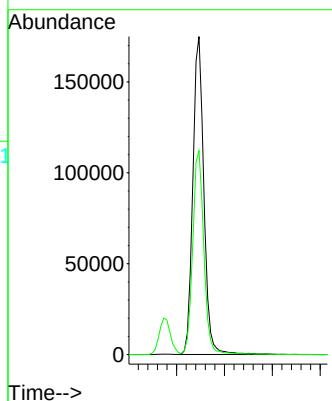
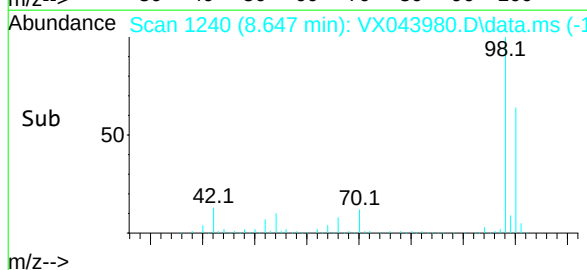
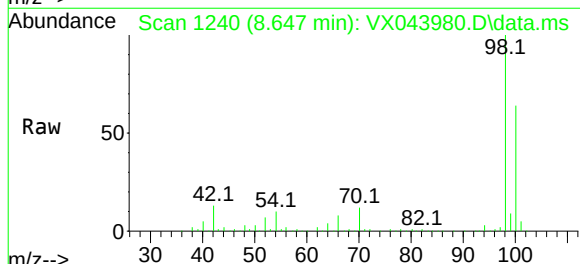
Acq: 25 Nov 2024 12:41

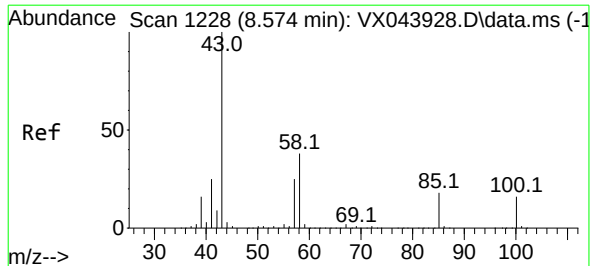
Tgt Ion: 98 Resp: 279748

Ion Ratio Lower Upper

98 100

100 64.9 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 92.377 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 230680

Ion Ratio Lower Upper

43 100

58 36.6 30.0 45.0

Instrument :

MSVOA\_X

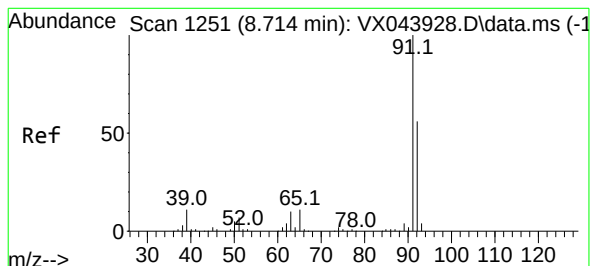
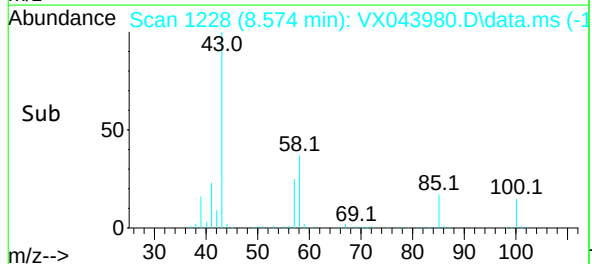
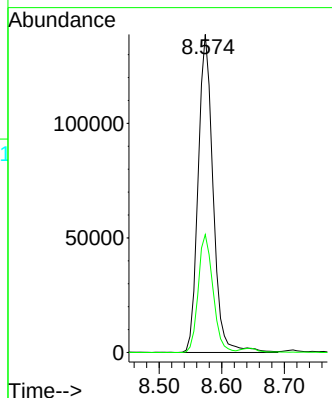
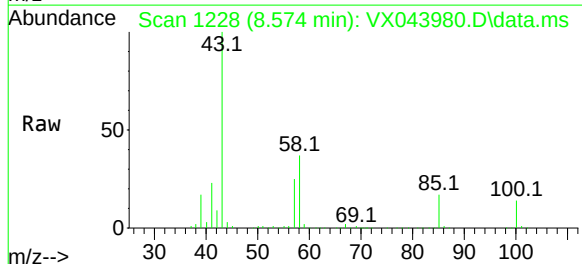
ClientSampleId :

VX1125WBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#52

Toluene

Concen: 19.100 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043980.D

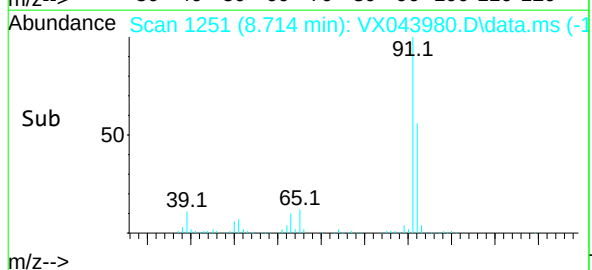
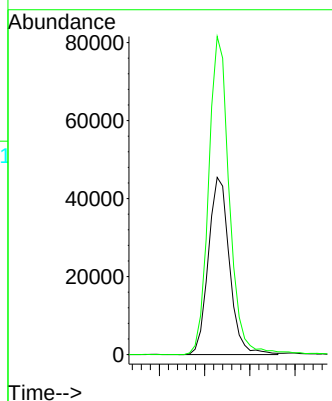
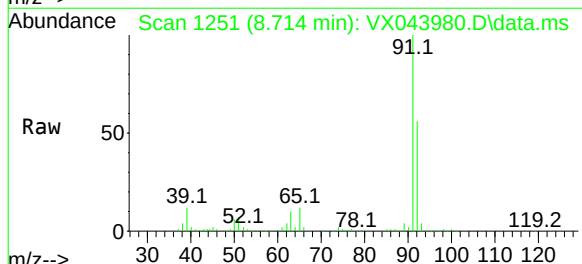
Acq: 25 Nov 2024 12:41

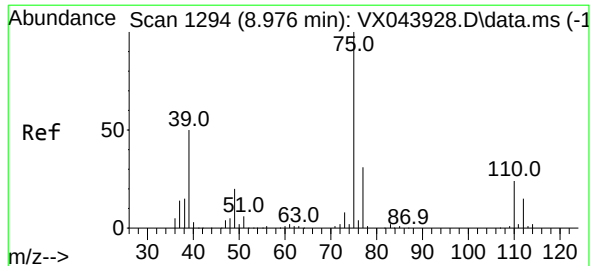
Tgt Ion: 92 Resp: 73761

Ion Ratio Lower Upper

92 100

91 177.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.157 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043980.D

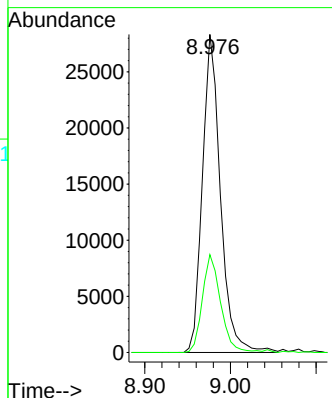
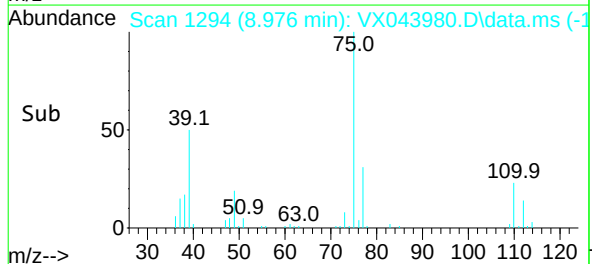
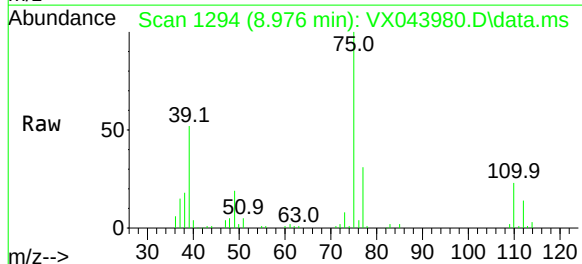
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 41513

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7



Instrument :

MSVOA\_X

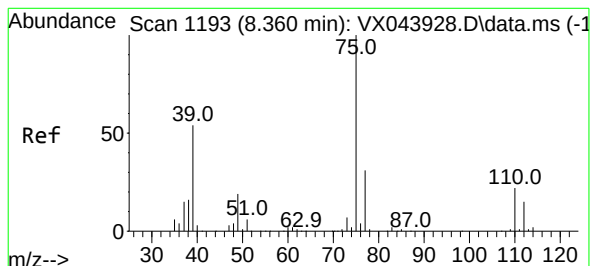
ClientSampleId :

VX1125WBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#54

cis-1,3-Dichloropropene

Concen: 18.559 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

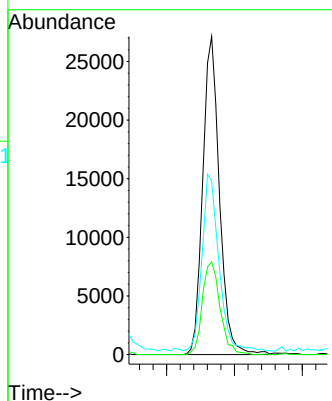
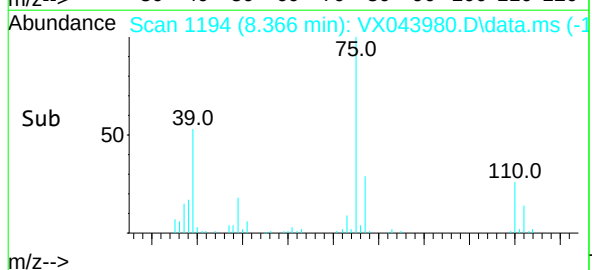
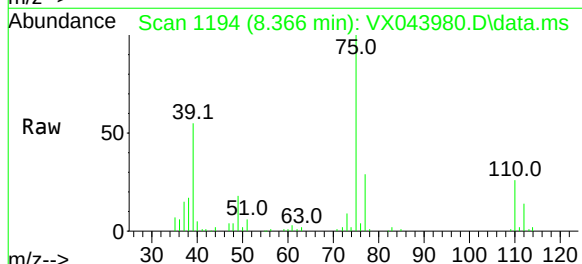
Tgt Ion: 75 Resp: 46516

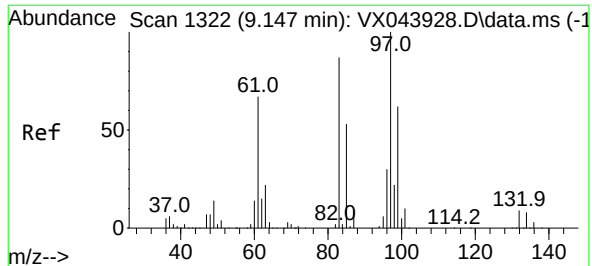
Ion Ratio Lower Upper

75 100

77 29.1 25.2 37.8

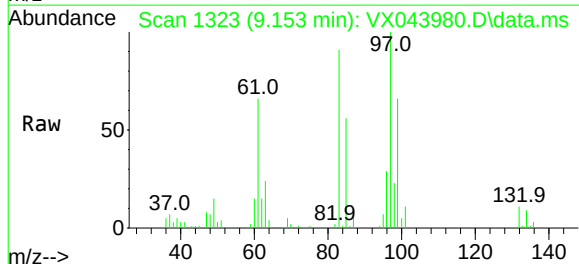
39 53.0 43.1 64.7





#55  
1,1,2-Trichloroethane  
Concen: 18.711 ug/l  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

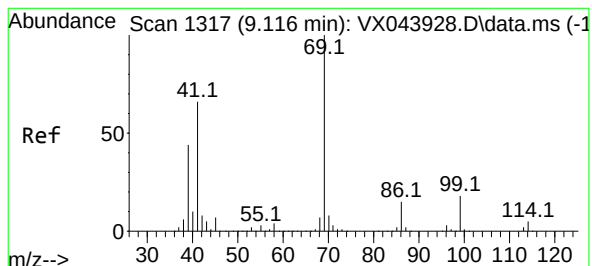
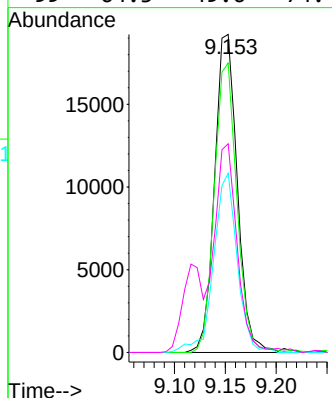
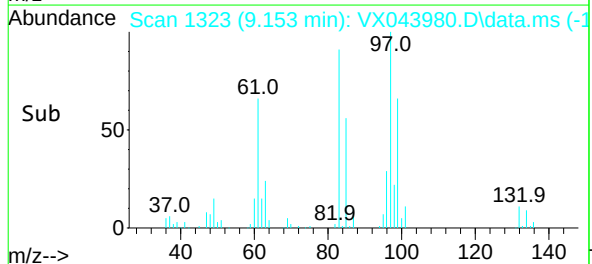
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01



Tgt Ion: 97 Resp: 29828  
Ion Ratio Lower Upper  
97 100  
83 91.0 69.4 104.0  
85 56.4 42.3 63.5  
99 64.3 49.6 74.4

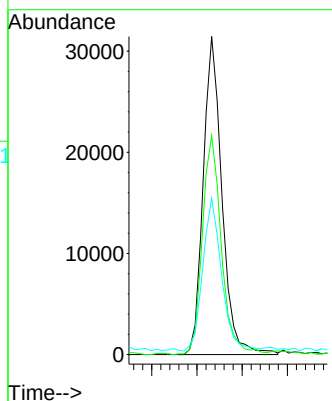
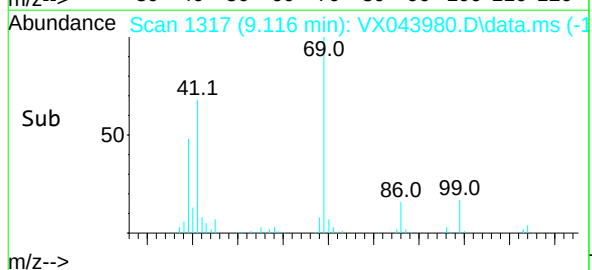
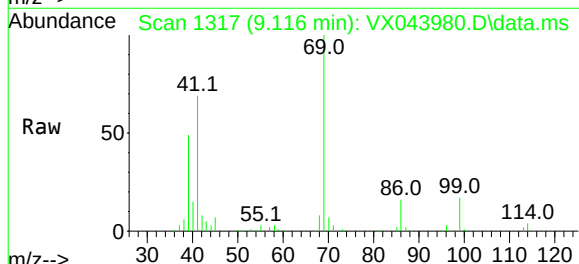
Manual Integrations  
APPROVED

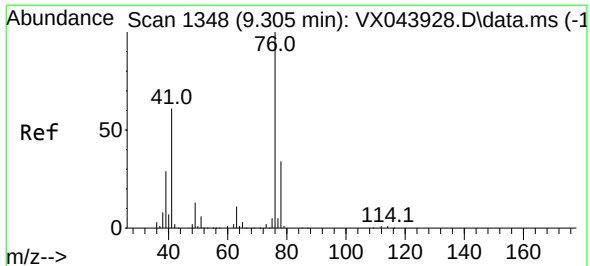
Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#56  
Ethyl methacrylate  
Concen: 18.265 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 69 Resp: 45352  
Ion Ratio Lower Upper  
69 100  
41 69.7 55.8 83.8  
39 48.4 36.7 55.1





#57

1,3-Dichloropropane

Concen: 19.493 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX043980.D

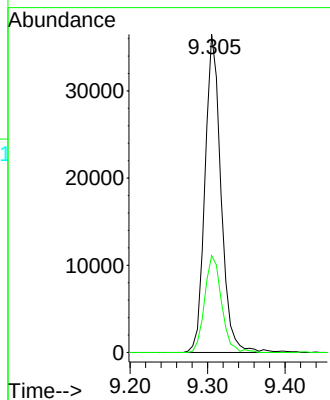
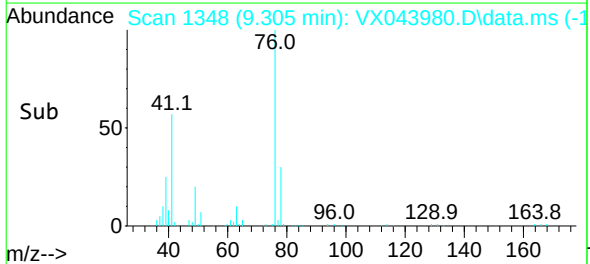
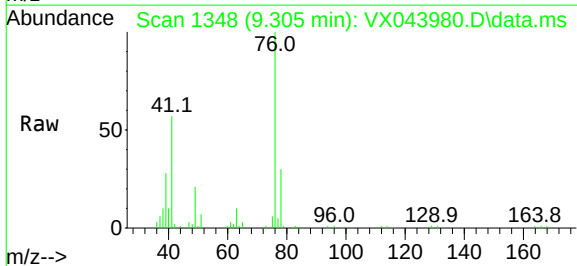
Acq: 25 Nov 2024 12:41

Tgt Ion: 76 Resp: 52347

Ion Ratio Lower Upper

76 100

78 32.1 26.0 39.0



Instrument :

MSVOA\_X

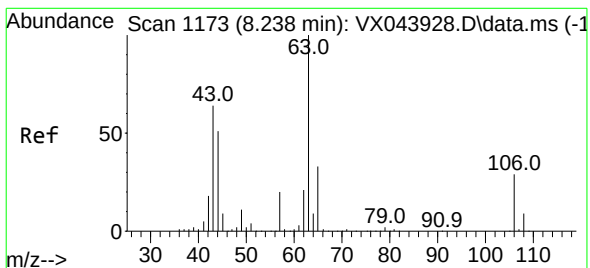
ClientSampleId :

VX1125WBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#58

2-Chloroethyl Vinyl ether

Concen: 76.406 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043980.D

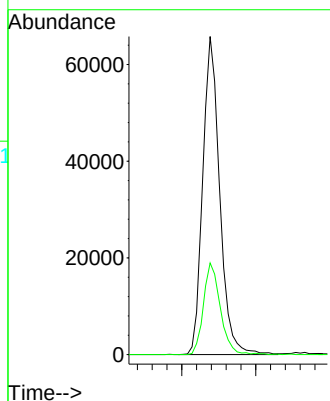
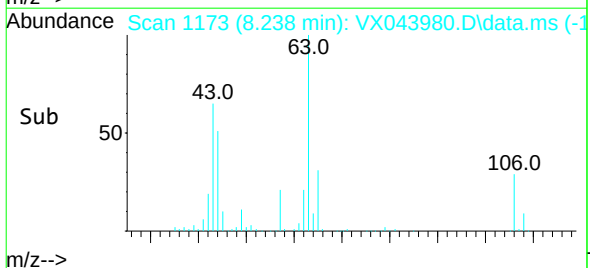
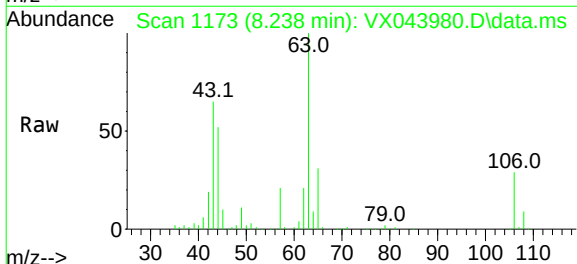
Acq: 25 Nov 2024 12:41

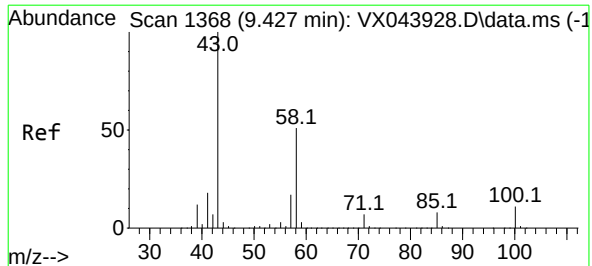
Tgt Ion: 63 Resp: 104808

Ion Ratio Lower Upper

63 100

106 28.7 23.0 34.6





#59

2-Hexanone

Concen: 90.646 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 170135

Ion Ratio Lower Upper

43 100

58 50.9 25.9 77.6

Instrument :

MSVOA\_X

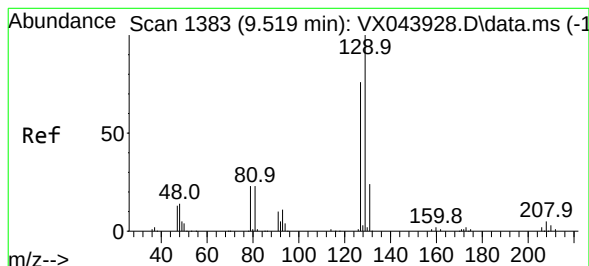
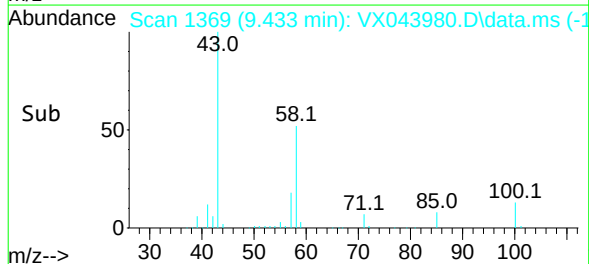
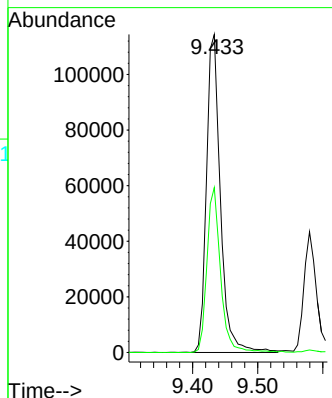
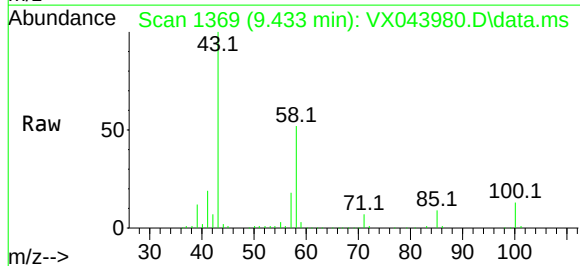
ClientSampleId :

VX1125WBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#60

Dibromochloromethane

Concen: 17.922 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043980.D

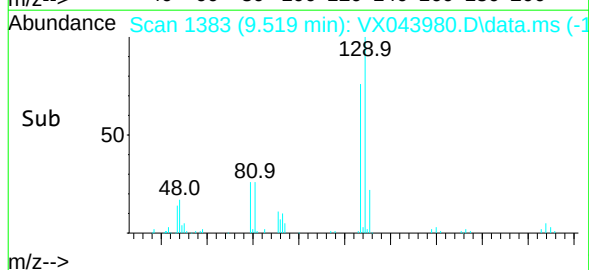
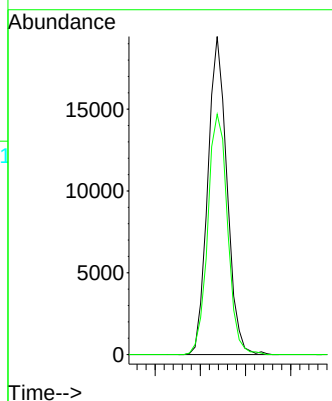
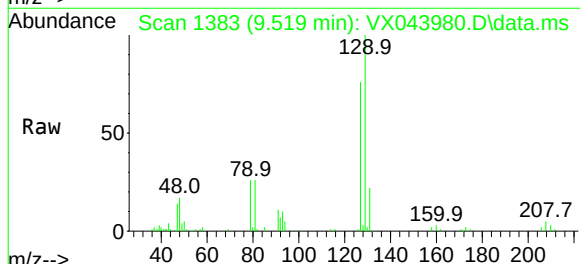
Acq: 25 Nov 2024 12:41

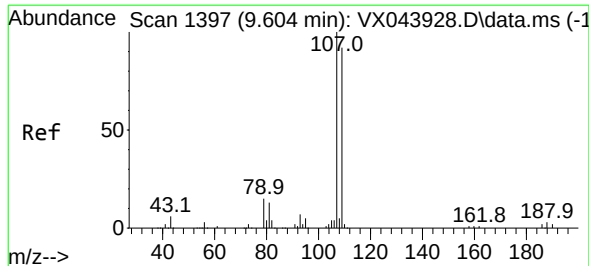
Tgt Ion:129 Resp: 28665

Ion Ratio Lower Upper

129 100

127 78.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 18.503 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:107 Resp: 29826

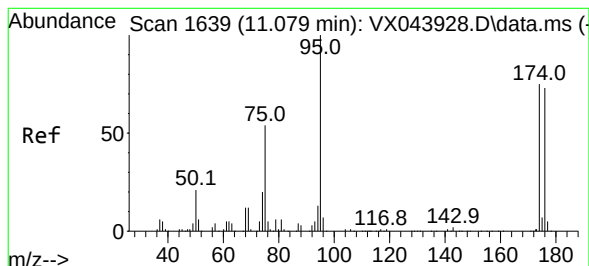
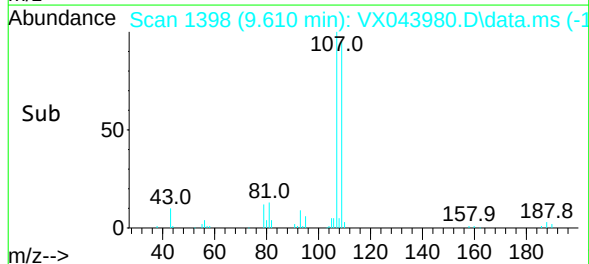
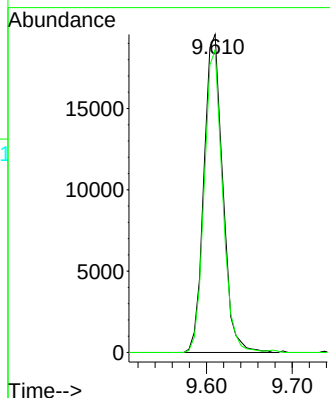
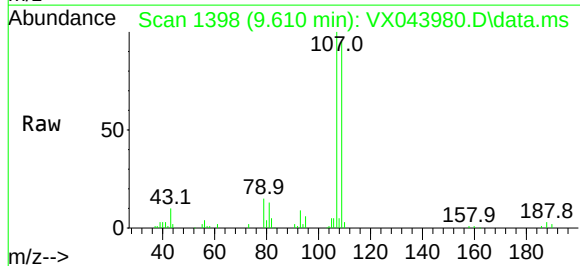
Ion Ratio Lower Upper

107 100

109 92.7 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#62

4-Bromofluorobenzene

Concen: 47.296 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

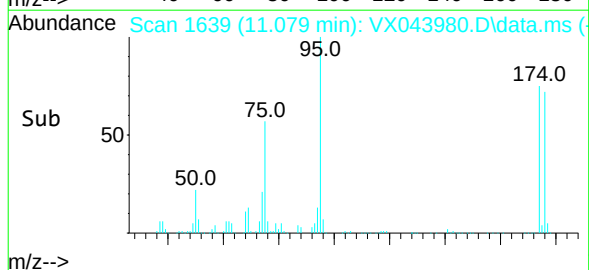
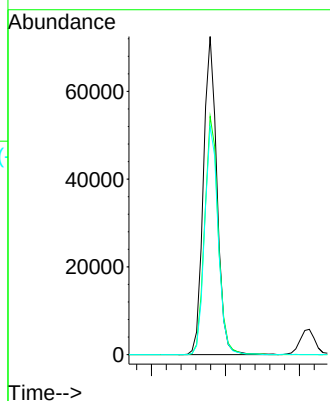
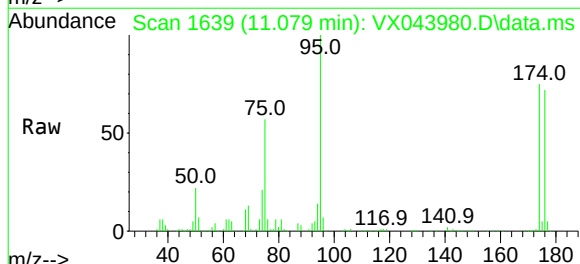
Tgt Ion: 95 Resp: 92231

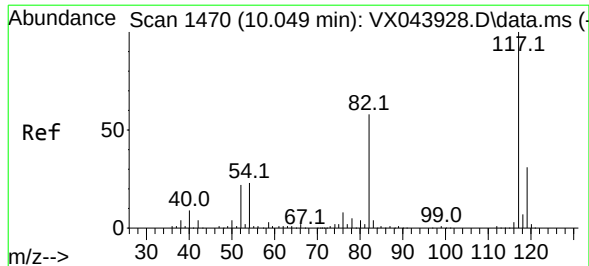
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.4

176 71.7 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:117 Resp: 200729

Ion Ratio Lower Upper

117 100

82 60.0 46.4 69.6

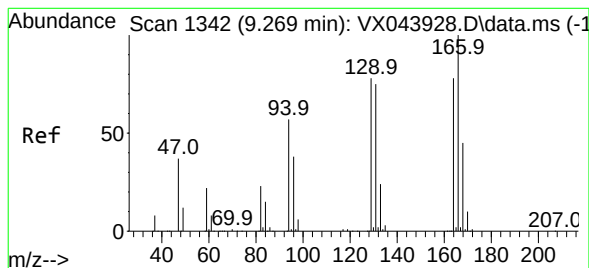
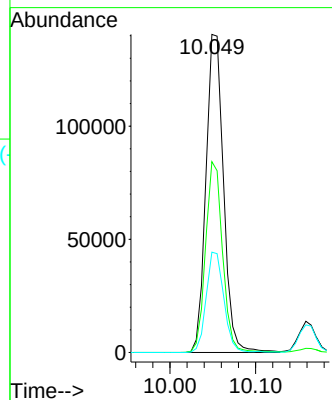
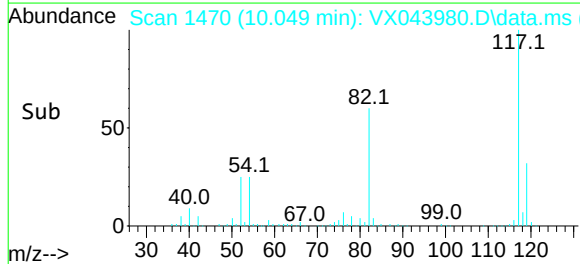
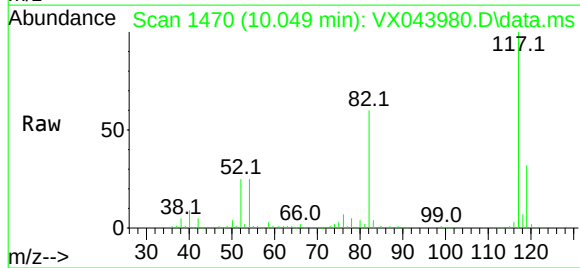
119 31.5 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#64

Tetrachloroethene

Concen: 18.065 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Tgt Ion:164 Resp: 23911

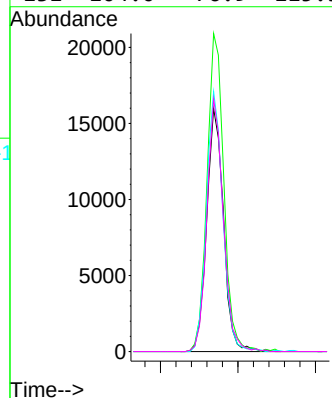
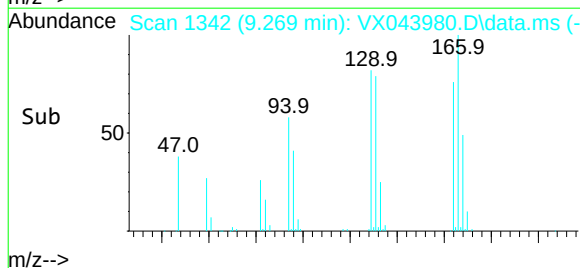
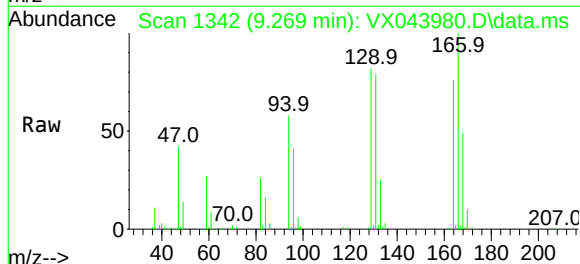
Ion Ratio Lower Upper

164 100

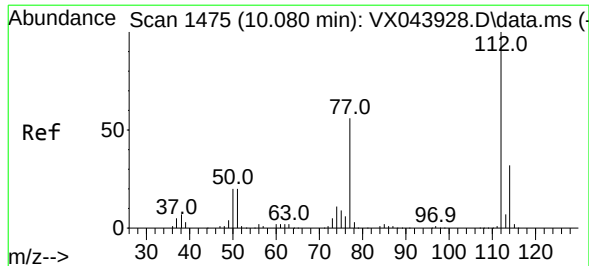
166 130.9 102.1 153.1

129 107.0 79.6 119.4

131 104.0 76.9 115.3







#65

Chlorobenzene

Concen: 18.597 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:112 Resp: 81986

Ion Ratio Lower Upper

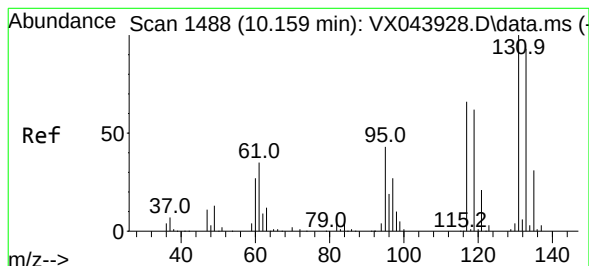
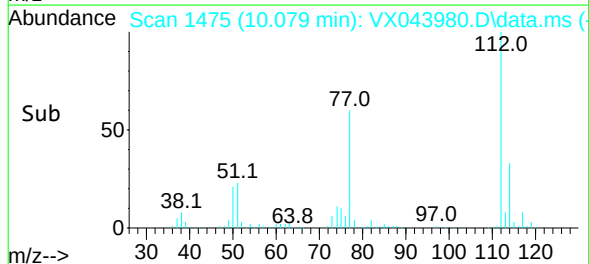
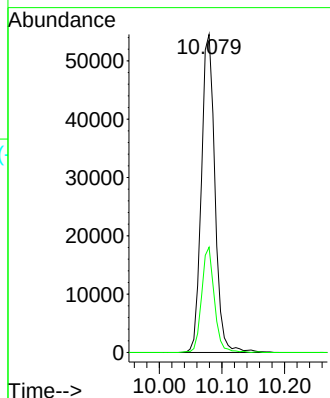
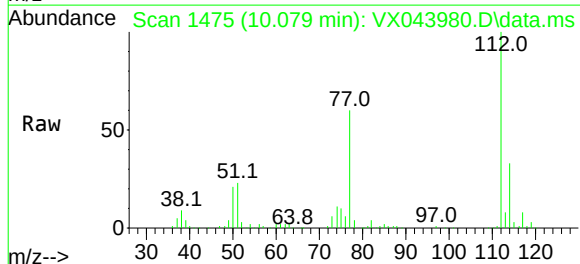
112 100

114 33.1 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 19.076 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

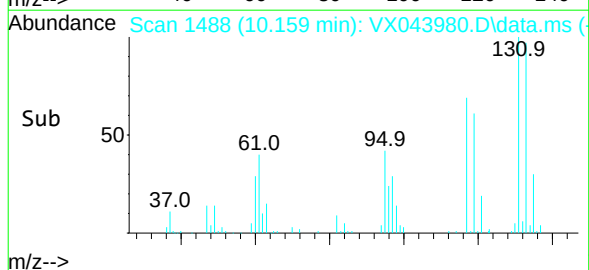
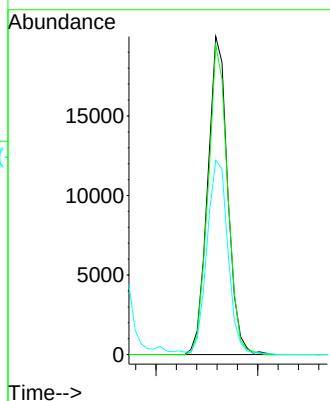
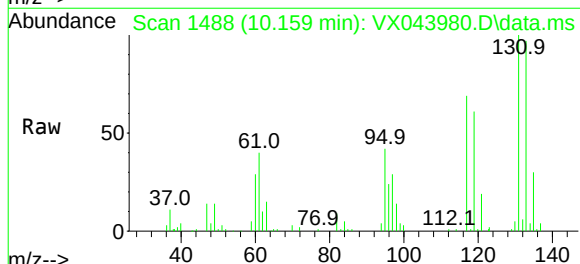
Tgt Ion:131 Resp: 27274

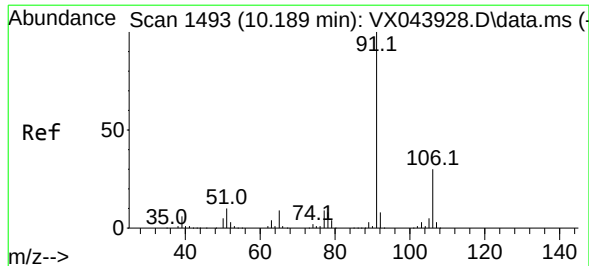
Ion Ratio Lower Upper

131 100

133 95.2 48.2 144.6

119 64.2 31.5 94.5





#67

Ethyl Benzene

Concen: 18.608 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043980.D

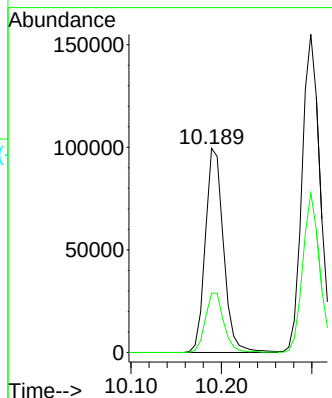
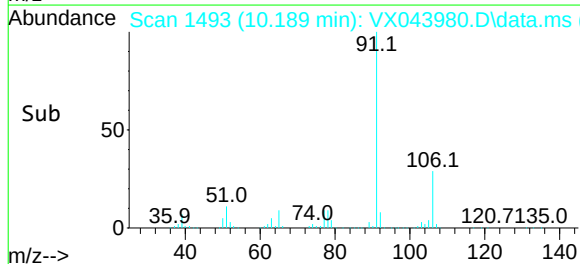
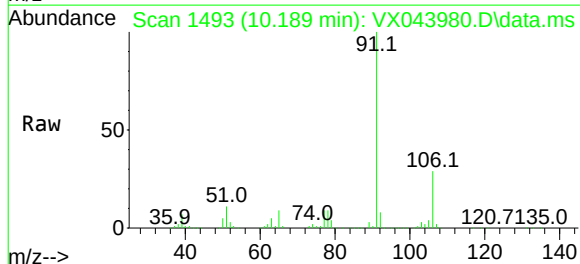
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 139010

Ion Ratio Lower Upper

91 100

106 29.1 23.6 35.4



Instrument :

MSVOA\_X

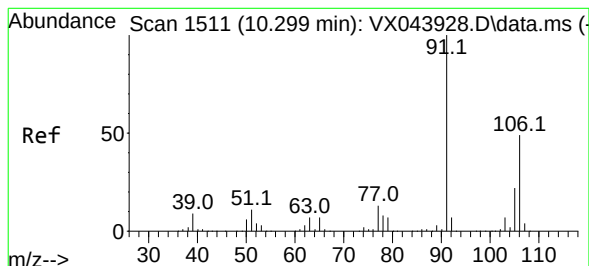
ClientSampleId :

VX1125WBS01

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#68

m/p-Xylenes

Concen: 37.328 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043980.D

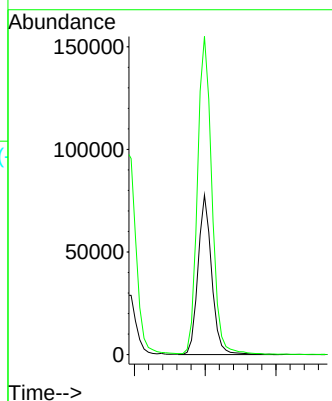
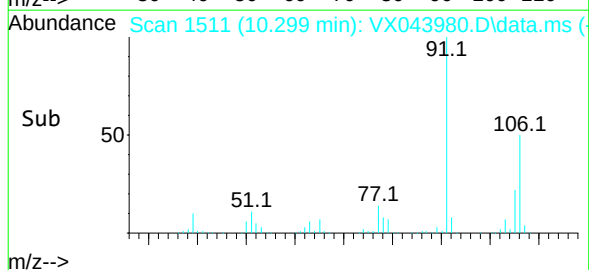
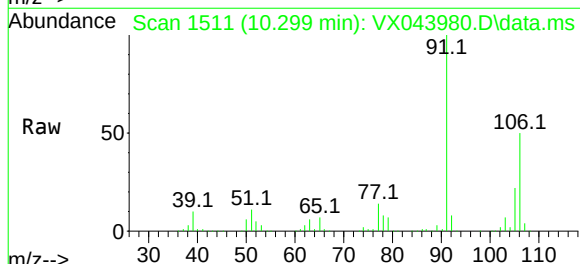
Acq: 25 Nov 2024 12:41

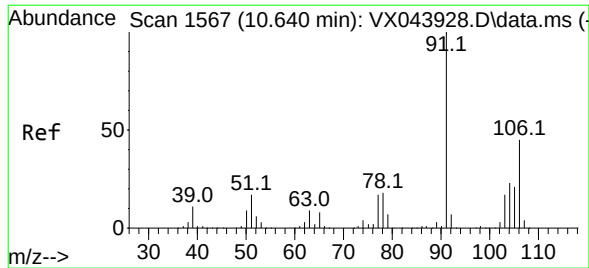
Tgt Ion:106 Resp: 103991

Ion Ratio Lower Upper

106 100

91 209.3 168.1 252.1





#69

o-Xylene

Concen: 18.698 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:106 Resp: 50858

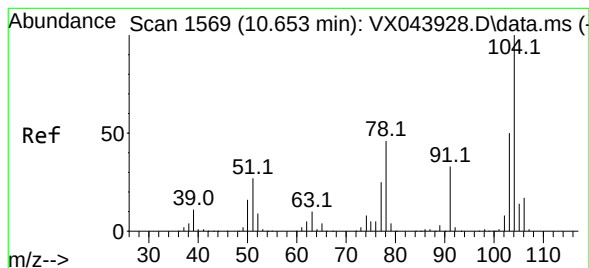
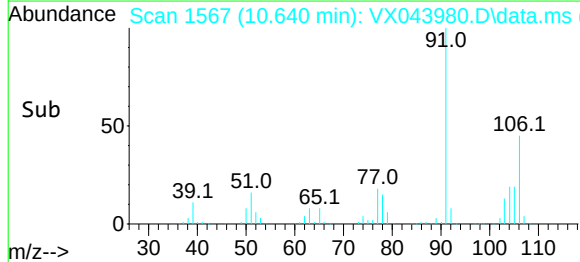
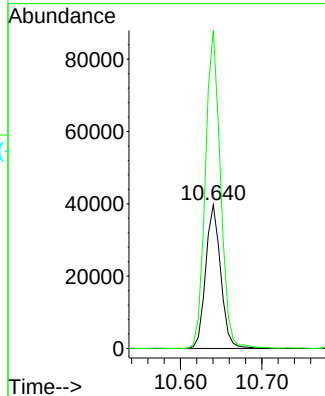
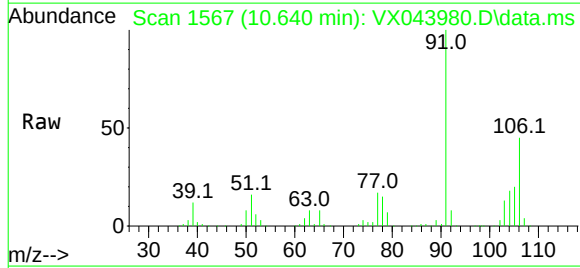
Ion Ratio Lower Upper

106 100

91 223.9 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#70

Styrene

Concen: 18.638 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

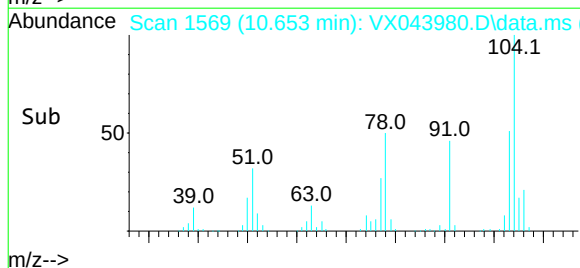
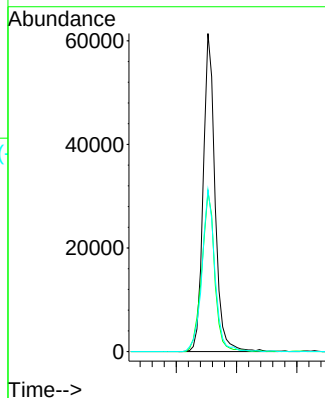
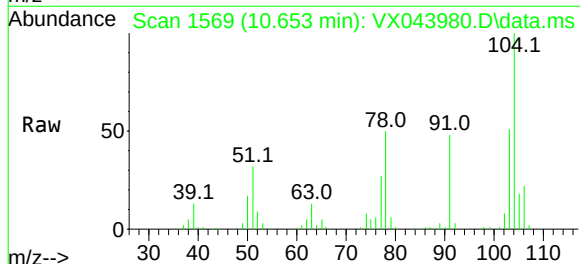
Tgt Ion:104 Resp: 83849

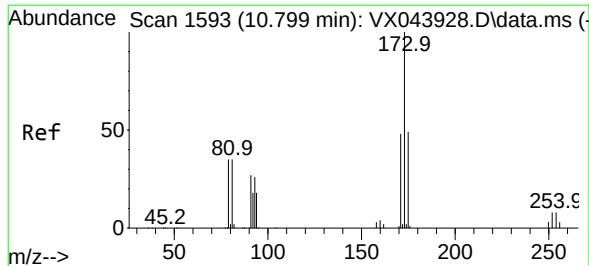
Ion Ratio Lower Upper

104 100

78 54.6 42.2 63.2

103 55.6 44.7 67.1





#71

Bromoform

Concen: 15.994 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

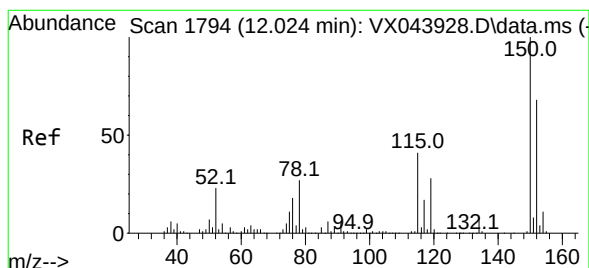
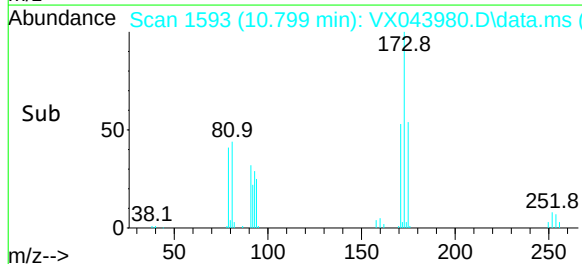
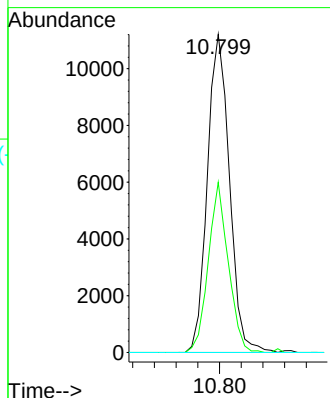
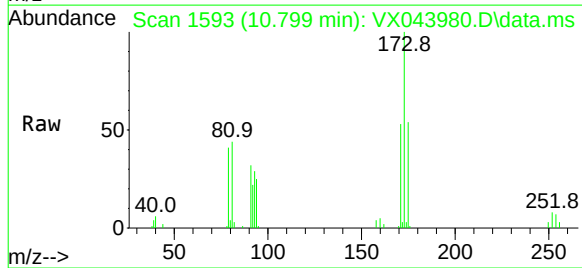
ClientSampleId :

VX1125WBS01

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:173 | Resp: | 15846 |
| Ion | Ratio   | Lower | Upper |
| 173 | 100     |       |       |
| 175 | 48.4    | 24.1  | 72.2  |
| 254 | 0.0     | 0.0   | 0.0   |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

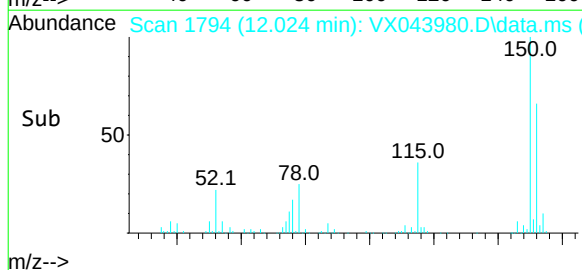
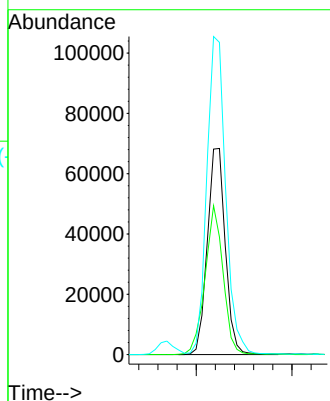
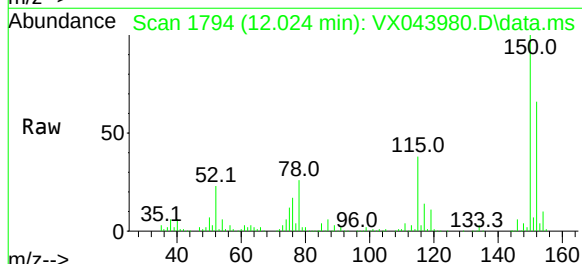
RT: 12.024 min Scan# 1794

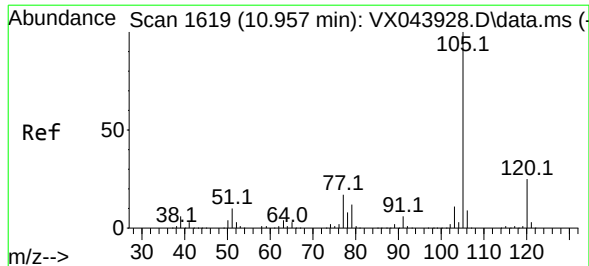
Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:152 | Resp: | 89446 |
| Ion | Ratio   | Lower | Upper |
| 152 | 100     |       |       |
| 115 | 72.4    | 45.4  | 136.2 |
| 150 | 161.3   | 0.0   | 353.0 |





#73

Isopropylbenzene

Concen: 19.035 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 105 Resp: 130876

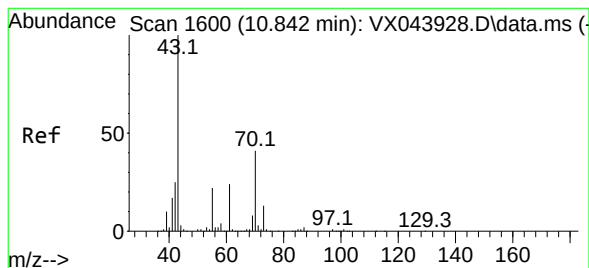
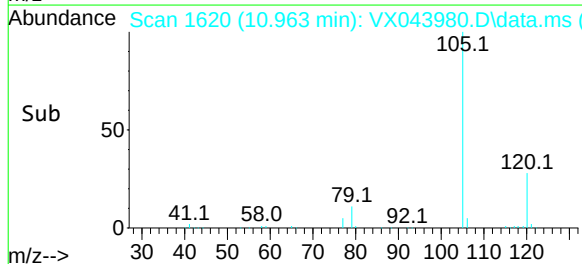
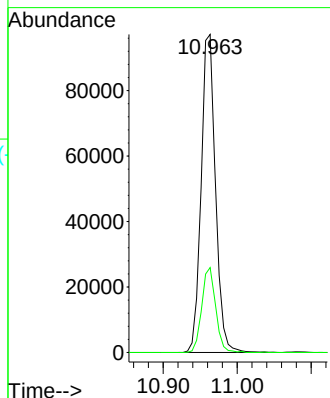
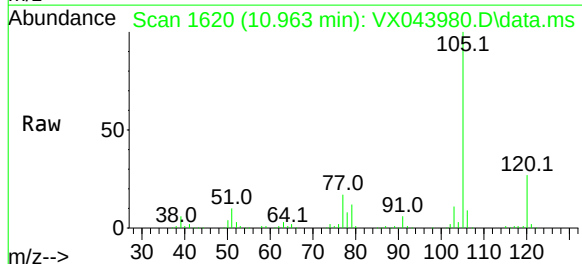
Ion Ratio Lower Upper

105 100

120 25.9 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#74

N-ethyl acetate

Concen: 17.857 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 56876

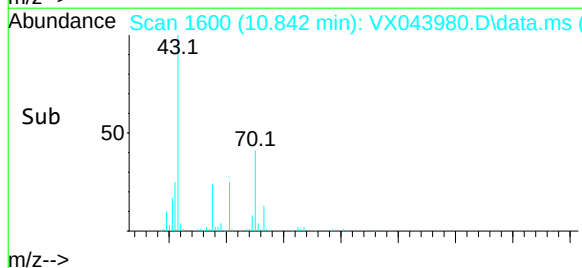
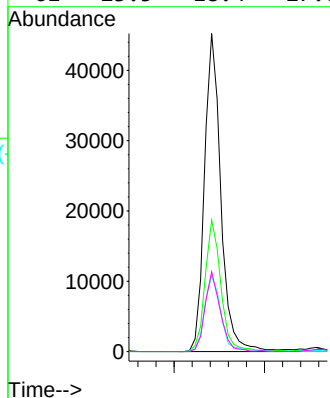
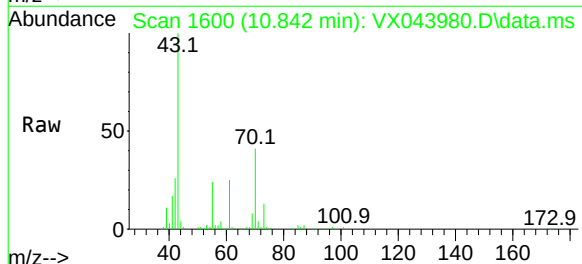
Ion Ratio Lower Upper

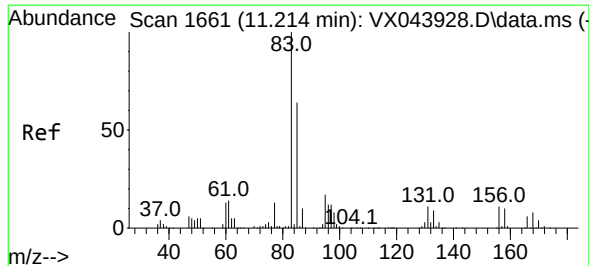
43 100

70 40.2 32.2 48.2

55 24.0 18.1 27.1

61 23.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 19.121 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 83 Resp: 45016

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

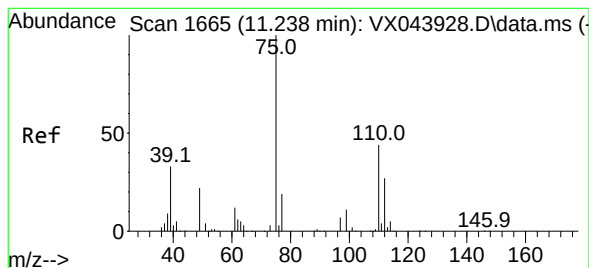
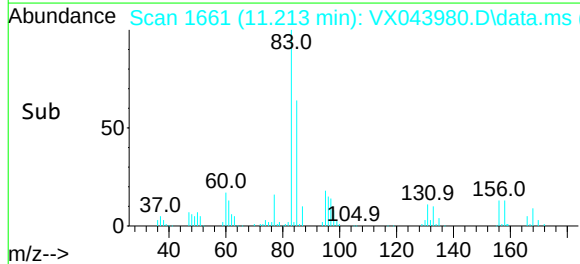
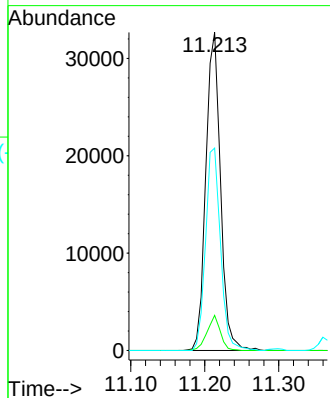
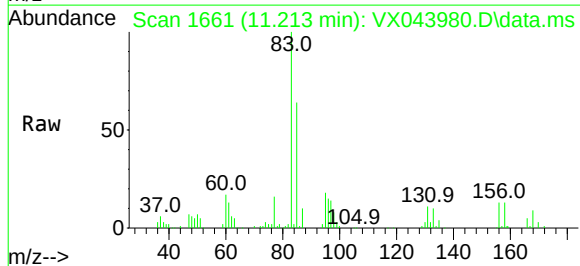
85 64.8 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024

Supervised By :Semsettin Yesilyurt 11/26/2024



#76

1,2,3-Trichloropropane

Concen: 19.015 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043980.D

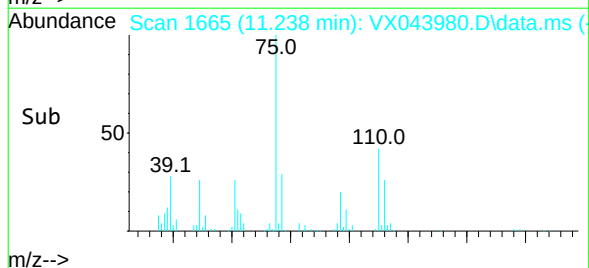
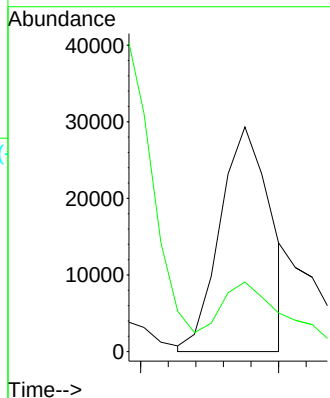
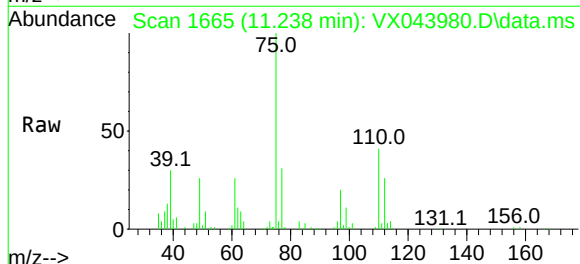
Acq: 25 Nov 2024 12:41

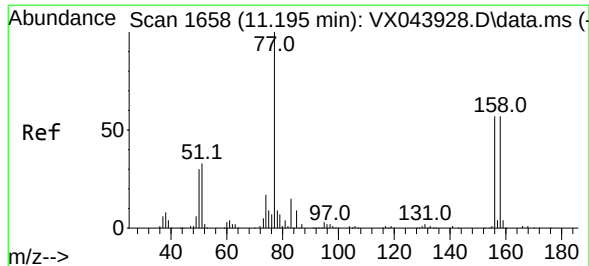
Tgt Ion: 75 Resp: 37299

Ion Ratio Lower Upper

75 100

77 41.4 21.8 65.3





#77

Bromobenzene

Concen: 18.980 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

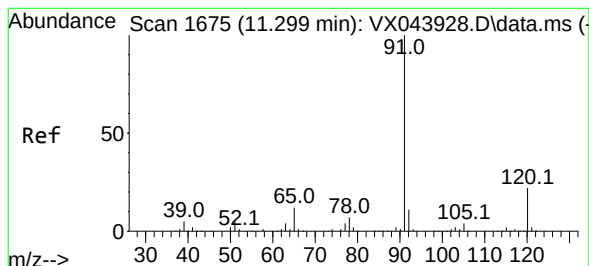
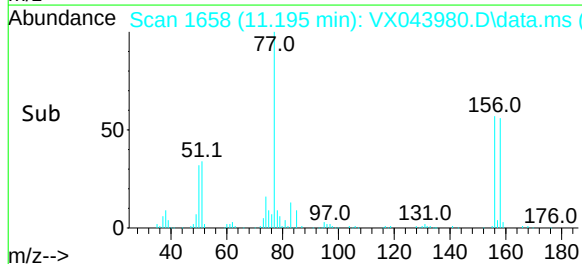
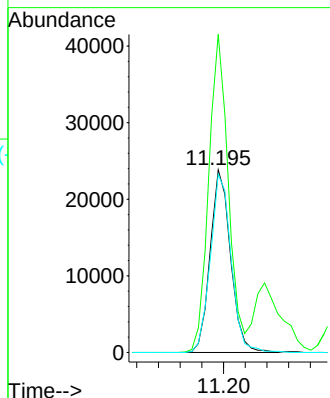
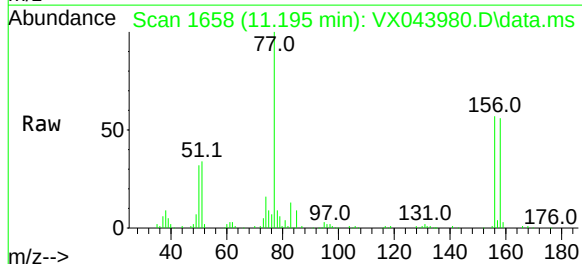
Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 156   | Resp: | 31131 |
| Ion      | Ratio | Lower | Upper |
| 156      | 100   |       |       |
| 77       | 167.2 | 83.4  | 250.1 |
| 158      | 99.3  | 47.6  | 142.8 |

**Manual Integrations**  
**APPROVED**Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#78

n-propylbenzene

Concen: 18.970 ug/l

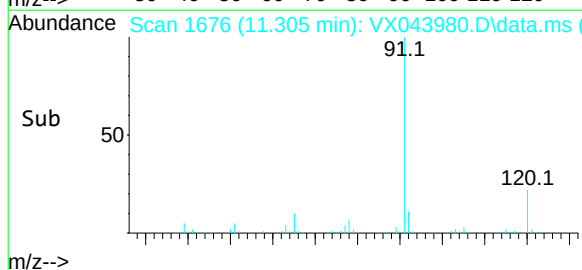
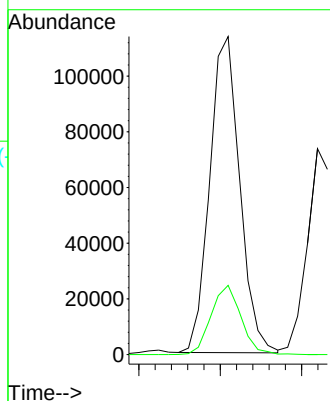
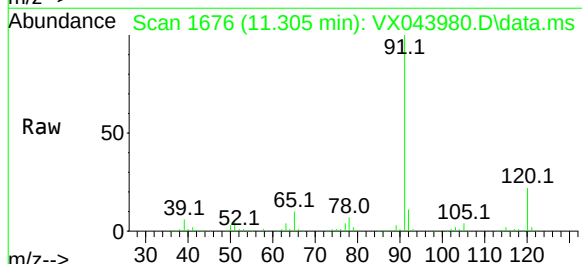
RT: 11.305 min Scan# 1676

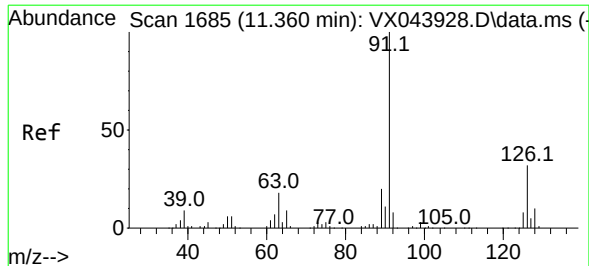
Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 91    | Resp: | 145673 |
| Ion      | Ratio | Lower | Upper  |
| 91       | 100   |       |        |
| 120      | 21.9  | 11.5  | 34.4   |





#79

2-Chlorotoluene

Concen: 19.116 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 91 Resp: 92824

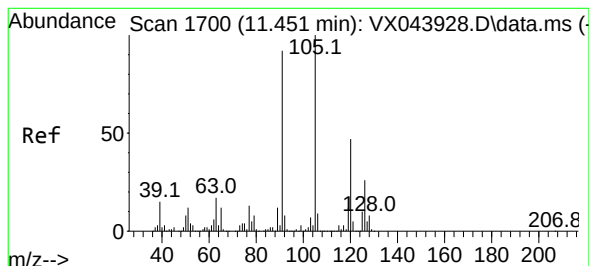
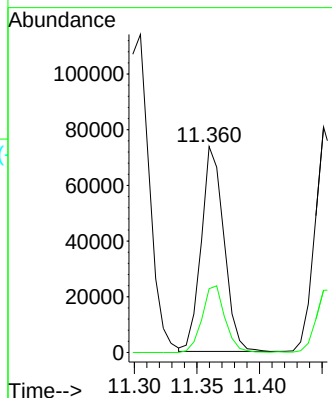
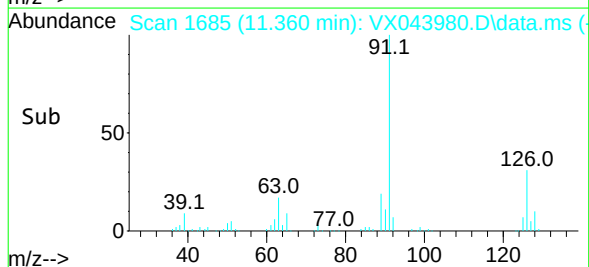
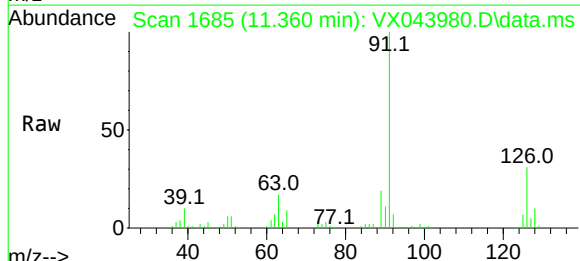
Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#80

1,3,5-Trimethylbenzene

Concen: 19.841 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043980.D

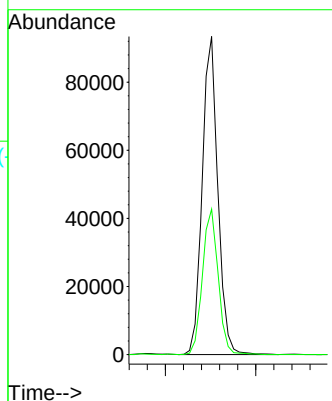
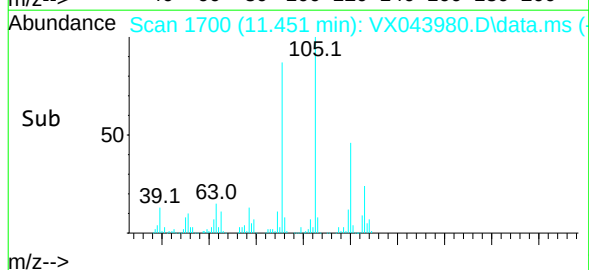
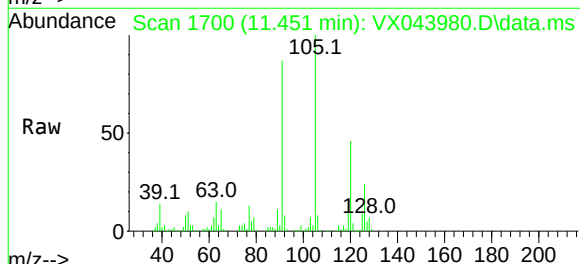
Acq: 25 Nov 2024 12:41

Tgt Ion:105 Resp: 112233

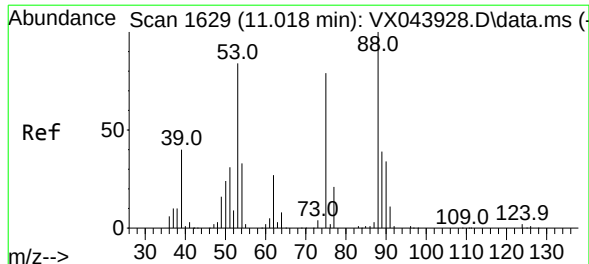
Ion Ratio Lower Upper

105 100

120 46.0 23.3 69.8







#81

trans-1,4-Dichloro-2-butene

Concen: 15.407 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 75 Resp: 11075

Ion Ratio Lower Upper

75 100

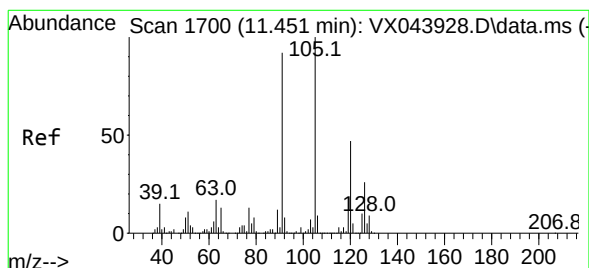
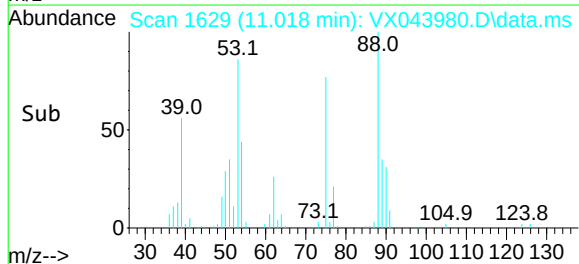
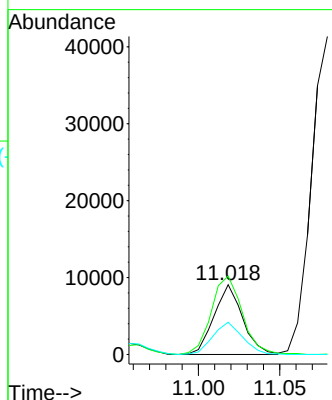
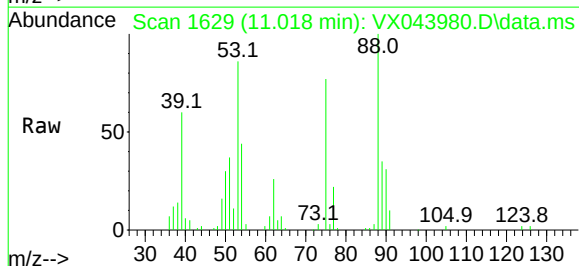
53 122.3 86.7 130.1

89 48.2 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#82

4-Chlorotoluene

Concen: 19.100 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043980.D

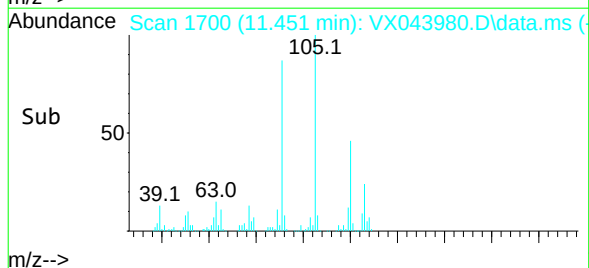
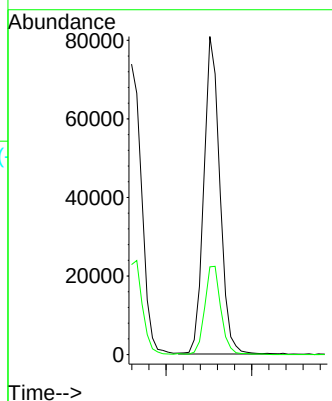
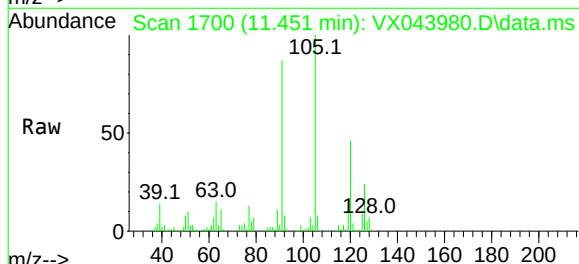
Acq: 25 Nov 2024 12:41

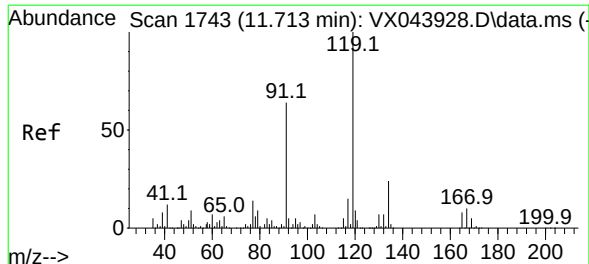
Tgt Ion: 91 Resp: 104709

Ion Ratio Lower Upper

91 100

126 28.4 14.3 42.9





#83

tert-Butylbenzene

Concen: 19.150 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:119 Resp: 107369

Ion Ratio Lower Upper

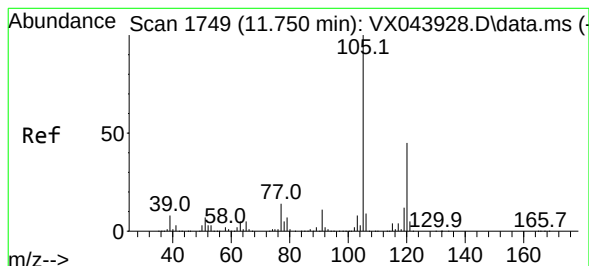
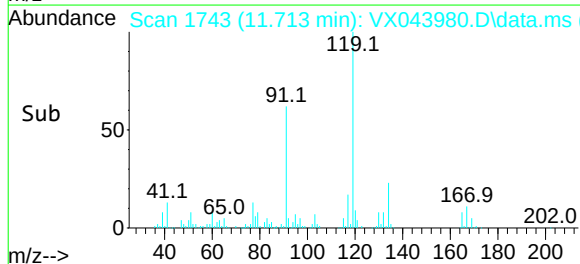
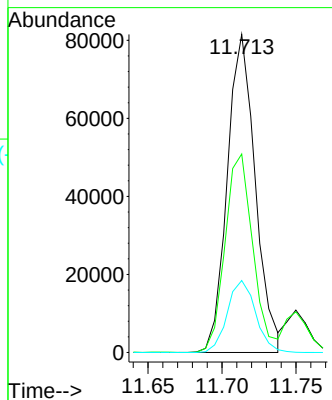
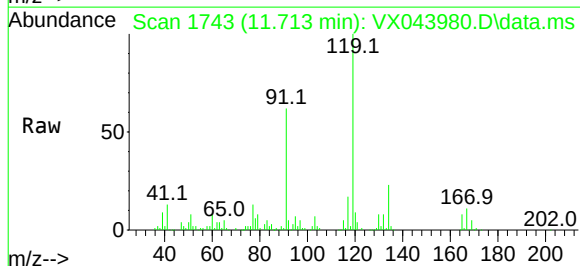
119 100

91 62.1 31.0 93.0

134 22.9 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#84

1,2,4-Trimethylbenzene

Concen: 19.806 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043980.D

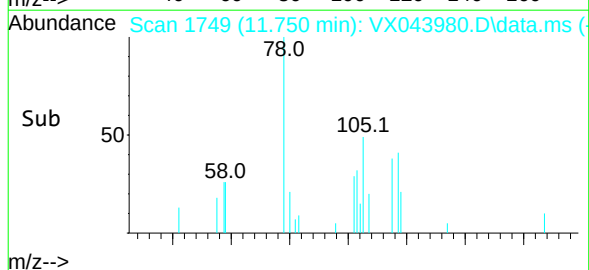
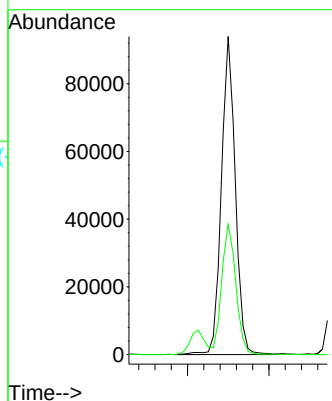
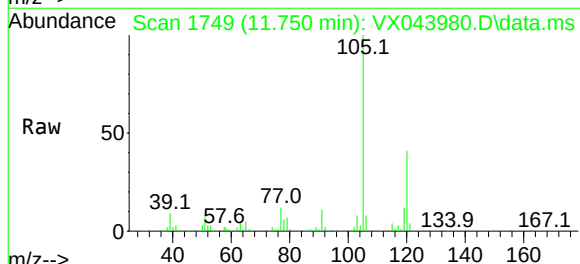
Acq: 25 Nov 2024 12:41

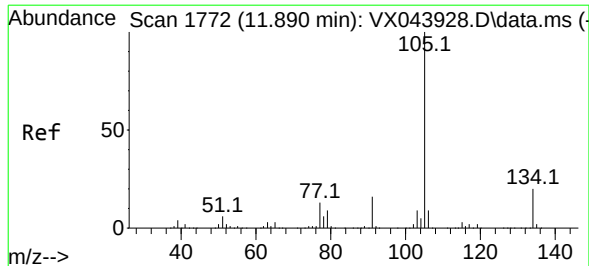
Tgt Ion:105 Resp: 111539

Ion Ratio Lower Upper

105 100

120 41.4 21.9 65.7





#85

sec-Butylbenzene

Concen: 18.313 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:105 Resp: 125802

Ion Ratio Lower Upper

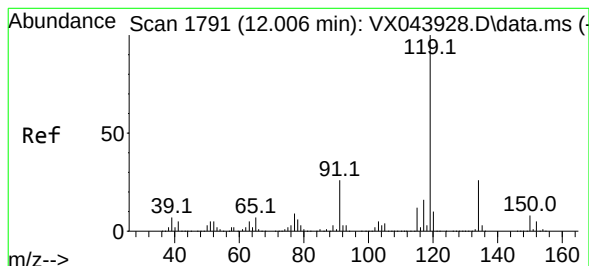
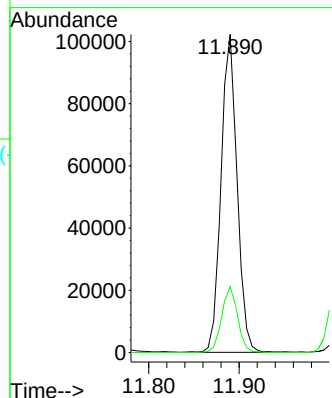
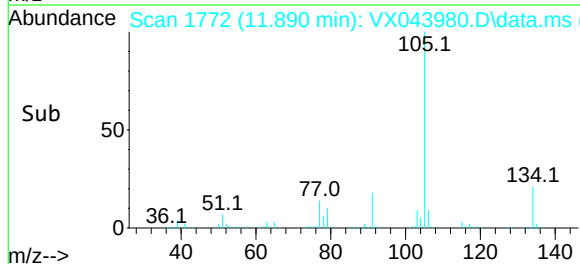
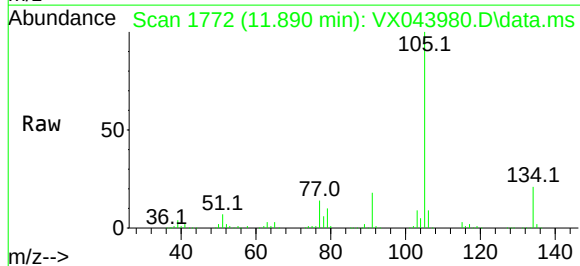
105 100

134 20.5 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#86

p-Isopropyltoluene

Concen: 19.454 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

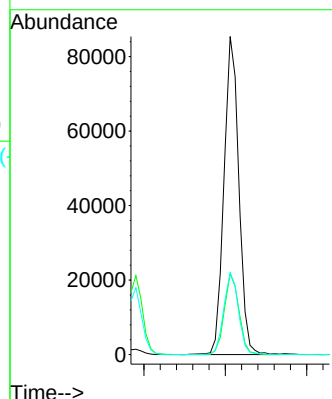
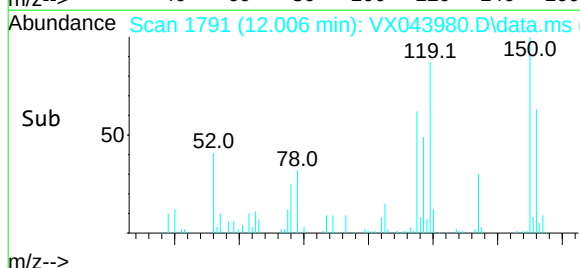
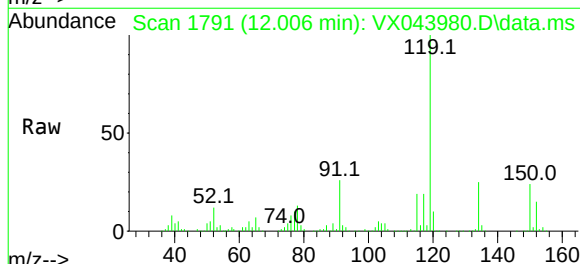
Tgt Ion:119 Resp: 108552

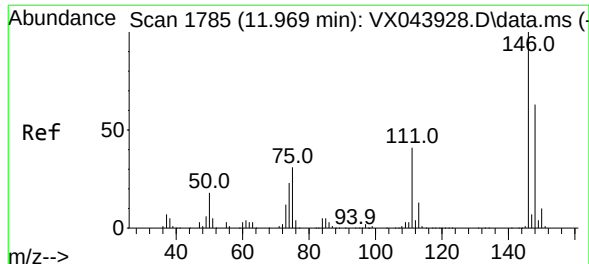
Ion Ratio Lower Upper

119 100

134 24.9 13.0 38.9

91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 18.623 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

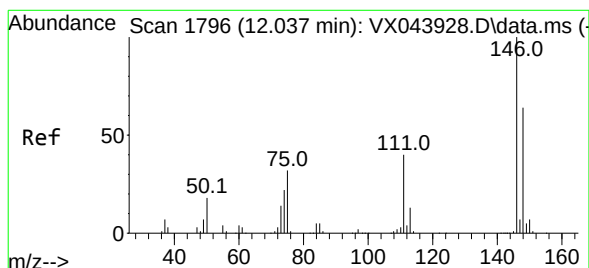
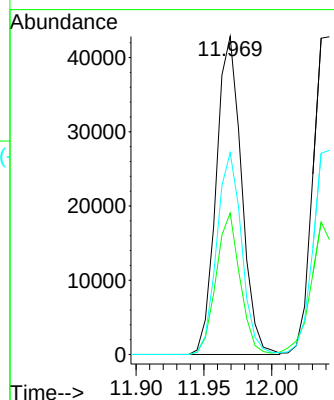
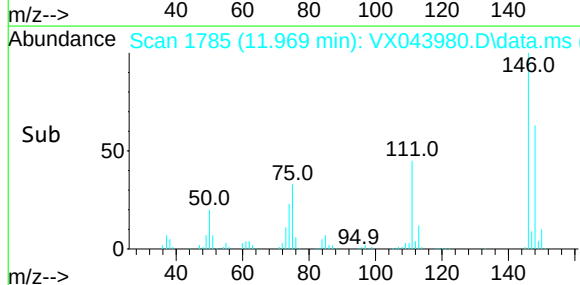
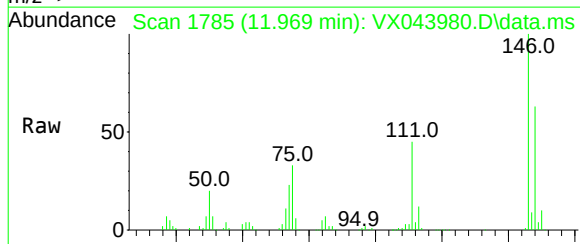
ClientSampleId :

VX1125WBS01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 55631 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.1  | 21.1  | 63.3  |
| 148       | 62.2  | 31.7  | 95.1  |

Manual Integrations  
APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#88

1,4-Dichlorobenzene

Concen: 18.474 ug/l

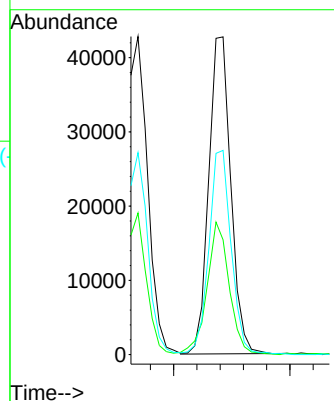
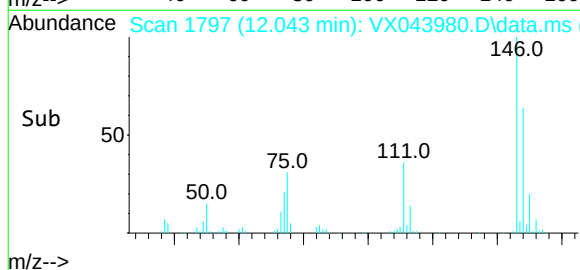
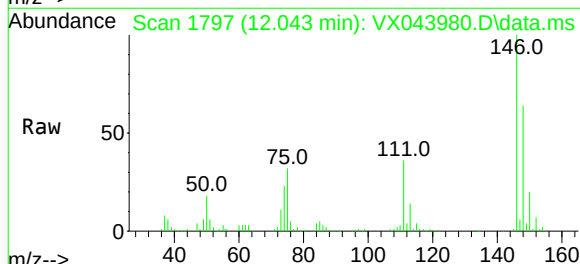
RT: 12.043 min Scan# 1797

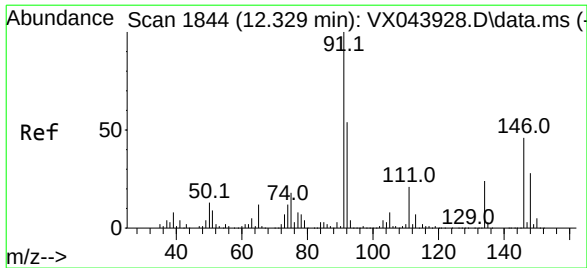
Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 56264 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.3  | 20.1  | 60.3  |
| 148       | 65.5  | 30.9  | 92.8  |





#89

n-Butylbenzene

Concen: 18.588 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 91 Resp: 91448

Ion Ratio Lower Upper

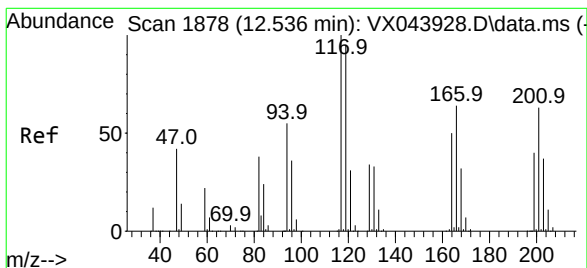
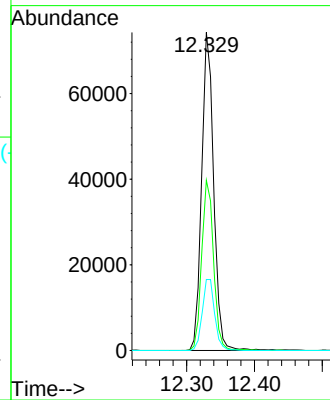
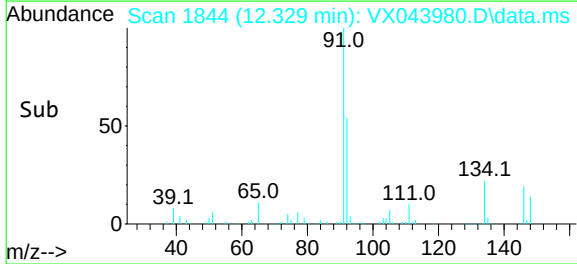
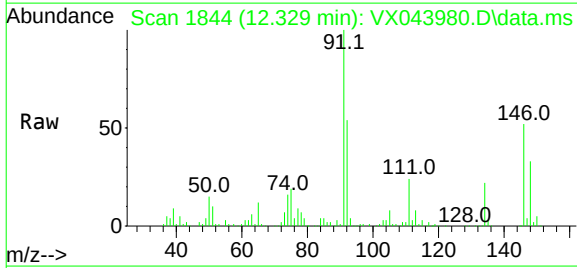
91 100

92 53.0 26.6 79.8

134 23.1 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#90

Hexachloroethane

Concen: 16.728 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043980.D

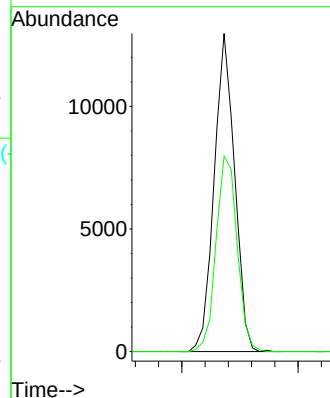
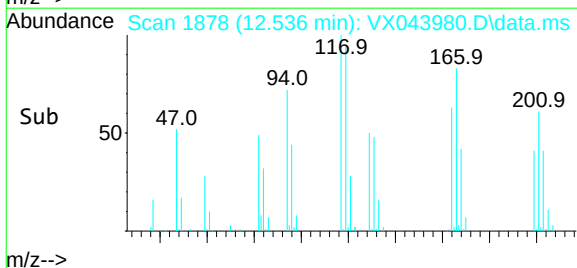
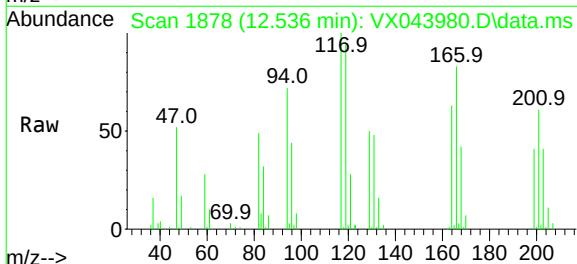
Acq: 25 Nov 2024 12:41

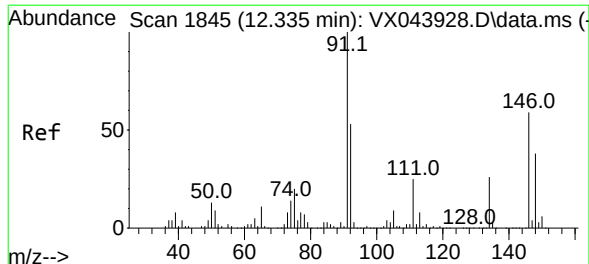
Tgt Ion:117 Resp: 15872

Ion Ratio Lower Upper

117 100

201 63.4 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 18.869 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion: 146 Resp: 56883

Ion Ratio Lower Upper

146 100

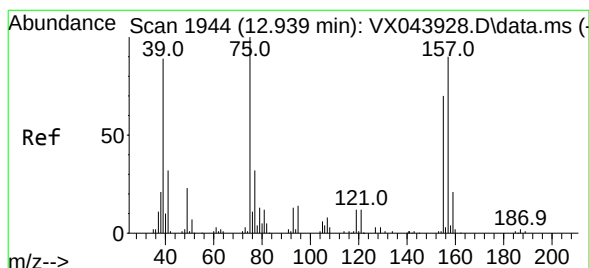
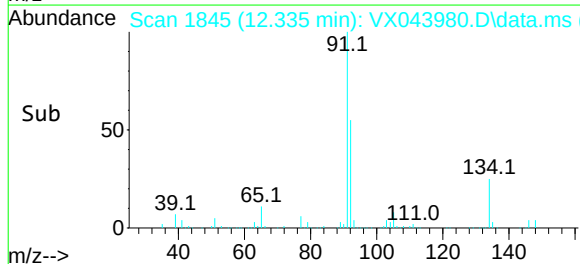
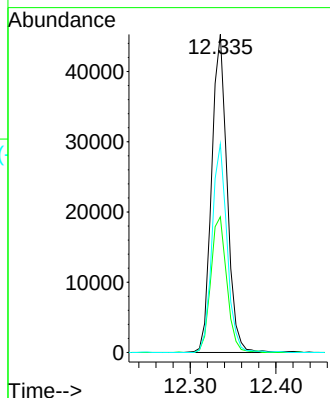
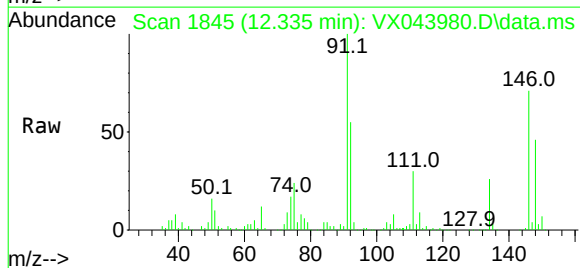
111 44.0 21.5 64.5

148 63.9 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
 Supervised By :Semsettin Yesilyurt 11/26/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 16.475 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

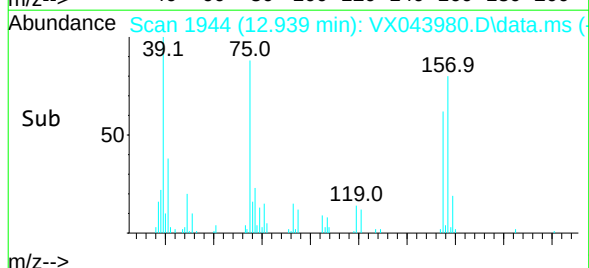
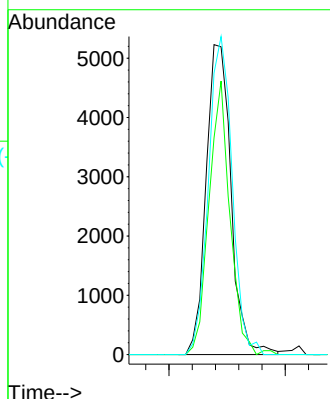
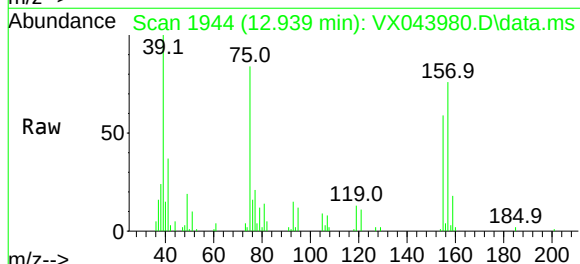
Tgt Ion: 75 Resp: 7772

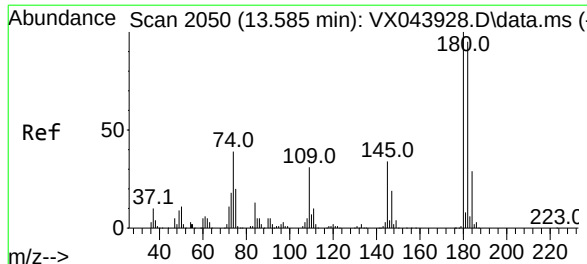
Ion Ratio Lower Upper

75 100

155 74.4 40.1 120.2

157 97.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 17.225 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

Tgt Ion:180 Resp: 30614

Ion Ratio Lower Upper

180 100

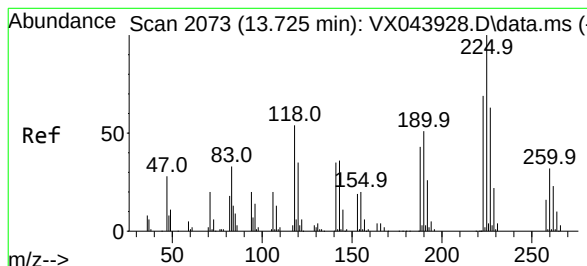
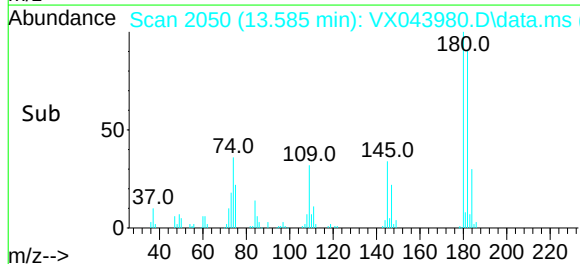
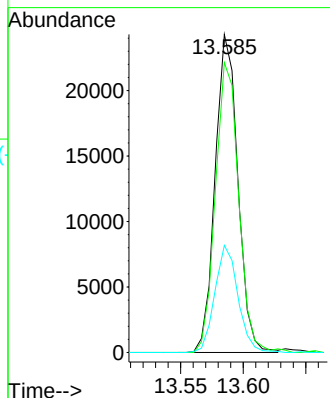
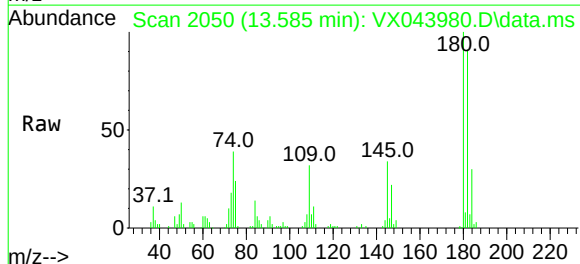
182 93.3 48.0 144.2

145 34.3 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024



#94

Hexachlorobutadiene

Concen: 18.763 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

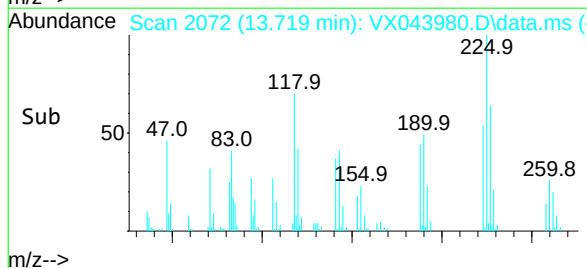
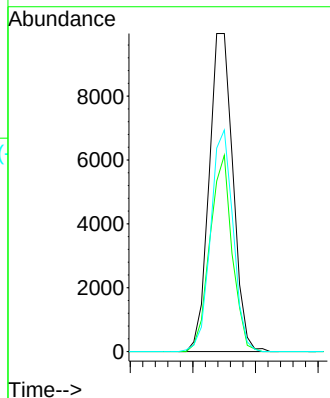
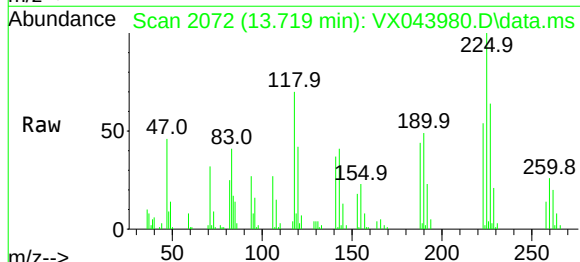
Tgt Ion:225 Resp: 13180

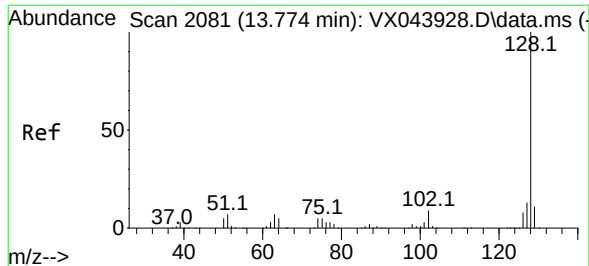
Ion Ratio Lower Upper

225 100

223 57.5 32.9 98.6

227 65.6 31.6 94.8





#95

Naphthalene

Concen: 17.718 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043980.D

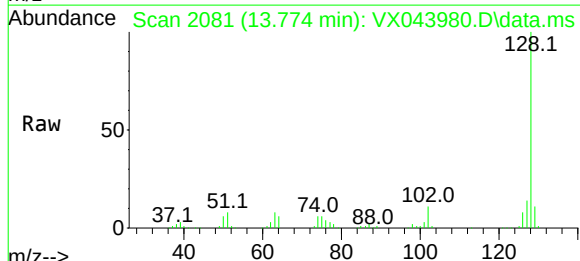
Acq: 25 Nov 2024 12:41

Instrument :

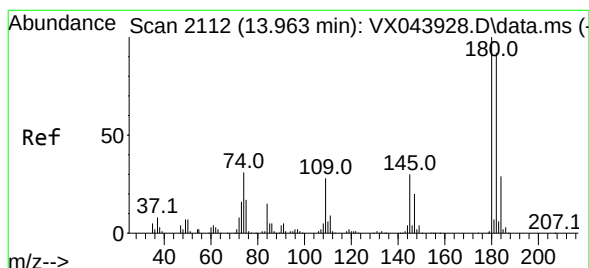
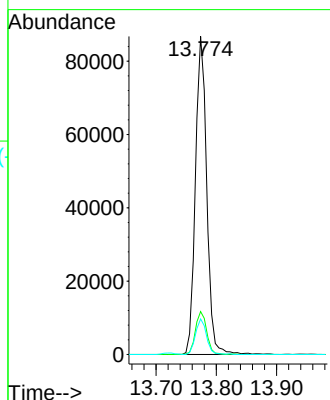
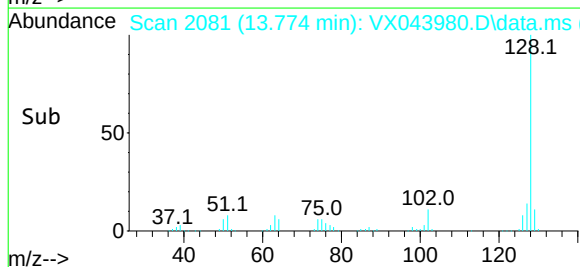
MSVOA\_X

ClientSampleId :

VX1125WBS01



|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 128   | Resp: | 113362 |
| Ion Ratio | Lower | Upper |        |
| 128       | 100   |       |        |
| 127       | 13.3  | 10.2  | 15.2   |
| 129       | 10.8  | 8.6   | 12.8   |

Manual Integrations  
APPROVEDReviewed By :Mahesh Dadoda 11/26/2024  
Supervised By :Semsettin Yesilyurt 11/26/2024

#96

1,2,3-Trichlorobenzene

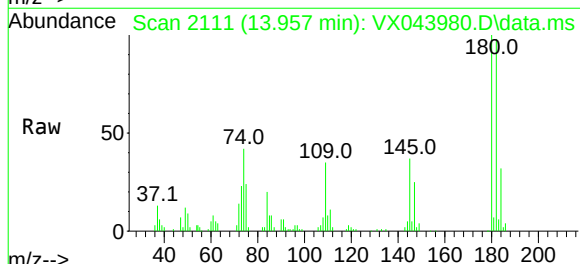
Concen: 17.867 ug/l

RT: 13.957 min Scan# 2111

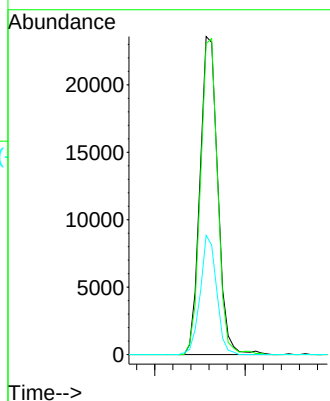
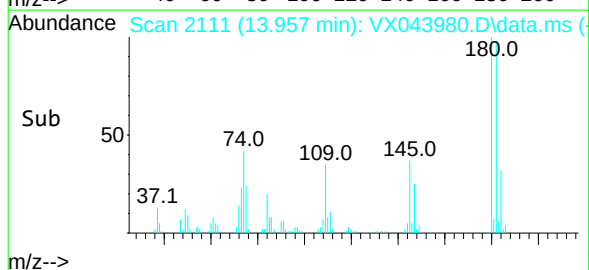
Delta R.T. -0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 32142 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 95.9  | 45.6  | 136.8 |
| 145       | 34.4  | 16.4  | 49.4  |





## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1126WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1126WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044007.D        | 1         |           | 11/26/24 11:17 | VX112624      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 18.0  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 18.8  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 18.6  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 19.0  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 21.8  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 19.5  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 18.4  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 18.1  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 96.5  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 15.0  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.9  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 19.4  |           | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 19.5  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.5  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 19.9  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 18.0  |           | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 97.1  |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 18.0  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 19.3  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 19.1  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 20.4  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.1  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 17.3  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.4  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 19.4  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 17.2  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 20.0  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 19.6  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 100   |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 19.8  |           | 0.18 | 0.50 | 1.00       | ug/L  |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1126WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1126WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044007.D        | 1         |           | 11/26/24 11:17 | VX112624      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 19.1   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 18.7   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 19.8   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 99.3   |           | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 18.6   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 19.8   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 19.6   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 18.7   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 19.3   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 38.5   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 19.7   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 19.6   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 17.6   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 19.7   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 20.6   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 19.0   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 18.5   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 19.3   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 18.4   |           | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 18.1   |           | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 18.1   |           | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.5   |           | 81 - 118 |      | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 48.4   |           | 80 - 119 |      | 97%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 49.2   |           | 89 - 112 |      | 98%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 49.1   |           | 85 - 114 |      | 98%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 126000 | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 229000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 197000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 89800  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1126WBS01                         |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1126WBS01                         |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044007.D        | 1         |           | 11/26/24 11:17 | VX112624      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044007.D  
 Acq On : 26 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VX1126WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:48:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 126484   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 228899   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 196787   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 89836    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 109611   | 50.526   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 101.060% |
| 35) Dibromofluoromethane  | 5.379  | 113   | 79171    | 48.405   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 96.800%  |
| 50) Toluene-d8            | 8.647  | 98    | 277374   | 49.197   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 98.400%  |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 94239    | 49.114   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 98.220%  |

## Target Compounds

|                              |       |     |        |        |      | Qvalue |
|------------------------------|-------|-----|--------|--------|------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 28827  | 17.990 | ug/l | 93     |
| 3) Chloromethane             | 1.295 | 50  | 31644  | 18.767 | ug/l | 99     |
| 4) Vinyl Chloride            | 1.374 | 62  | 33381  | 18.612 | ug/l | 99     |
| 5) Bromomethane              | 1.593 | 94  | 21005  | 19.038 | ug/l | 90     |
| 6) Chloroethane              | 1.666 | 64  | 23849  | 21.823 | ug/l | 94     |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 62603  | 19.524 | ug/l | 99     |
| 8) Diethyl Ether             | 2.130 | 74  | 22655  | 19.385 | ug/l | 97     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 28164  | 18.414 | ug/l | 99     |
| 10) Methyl Iodide            | 2.441 | 142 | 35540  | 18.605 | ug/l | 99     |
| 11) Tert butyl alcohol       | 2.995 | 59  | 30103  | 86.450 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 26326  | 18.063 | ug/l | 94     |
| 13) Acrolein                 | 2.233 | 56  | 34432  | 93.813 | ug/l | 97     |
| 14) Allyl chloride           | 2.654 | 41  | 45281  | 19.014 | ug/l | 98     |
| 15) Acrylonitrile            | 3.063 | 53  | 82583  | 97.321 | ug/l | 100    |
| 16) Acetone                  | 2.386 | 43  | 96113  | 96.461 | ug/l | 98     |
| 17) Carbon Disulfide         | 2.502 | 76  | 45228  | 15.044 | ug/l | 99     |
| 18) Methyl Acetate           | 2.703 | 43  | 45089  | 19.432 | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 105281 | 19.894 | ug/l | 99     |
| 20) Methylene Chloride       | 2.782 | 84  | 32937  | 19.479 | ug/l | 99     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 27839  | 18.501 | ug/l | 95     |
| 22) Diisopropyl ether        | 3.764 | 45  | 102578 | 20.144 | ug/l | 97     |
| 23) Vinyl Acetate            | 3.721 | 43  | 423782 | 97.282 | ug/l | 98     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 58526  | 19.922 | ug/l | 99     |
| 25) 2-Butanone               | 4.562 | 43  | 124838 | 97.100 | ug/l | 100    |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 51476  | 19.402 | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 35989  | 19.349 | ug/l | 98     |
| 28) Bromochloromethane       | 4.891 | 49  | 24714  | 19.112 | ug/l | 100    |
| 29) Tetrahydrofuran          | 5.013 | 42  | 72702  | 92.239 | ug/l | 99     |
| 30) Chloroform               | 5.087 | 83  | 64403  | 20.383 | ug/l | 99     |
| 31) Cyclohexane              | 5.458 | 56  | 43524  | 18.001 | ug/l | 96     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 54646  | 20.055 | ug/l | 98     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 38113  | 18.700 | ug/l | 99     |
| 37) Ethyl Acetate            | 4.715 | 43  | 46886  | 18.532 | ug/l | 98     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 41327  | 18.046 | ug/l | 94     |
| 39) Methylcyclohexane        | 7.379 | 83  | 45898  | 17.334 | ug/l | 91     |
| 40) Benzene                  | 6.032 | 78  | 122979 | 19.371 | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044007.D  
 Acq On : 26 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VX1126WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

Manual Integrations  
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:48:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 24753    | 19.116  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 49529    | 19.425  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 77739    | 19.307  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 30827    | 17.152  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 31135    | 20.023  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 24627    | 20.022  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 43234    | 19.598  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 35204    | 18.221  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10766    | 312.828 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 246977   | 100.516 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 75111    | 19.767  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 42946    | 19.090  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 46188    | 18.729  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 31047    | 19.793  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 48761    | 19.958  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 54924    | 20.786  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 114449   | 84.828  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 183298   | 99.251  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 29286    | 18.608  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 31454    | 19.831  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 25444    | 19.609  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.080 | 112  | 80796    | 18.694  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 27742    | 19.792  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 141555   | 19.329  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 105269   | 38.544  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 52630    | 19.737  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 86358    | 19.581  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 17267    | 17.613  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 136262   | 19.732  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 61285    | 19.157  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 48605    | 20.556  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 38617m   | 19.602  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 32745    | 19.878  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 151539   | 19.648  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 97025    | 19.894  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 113431   | 19.966  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11741    | 16.262  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 107199   | 19.470  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 111433   | 19.789  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 113761   | 20.112  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 133999   | 19.422  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 110997   | 19.806  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 56964    | 18.986  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 56700    | 18.536  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 94699    | 19.165  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 16678    | 17.501  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 58372    | 19.278  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 8739     | 18.445  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 32265    | 18.075  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 13509    | 19.148  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 121561   | 18.917  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 32745    | 18.123  | ug/l   | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044007.D  
Acq On : 26 Nov 2024 11:17  
Operator : JC/MD  
Sample : VX1126WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Manual Integrations  
**APPROVED**

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

Quant Time: Nov 27 00:48:20 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

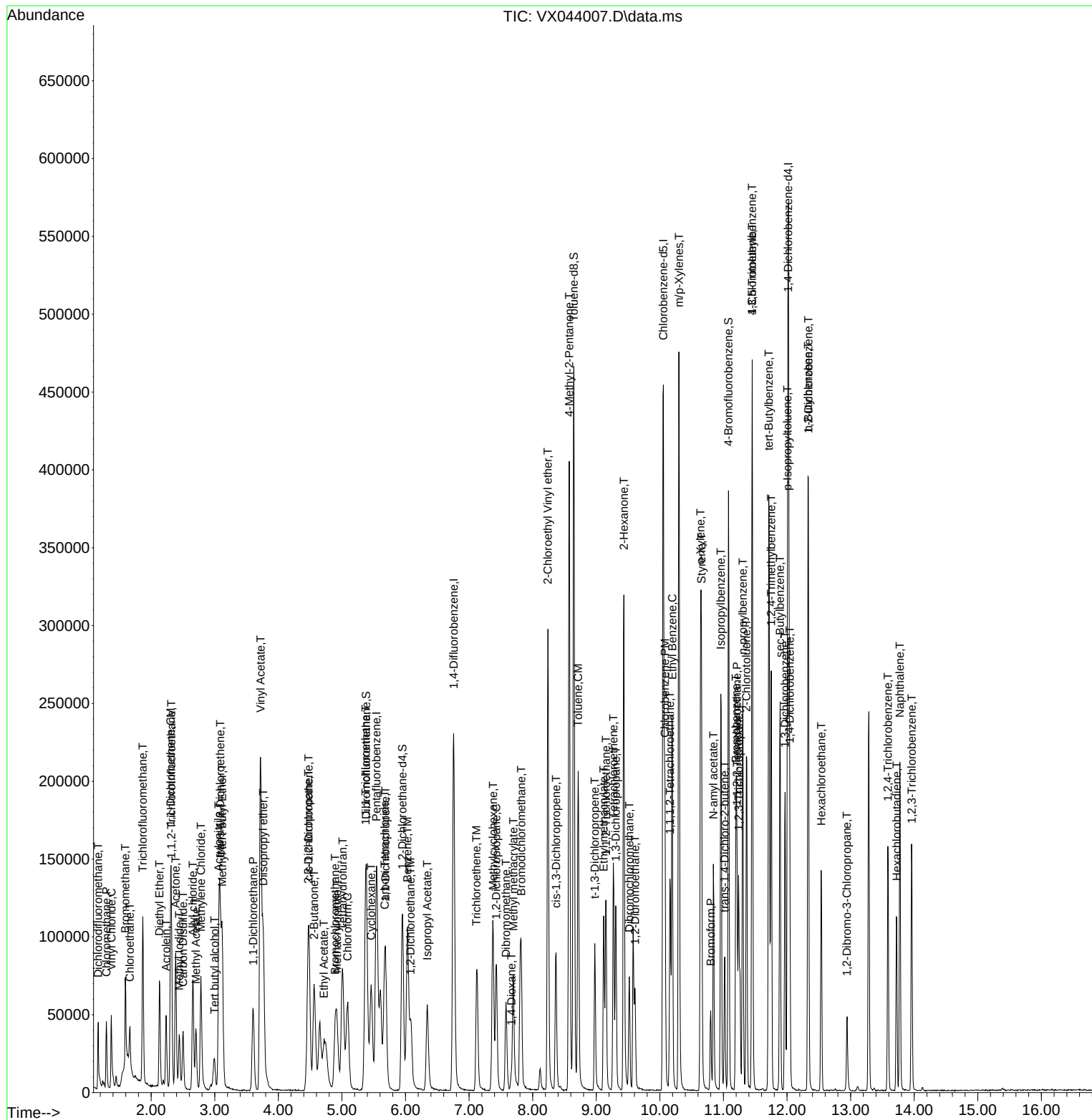
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044007.D  
 Acq On : 26 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VX1126WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

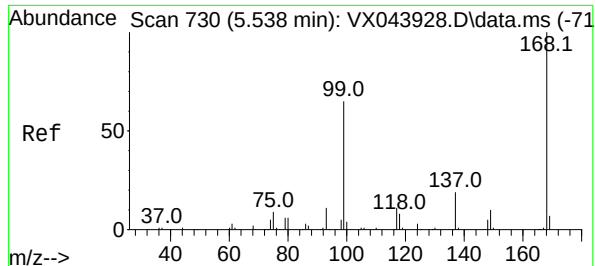
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

Quant Time: Nov 27 00:48:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

### Manual Integrations APPROVED

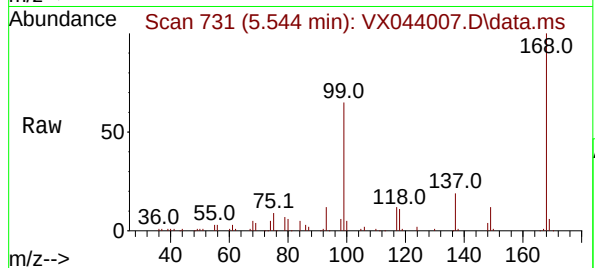
Reviewed By : Semsettin Yesilyurt 11/27/2024  
 Supervised By : Mahesh Dadoda 11/27/2024





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

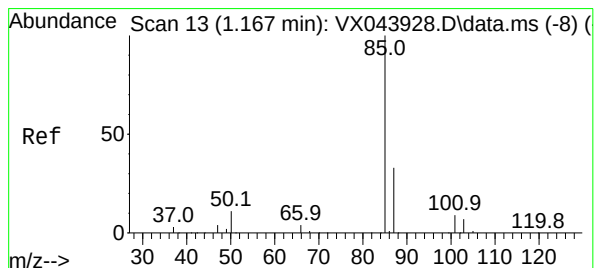
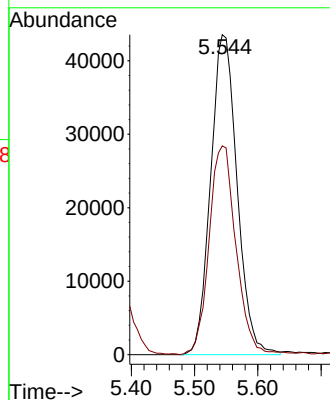
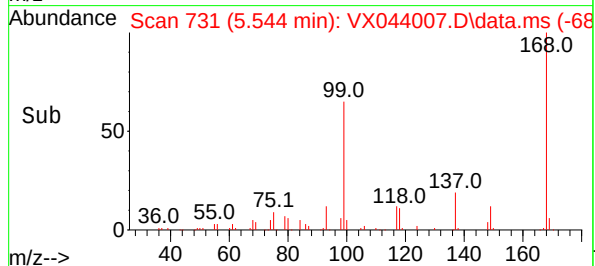
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01



Tgt Ion:168 Resp: 12648  
Ion Ratio Lower Upper  
168 100  
99 65.2 51.8 77.8

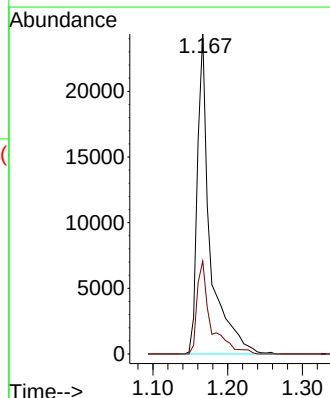
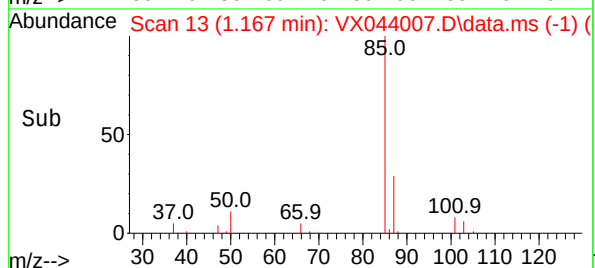
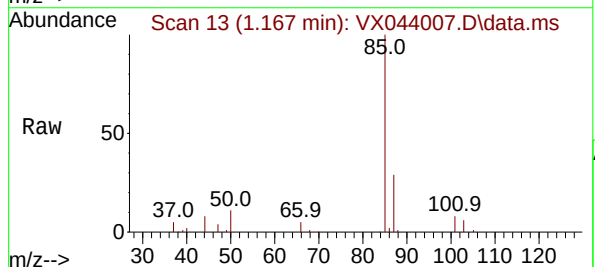
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Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

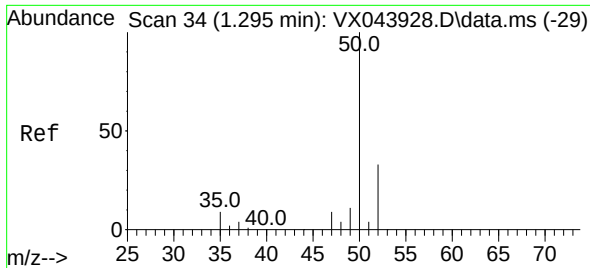


#2  
Dichlorodifluoromethane  
Concen: 17.990 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 85 Resp: 28827  
Ion Ratio Lower Upper  
85 100  
87 29.1 16.6 49.8







#3

Chloromethane

Concen: 18.767 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

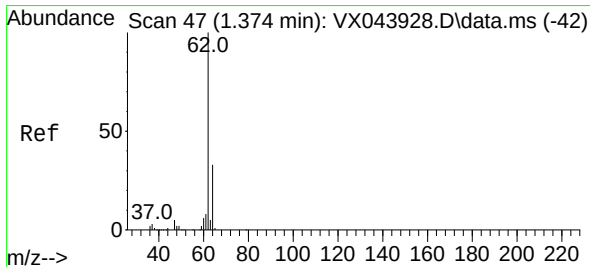
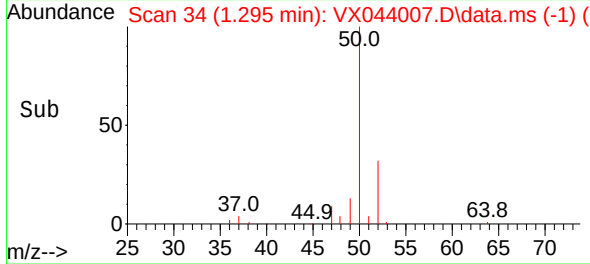
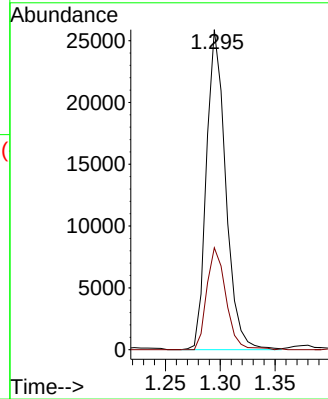
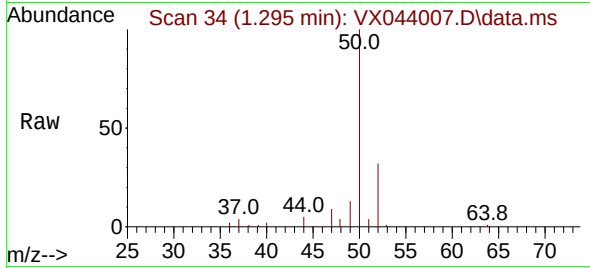
VX1126WBS01

Tgt Ion: 50 Resp: 31644  
Ion Ratio Lower Upper  
50 100  
52 31.9 26.1 39.1

## Manual Integrations

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Supervised By :Mahesh Dadoda 11/27/2024



#4

Vinyl Chloride

Concen: 18.612 ug/l

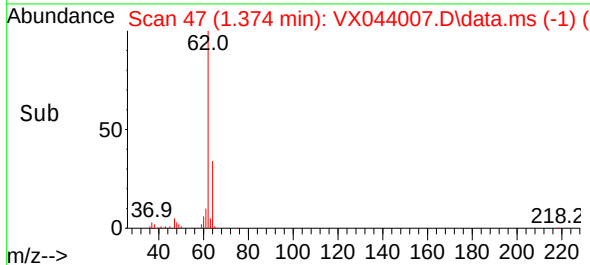
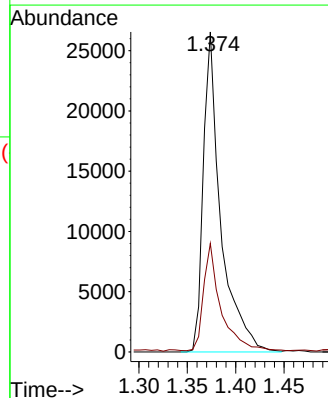
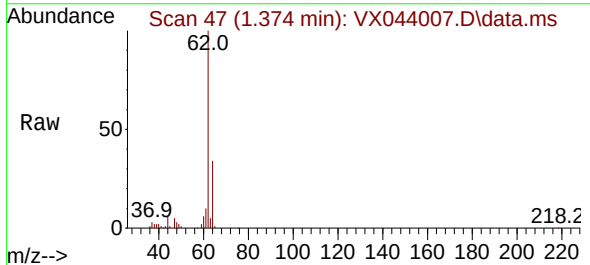
RT: 1.374 min Scan# 47

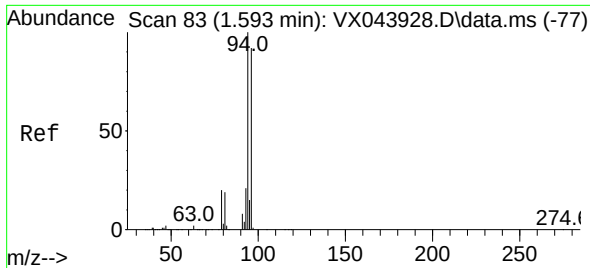
Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Tgt Ion: 62 Resp: 33381  
Ion Ratio Lower Upper  
62 100  
64 33.4 26.2 39.4





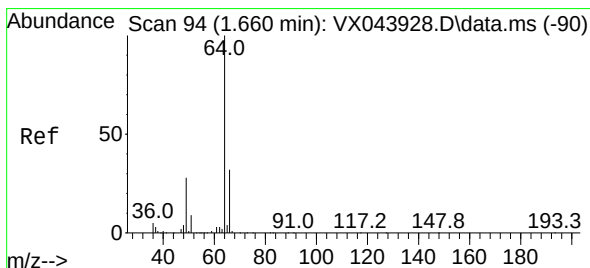
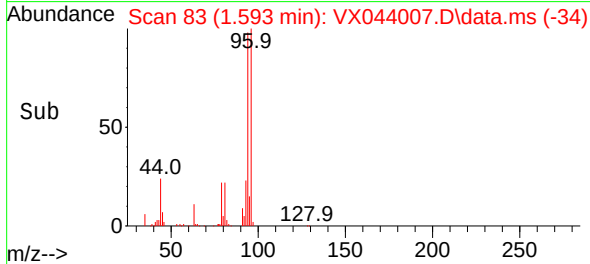
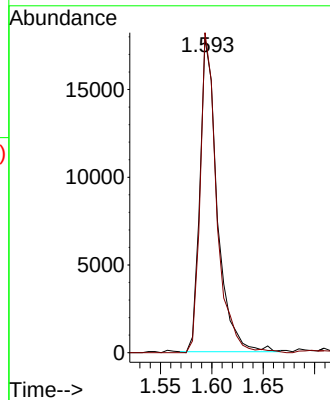
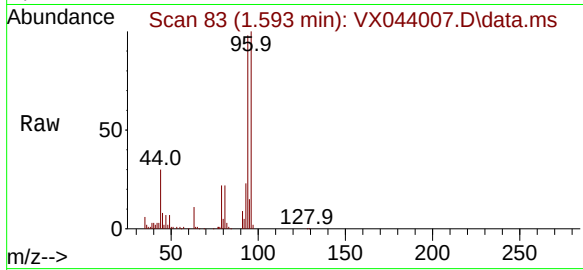
#5  
Bromomethane  
Concen: 19.038 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion: 94 Resp: 21000  
Ion Ratio Lower Upper  
94 100  
96 102.0 73.9 110.9

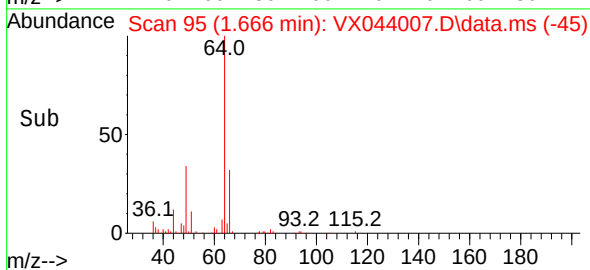
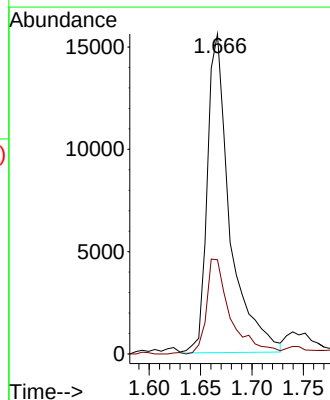
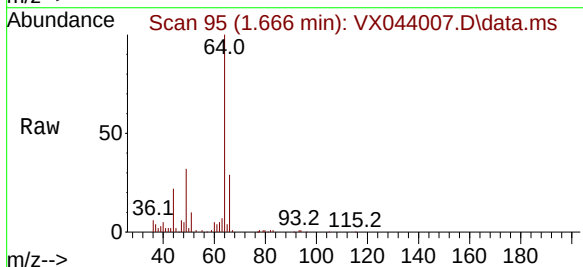
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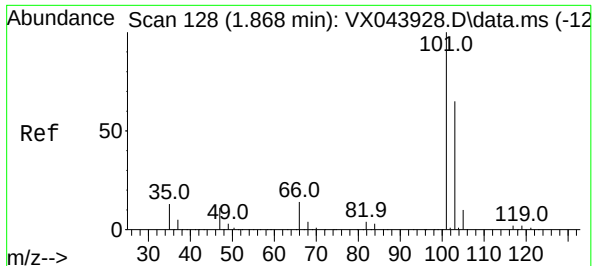
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#6  
Chloroethane  
Concen: 21.823 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

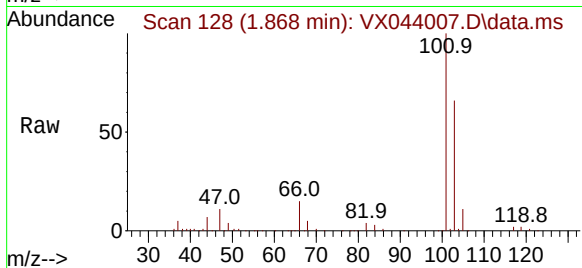
Tgt Ion: 64 Resp: 23849  
Ion Ratio Lower Upper  
64 100  
66 29.2 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 19.524 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

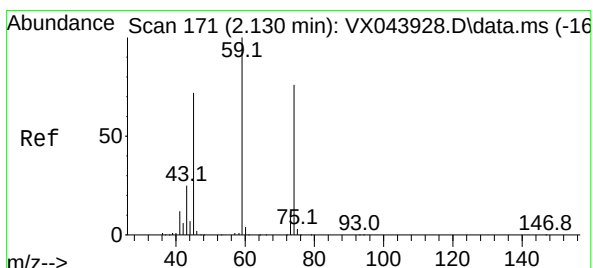
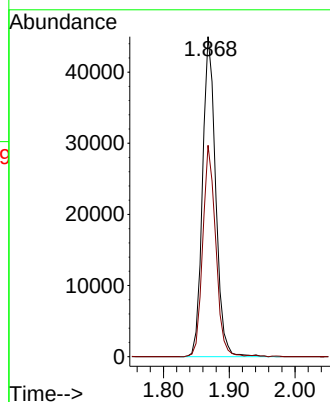
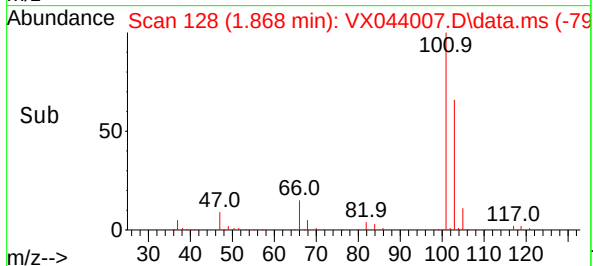
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01



Tgt Ion:101 Resp: 62603  
Ion Ratio Lower Upper  
101 100  
103 66.0 52.2 78.2

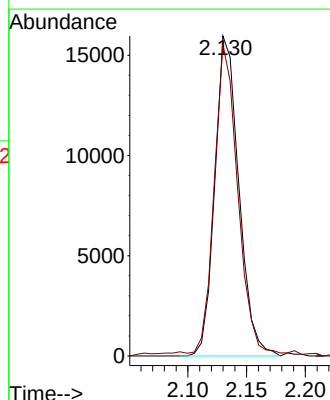
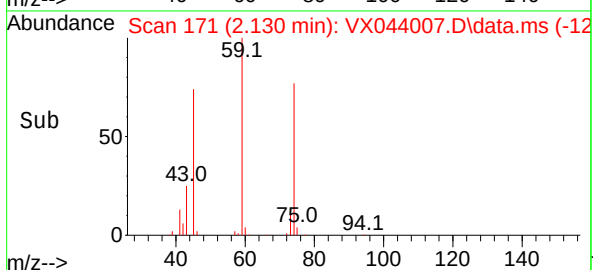
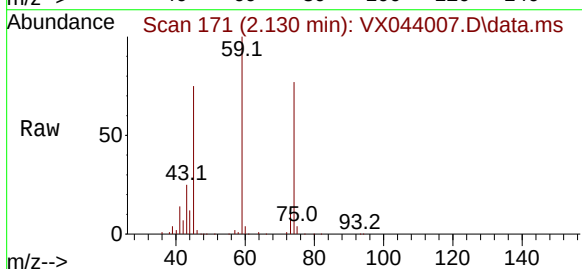
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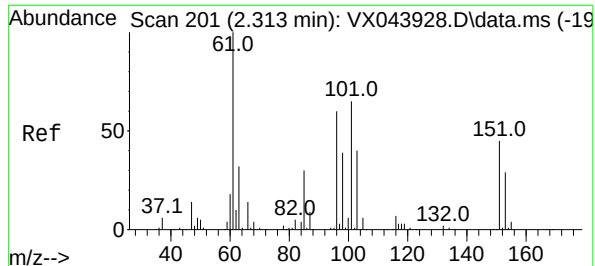
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#8  
Diethyl Ether  
Concen: 19.385 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 74 Resp: 22655  
Ion Ratio Lower Upper  
74 100  
45 98.2 47.9 143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.414 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

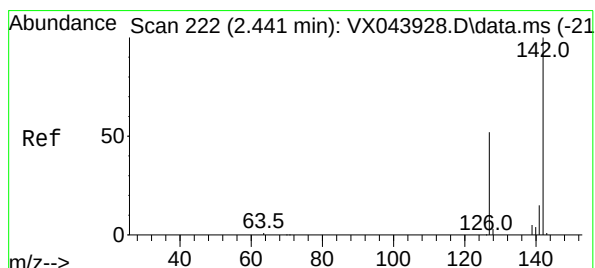
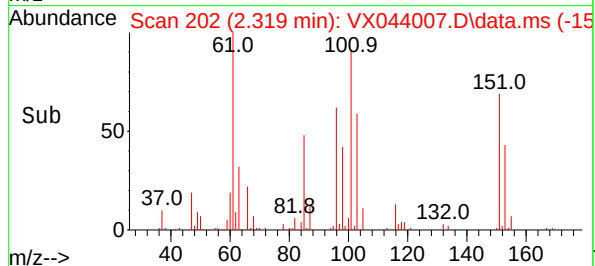
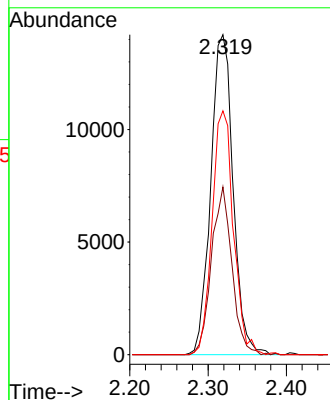
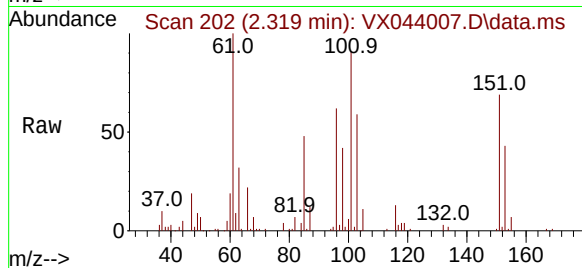
|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 101   | Resp: | 2816 |
| Ion Ratio | Lower | Upper |      |
| 101       | 100   |       |      |
| 85        | 48.0  | 37.9  | 56.9 |
| 151       | 73.0  | 57.5  | 86.3 |

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#10

Methyl Iodide

Concen: 18.605 ug/l

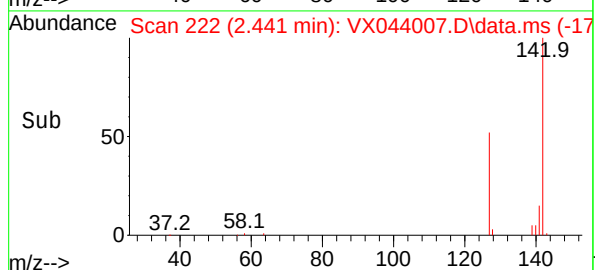
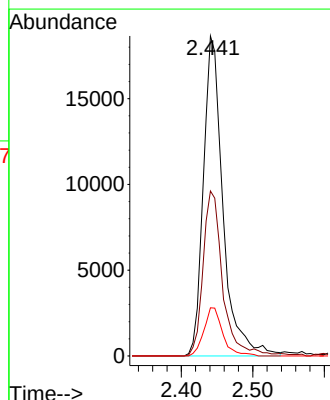
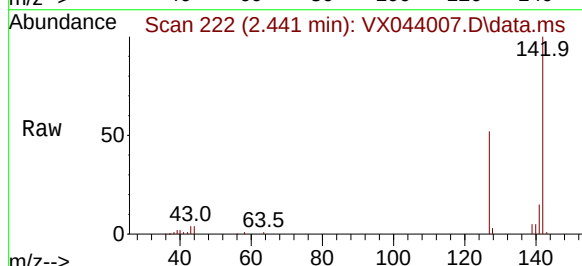
RT: 2.441 min Scan# 222

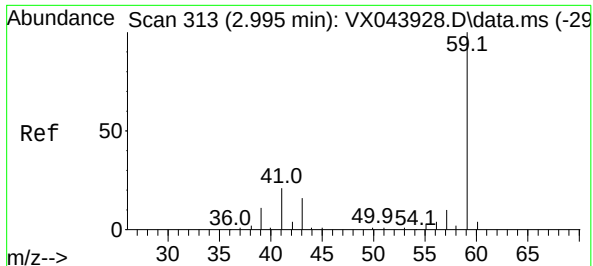
Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 35540 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 51.9  | 40.7  | 61.1  |
| 141       | 14.5  | 12.0  | 18.0  |





#11

Tert butyl alcohol

Concen: 86.450 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 59 Resp: 3010

Ion Ratio Lower Upper

59 100

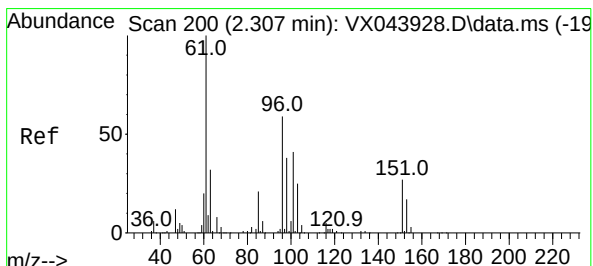
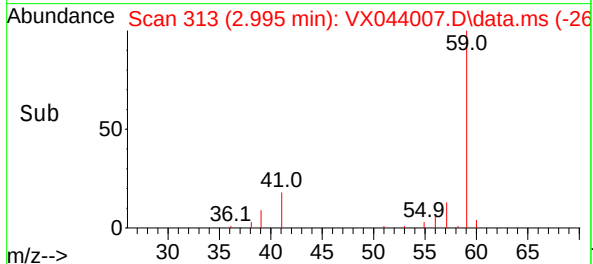
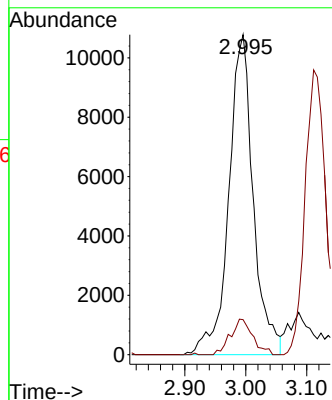
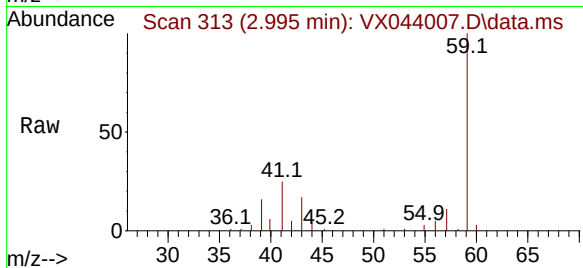
57 10.1 7.9 11.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#12

1,1-Dichloroethene

Concen: 18.063 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

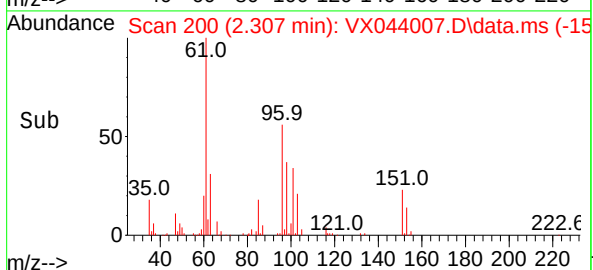
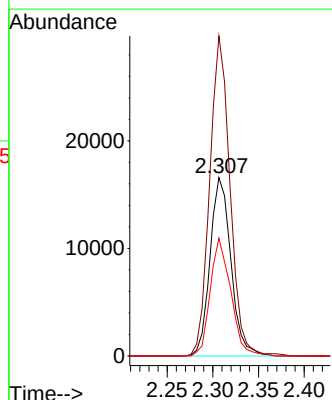
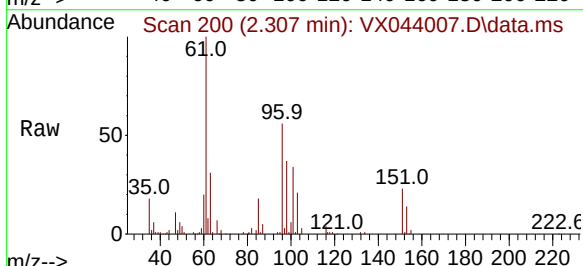
Tgt Ion: 96 Resp: 26326

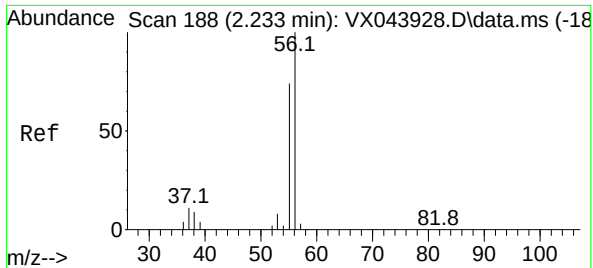
Ion Ratio Lower Upper

96 100

61 179.3 135.5 203.3

98 66.0 50.8 76.2





#13

Acrolein

Concen: 93.813 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 56 Resp: 3443

Ion Ratio Lower Upper

56 100

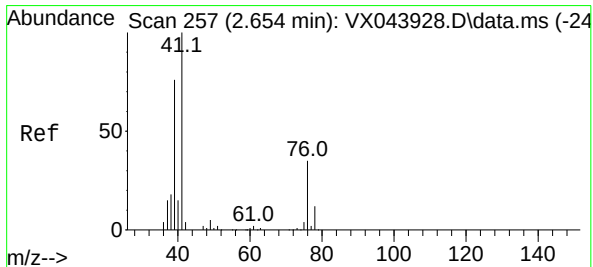
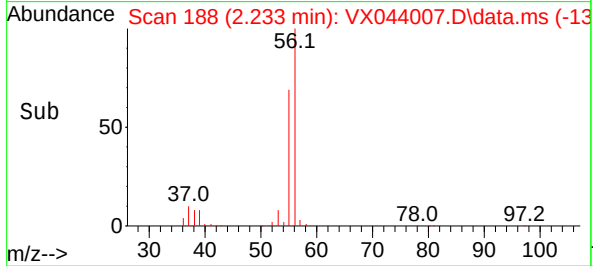
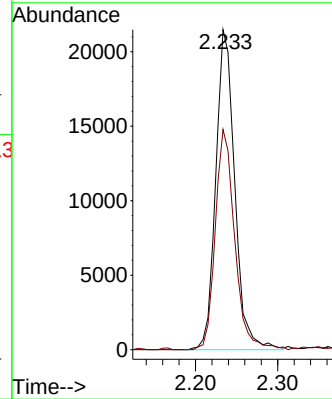
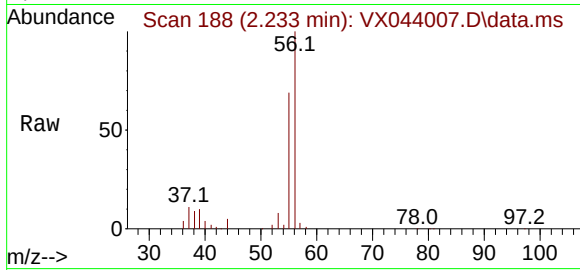
55 70.4 58.2 87.2

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#14

Allyl chloride

Concen: 19.014 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

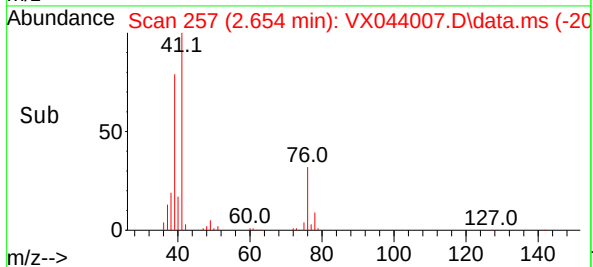
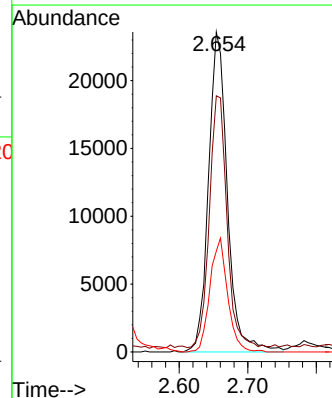
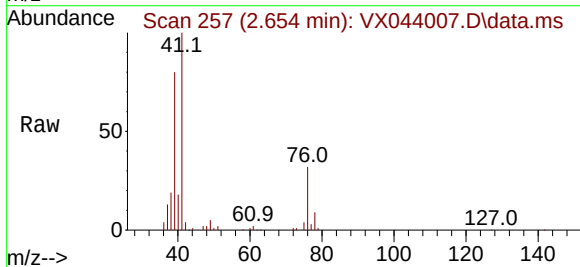
Tgt Ion: 41 Resp: 45281

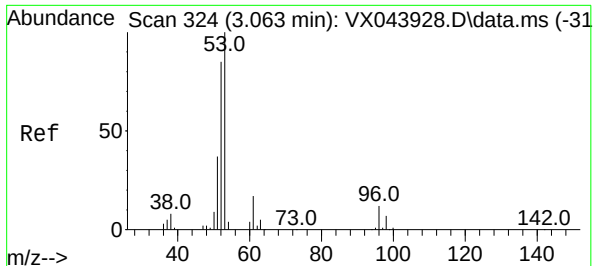
Ion Ratio Lower Upper

41 100

39 73.2 59.5 89.3

76 33.4 27.4 41.2





#15

Acrylonitrile

Concen: 97.321 ug/l

RT: 3.063 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 53 Resp: 82583

Ion Ratio Lower Upper

53 100

52 83.3 66.5 99.7

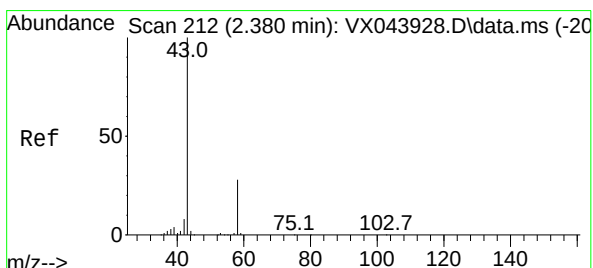
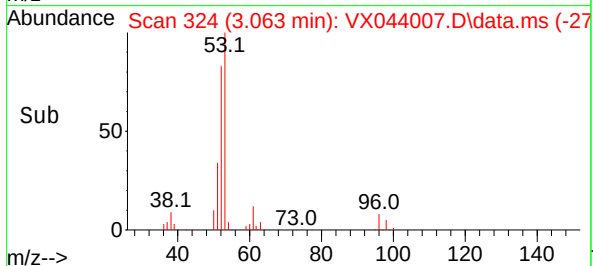
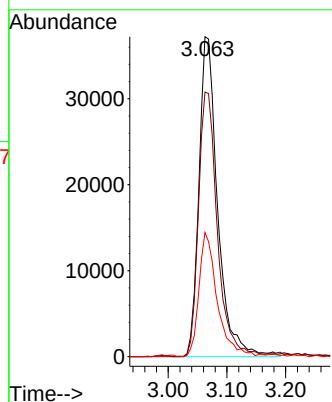
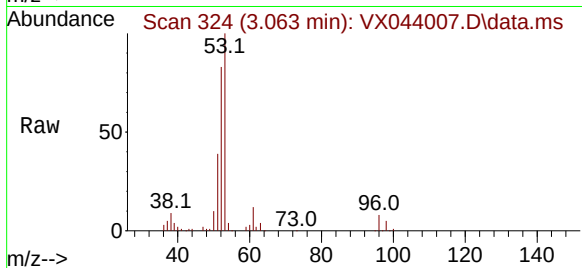
51 37.9 30.2 45.4

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#16

Acetone

Concen: 96.461 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044007.D

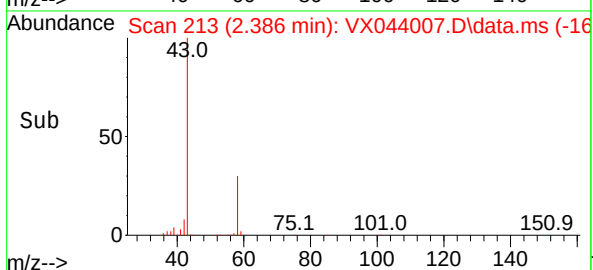
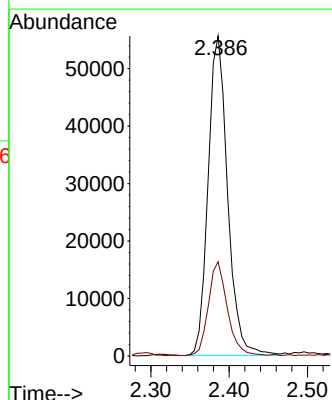
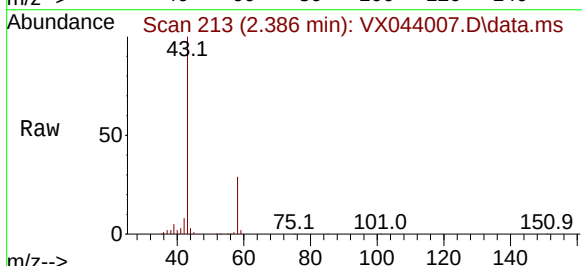
Acq: 26 Nov 2024 11:17

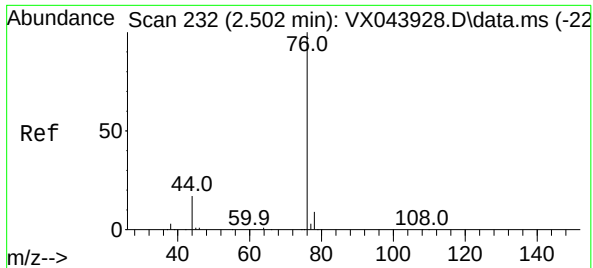
Tgt Ion: 43 Resp: 96113

Ion Ratio Lower Upper

43 100

58 29.4 22.7 34.1





#17

Carbon Disulfide

Concen: 15.044 ug/l

RT: 2.502 min Scan# 24

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 76 Resp: 45228

Ion Ratio Lower Upper

76 100

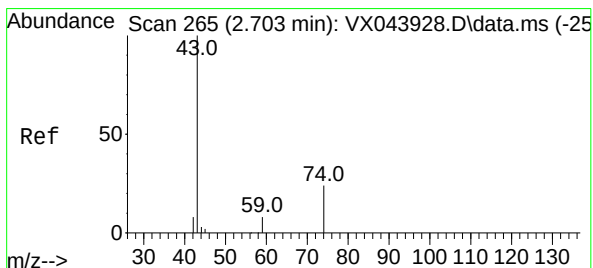
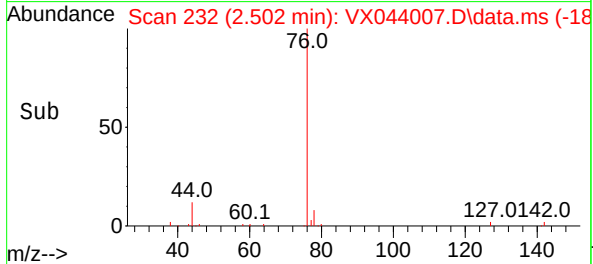
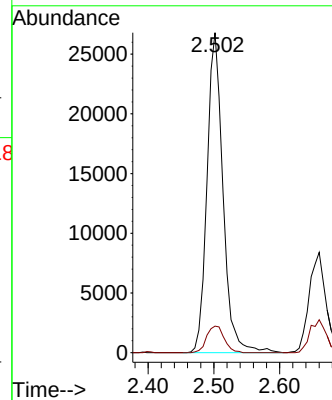
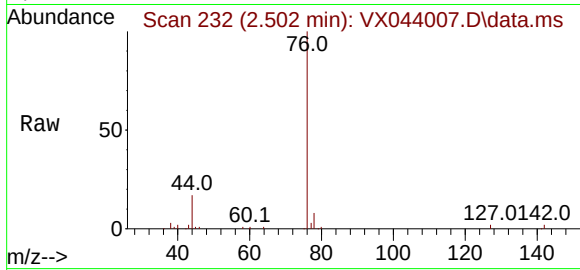
78 8.3 7.0 10.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#18

Methyl Acetate

Concen: 19.432 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX044007.D

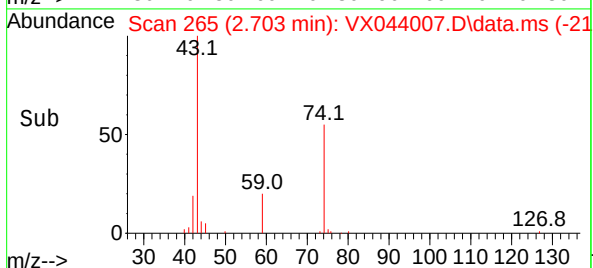
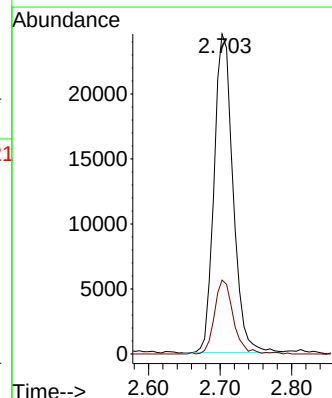
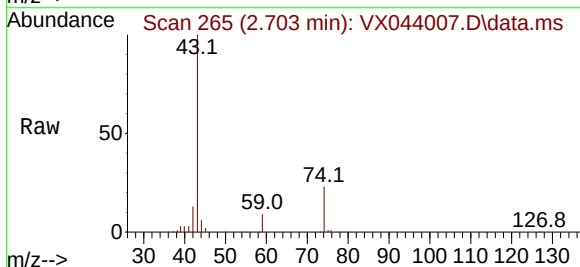
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 45089

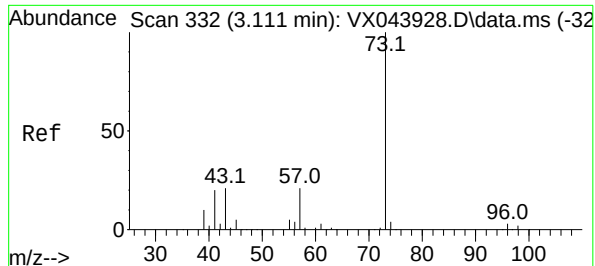
Ion Ratio Lower Upper

43 100

74 23.1 18.9 28.3







#19

Methyl tert-butyl Ether

Concen: 19.894 ug/l

RT: 3.117 min Scan# 311

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 73 Resp: 10528

Ion Ratio Lower Upper

73 100

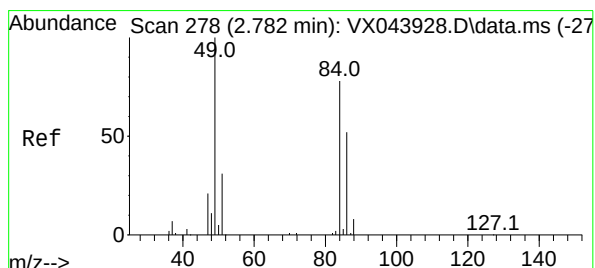
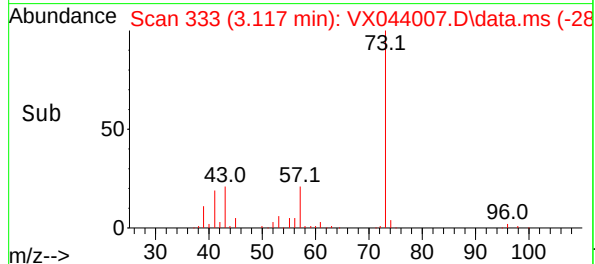
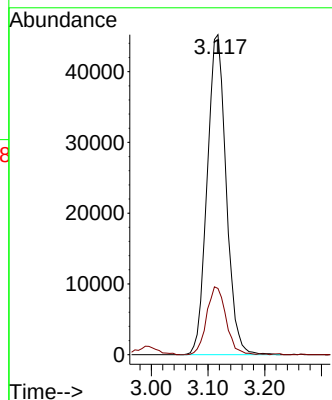
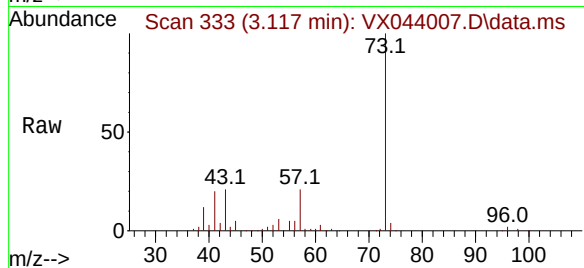
57 20.7 17.0 25.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#20

Methylene Chloride

Concen: 19.479 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Tgt Ion: 84 Resp: 32937

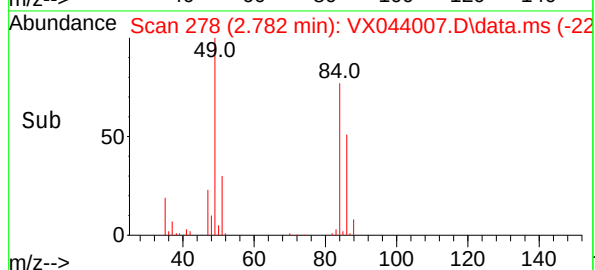
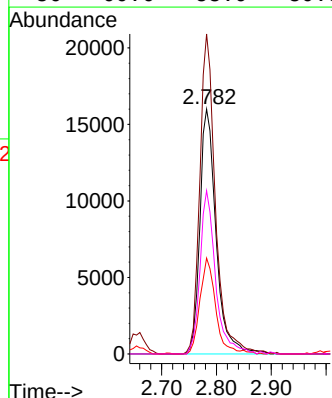
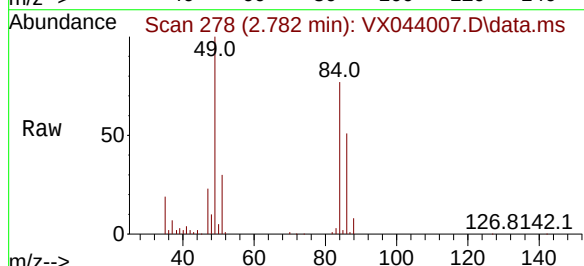
Ion Ratio Lower Upper

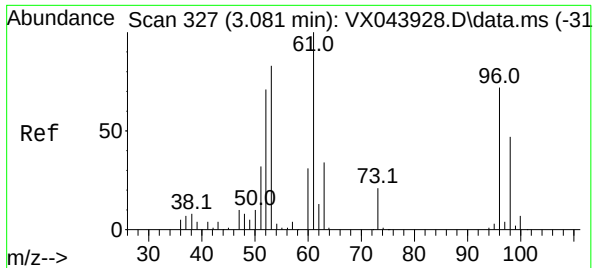
84 100

49 130.7 102.7 154.1

51 39.1 31.7 47.5

86 66.6 53.9 80.9





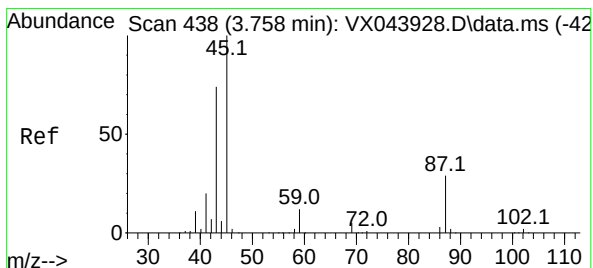
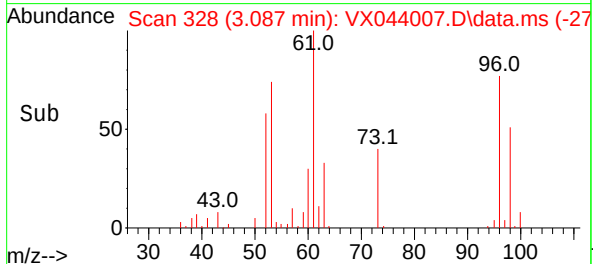
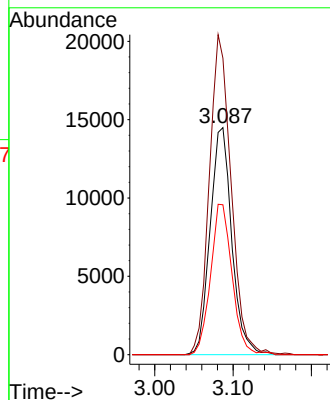
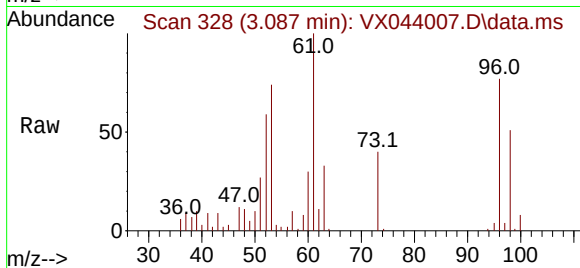
#21  
trans-1,2-Dichloroethene  
Concen: 18.501 ug/l  
RT: 3.087 min Scan# 327  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion: 96 Resp: 27839  
Ion Ratio Lower Upper  
96 100  
61 130.7 111.8 167.6  
98 66.1 52.7 79.1

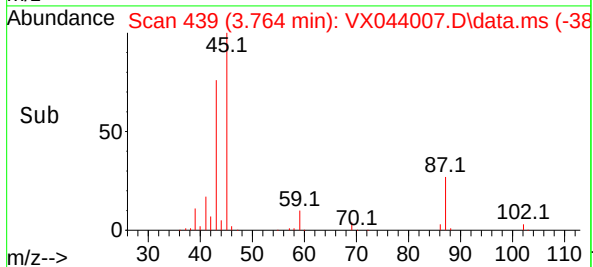
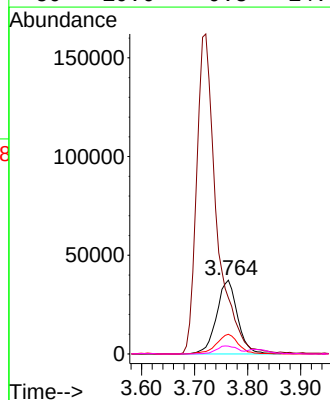
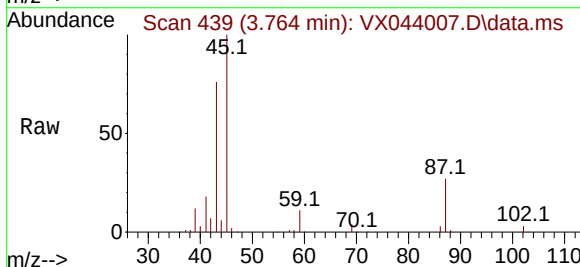
Manual Integrations  
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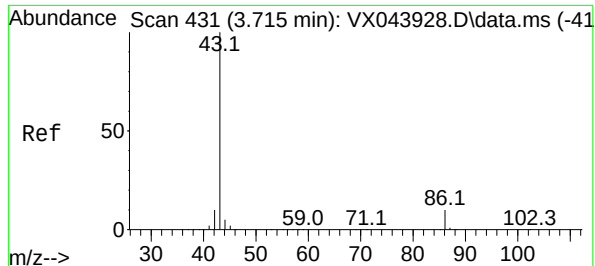
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#22  
Diisopropyl ether  
Concen: 20.144 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 45 Resp: 102578  
Ion Ratio Lower Upper  
45 100  
43 76.2 59.6 89.4  
87 26.6 22.9 34.3  
59 10.6 9.8 14.6





#23

Vinyl Acetate

Concen: 97.282 ug/l

RT: 3.721 min Scan# 41

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 43 Resp: 42378

Ion Ratio Lower Upper

43 100

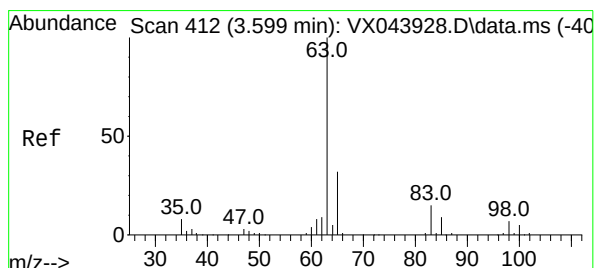
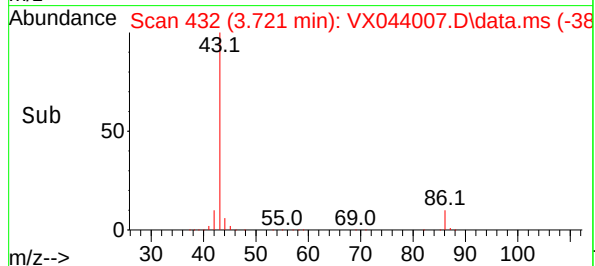
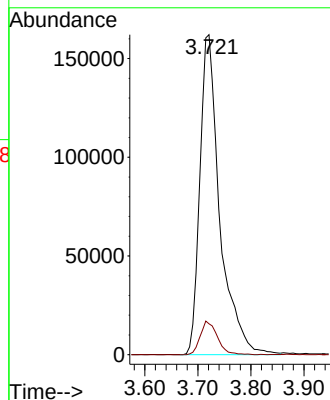
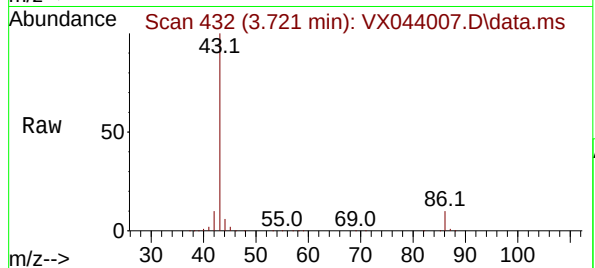
86 9.7 8.3 12.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#24

1,1-Dichloroethane

Concen: 19.922 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

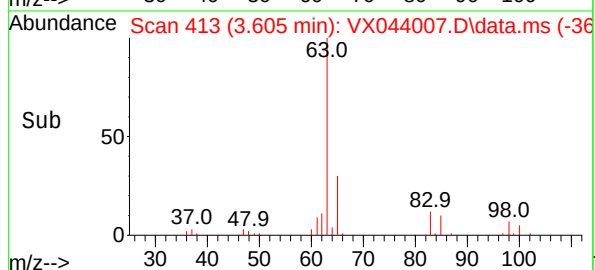
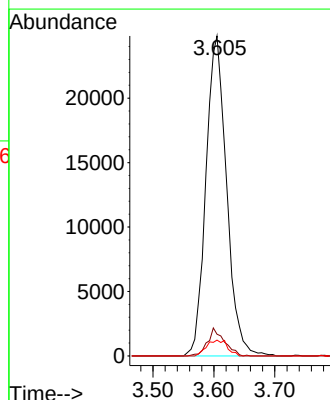
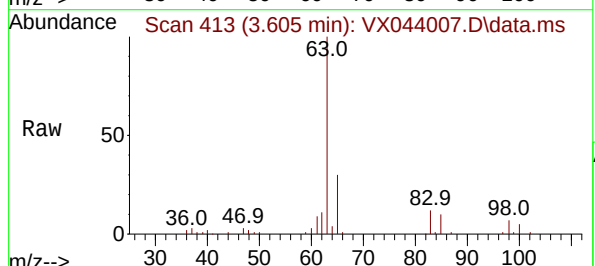
Tgt Ion: 63 Resp: 58526

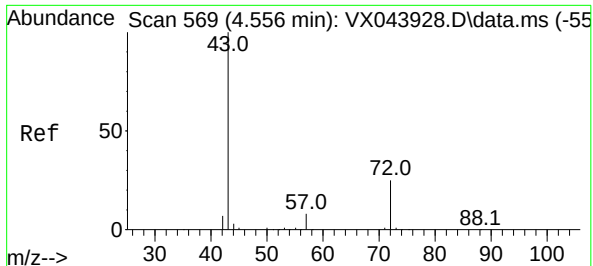
Ion Ratio Lower Upper

63 100

98 6.8 3.5 10.6

100 4.9 2.4 7.1





#25

2-Butanone

Concen: 97.100 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 43 Resp: 12483

Ion Ratio Lower Upper

43 100

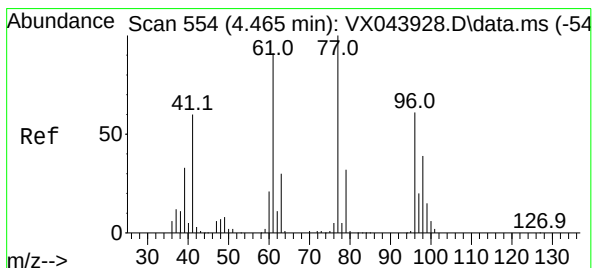
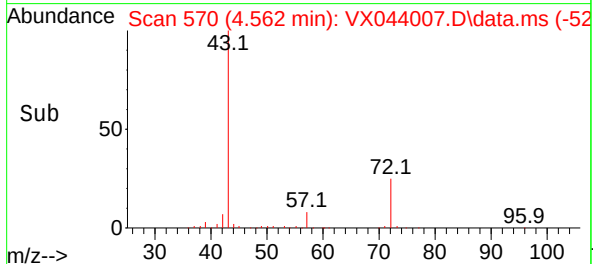
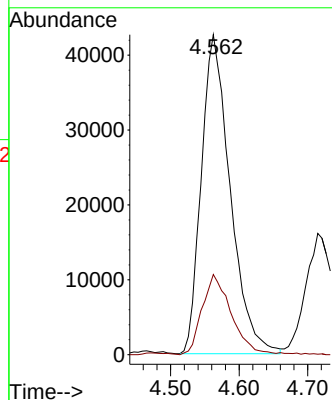
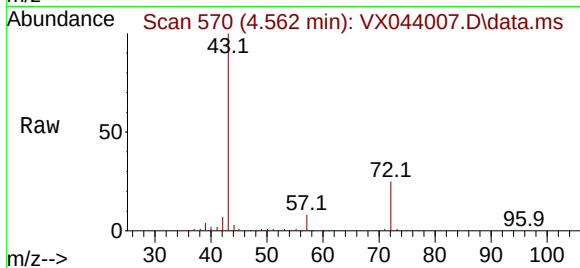
72 25.1 20.2 30.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#26

2,2-Dichloropropane

Concen: 19.402 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX044007.D

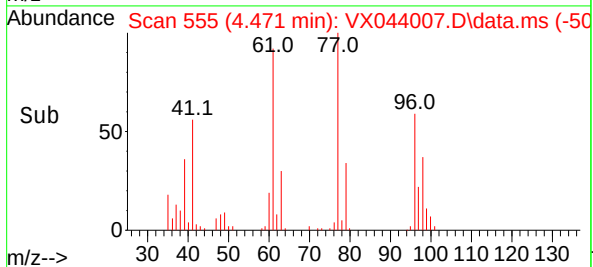
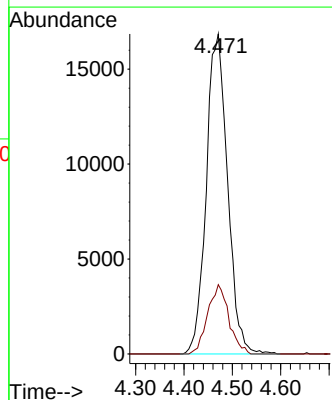
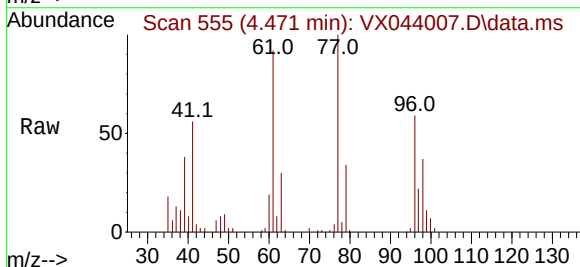
Acq: 26 Nov 2024 11:17

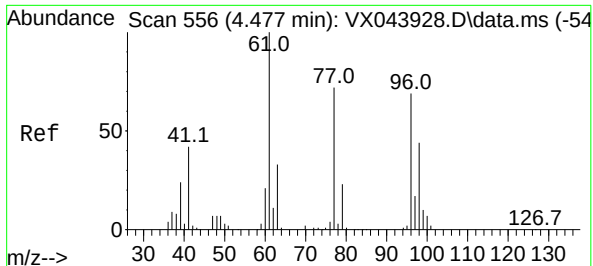
Tgt Ion: 77 Resp: 51476

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 19.349 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

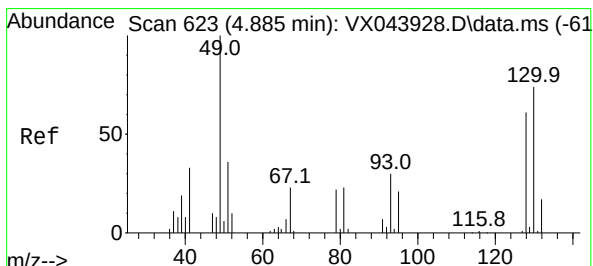
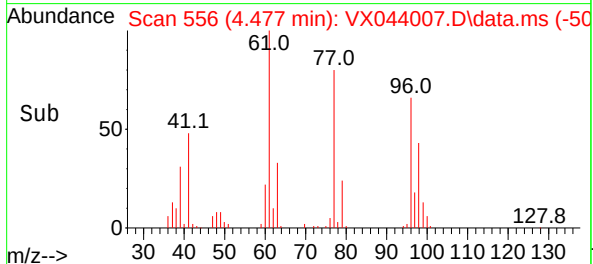
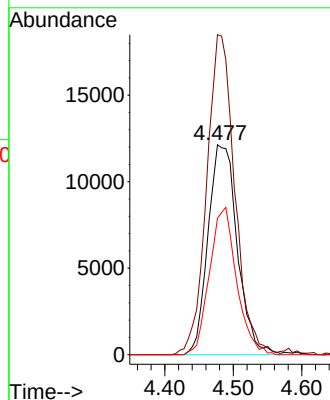
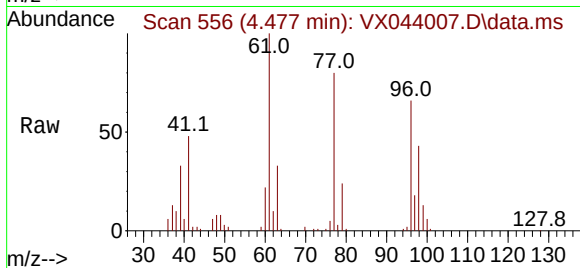
VX1126WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 96    | Resp: | 3598  |
| Ion      | Ratio | Lower | Upper |
| 96       | 100   |       |       |
| 61       | 145.9 | 0.0   | 297.4 |
| 98       | 64.9  | 0.0   | 127.8 |

## Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#28

Bromochloromethane

Concen: 19.112 ug/l

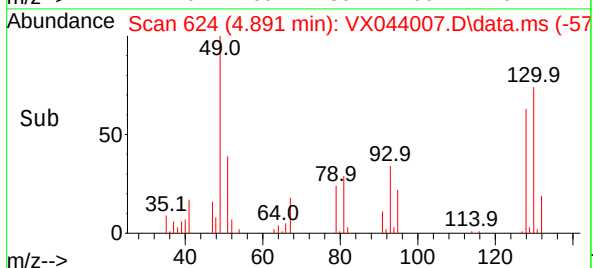
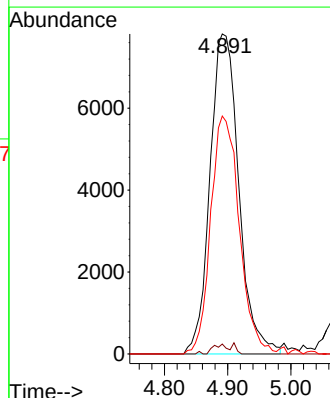
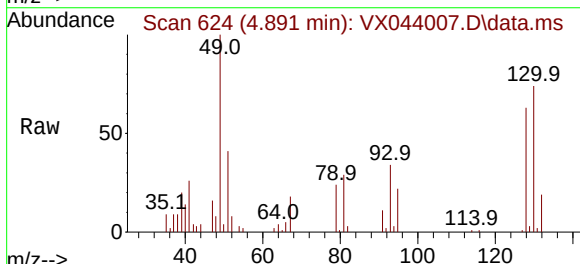
RT: 4.891 min Scan# 624

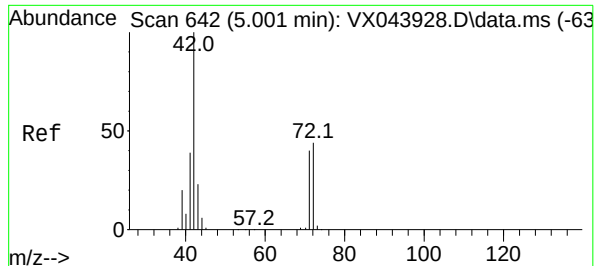
Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 49    | Resp: | 24714 |
| Ion      | Ratio | Lower | Upper |
| 49       | 100   |       |       |
| 129      | 1.5   | 0.0   | 4.0   |
| 130      | 73.7  | 59.0  | 88.6  |





#29

Tetrahydrofuran

Concen: 92.239 ug/l

RT: 5.013 min Scan# 642

Delta R.T. 0.012 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 42 Resp: 72702

Ion Ratio Lower Upper

42 100

72 44.9 36.4 54.6

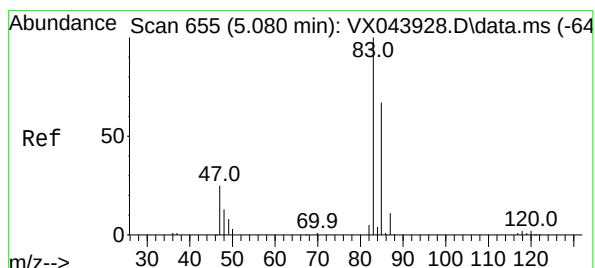
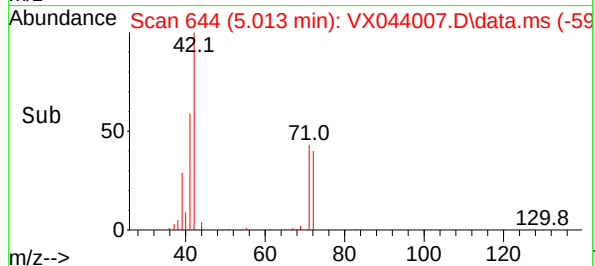
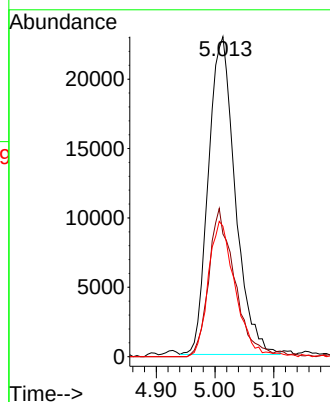
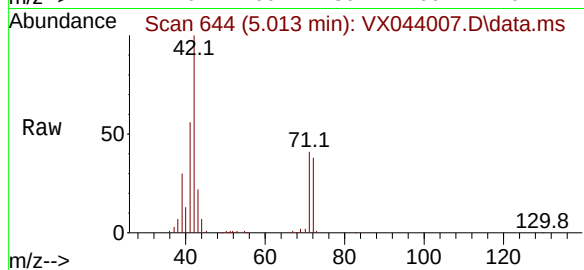
71 42.7 33.4 50.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#30

Chloroform

Concen: 20.383 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044007.D

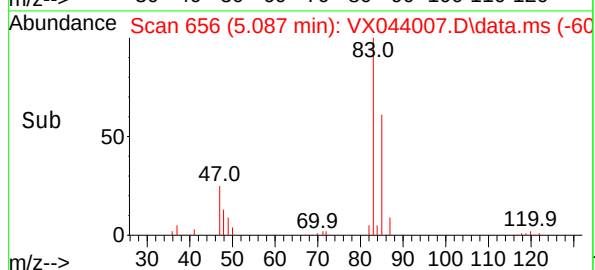
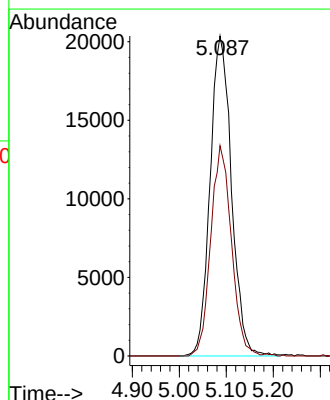
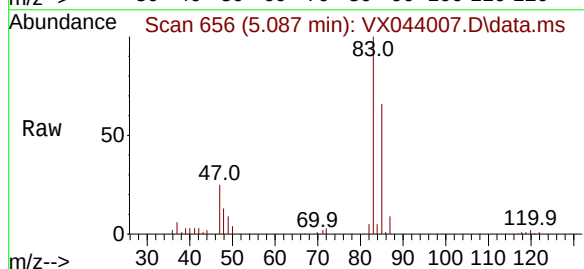
Acq: 26 Nov 2024 11:17

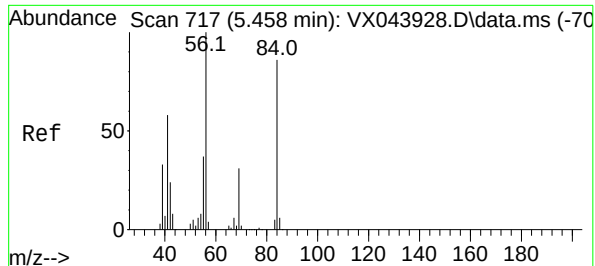
Tgt Ion: 83 Resp: 64403

Ion Ratio Lower Upper

83 100

85 65.7 53.5 80.3





#31

Cyclohexane

Concen: 18.001 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 56 Resp: 43524

Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

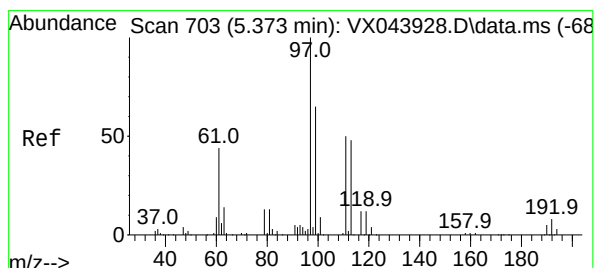
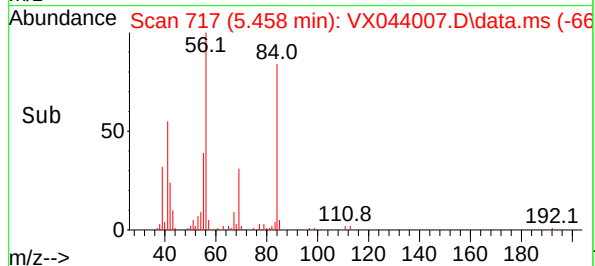
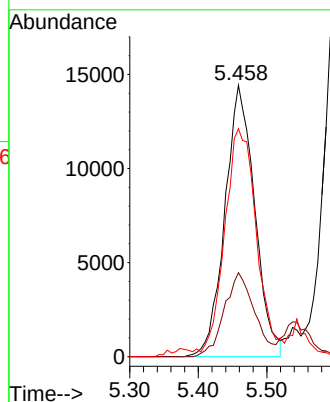
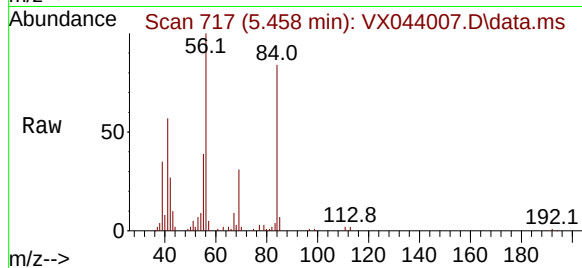
84 81.0 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#32

1,1,1-Trichloroethane

Concen: 20.055 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

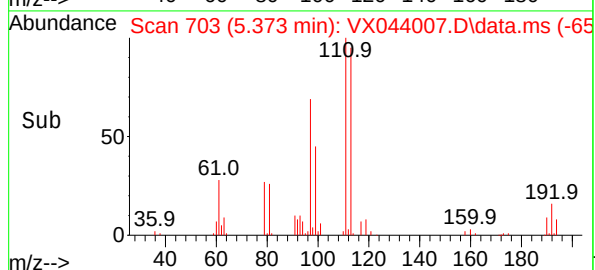
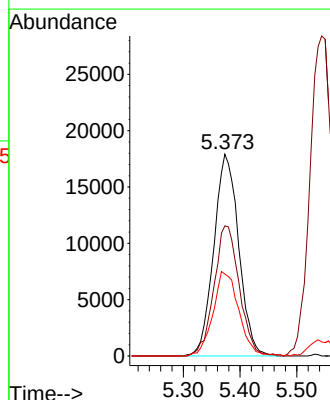
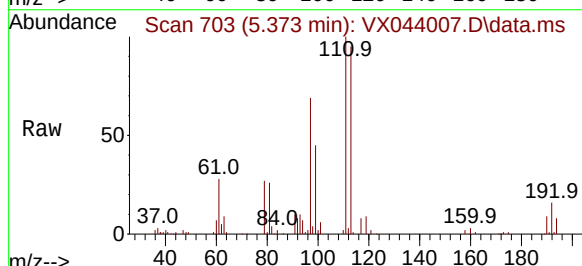
Tgt Ion: 97 Resp: 54646

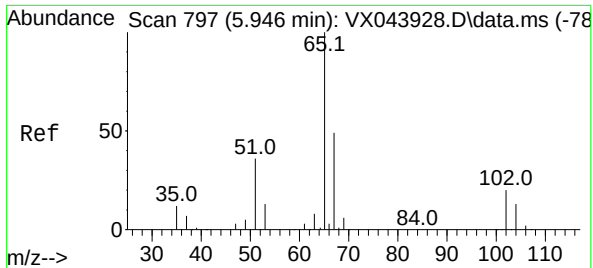
Ion Ratio Lower Upper

97 100

99 65.5 50.8 76.2

61 43.2 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 50.526 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 65 Resp: 10961

Ion Ratio Lower Upper

65 100

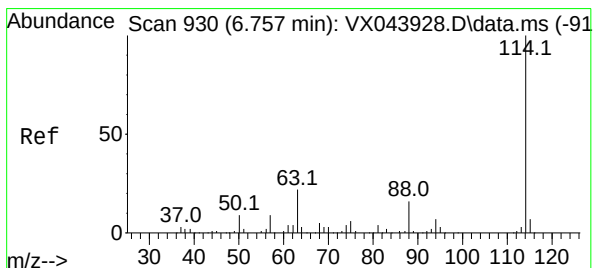
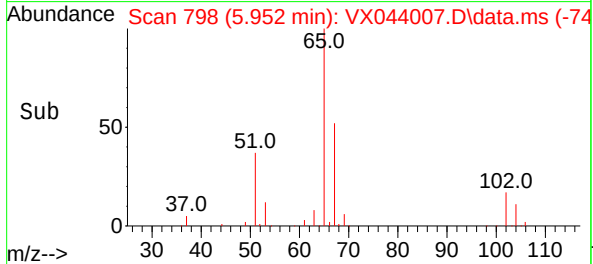
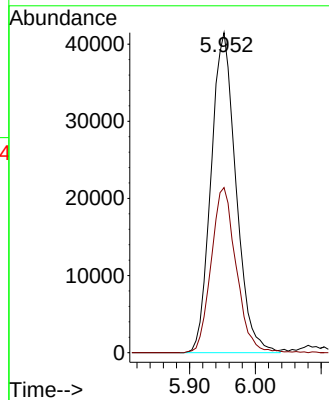
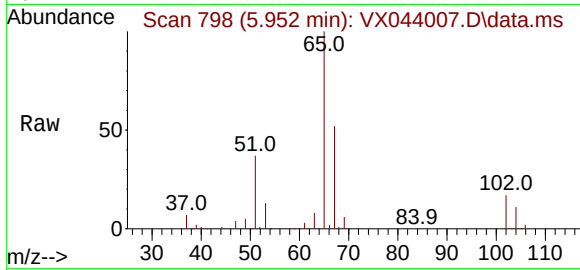
67 51.8 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

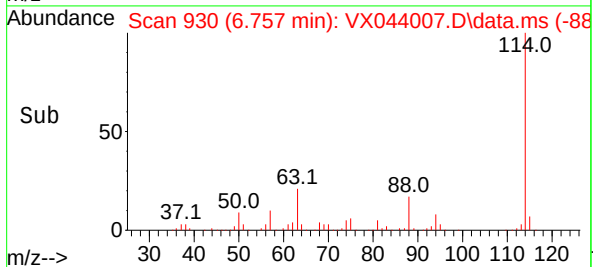
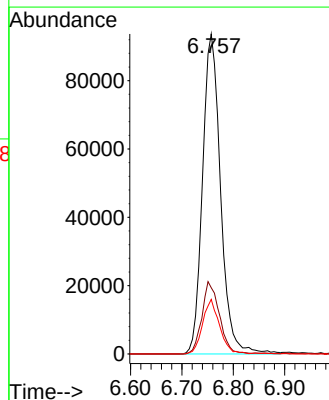
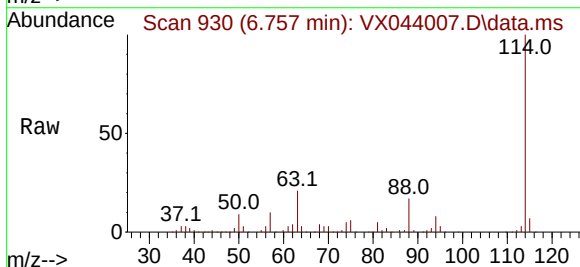
Tgt Ion:114 Resp: 228899

Ion Ratio Lower Upper

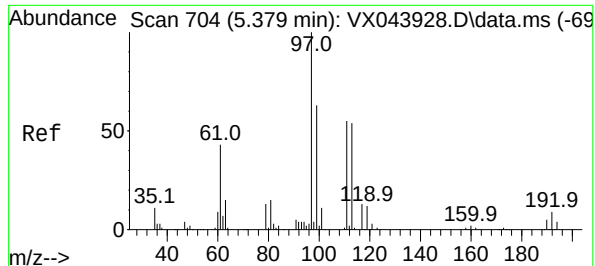
114 100

63 20.7 0.0 44.0

88 17.1 0.0 32.4







#35

Dibromofluoromethane

Concen: 48.405 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044007.D

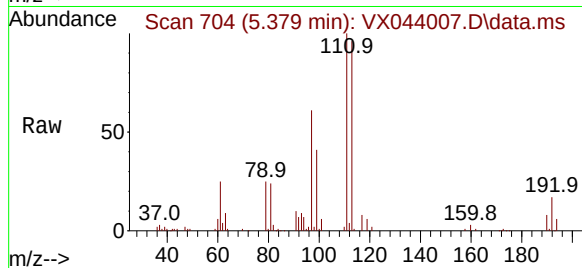
Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

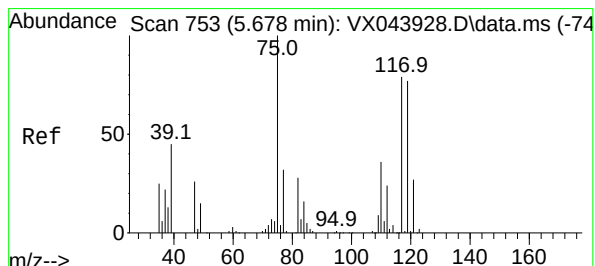
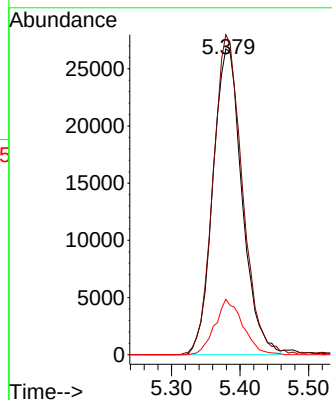
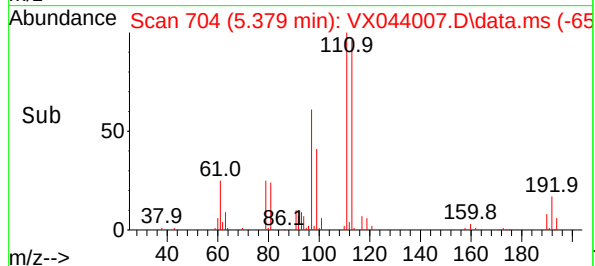


| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 113     | 100   |       |       |
| 111     | 104.6 | 81.0  | 121.4 |
| 192     | 17.3  | 13.0  | 19.6  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#36

1,1-Dichloropropene

Concen: 18.700 ug/l

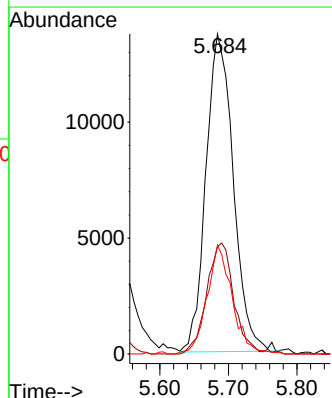
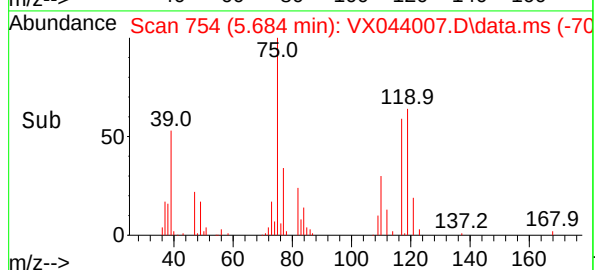
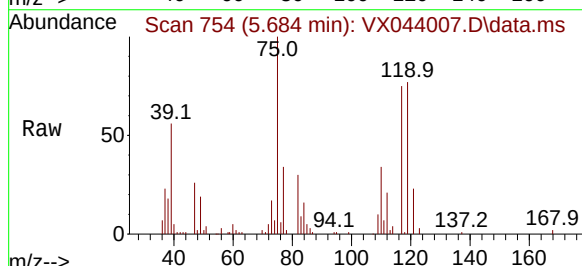
RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

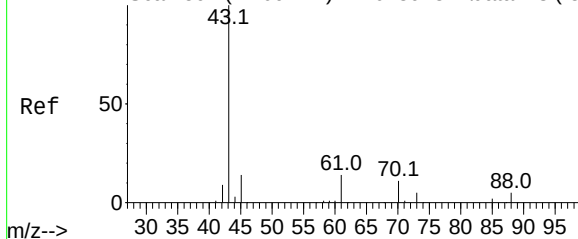
Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 75      | 100   |       |       |
| 110     | 34.5  | 17.4  | 52.2  |
| 77      | 31.5  | 25.8  | 38.8  |



Abundance Scan 594 (4.709 min): VX043928.D\data.ms (-58



#37

Ethyl Acetate

Concen: 18.532 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 43 Resp: 4688

Ion Ratio Lower Upper

43 100

61 12.4 10.7 16.1

70 9.2 8.0 12.0

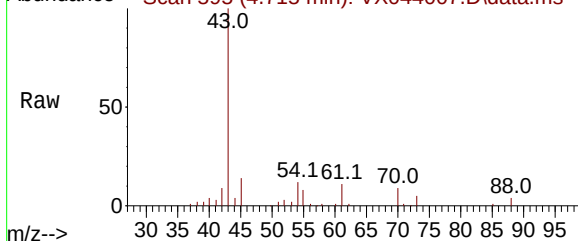
Manual Integrations

APPROVED

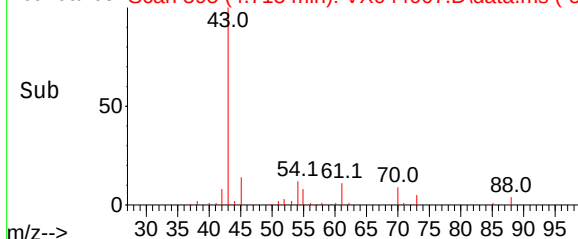
Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024

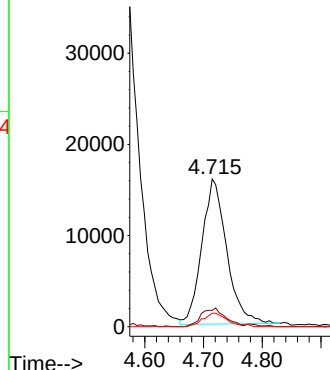
Abundance Scan 595 (4.715 min): VX044007.D\data.ms



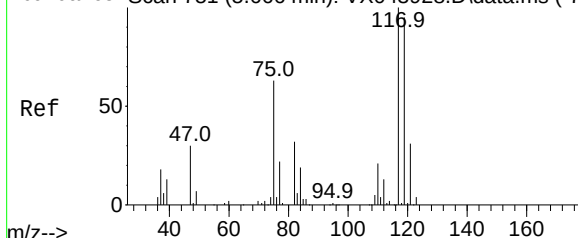
Abundance Scan 595 (4.715 min): VX044007.D\data.ms (-54



Abundance



Abundance Scan 751 (5.666 min): VX043928.D\data.ms (-73



#38

Carbon Tetrachloride

Concen: 18.046 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Tgt Ion:117 Resp: 41327

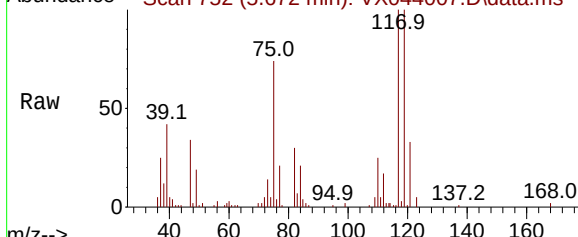
Ion Ratio Lower Upper

117 100

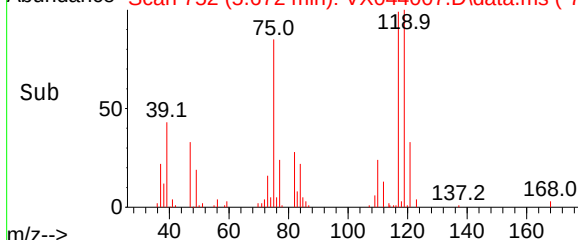
119 100.0 75.2 112.8

121 33.3 24.5 36.7

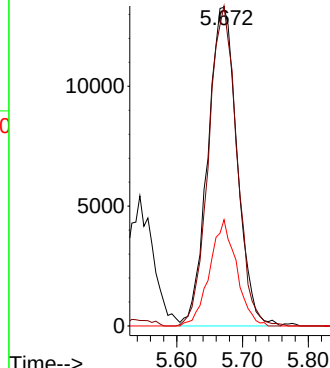
Abundance Scan 752 (5.672 min): VX044007.D\data.ms

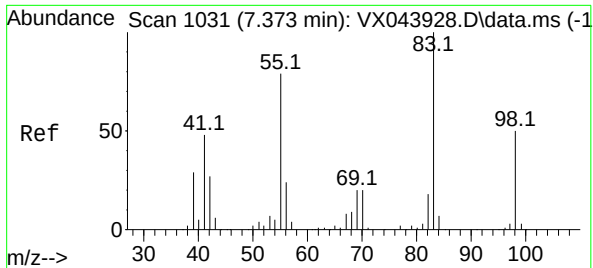


Abundance Scan 752 (5.672 min): VX044007.D\data.ms (-70



Abundance





#39

Methylcyclohexane

Concen: 17.334 ug/l

RT: 7.379 min Scan# 1031

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 83 Resp: 45898

Ion Ratio Lower Upper

83 100

55 68.4 63.1 94.7

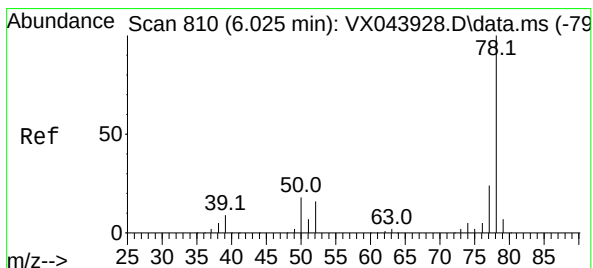
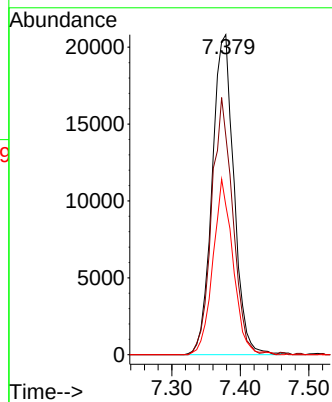
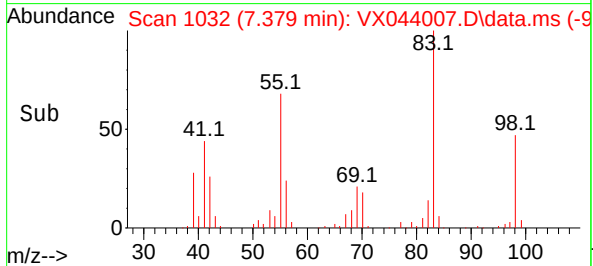
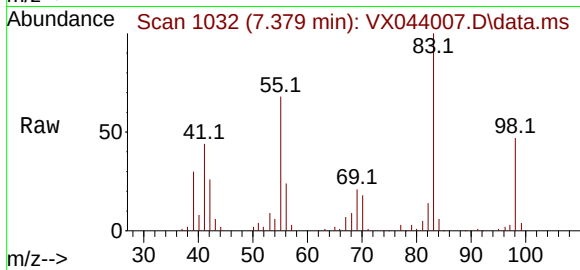
98 46.6 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#40

Benzene

Concen: 19.371 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044007.D

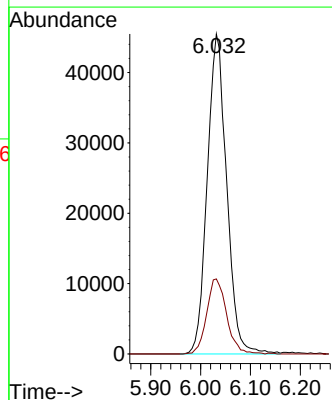
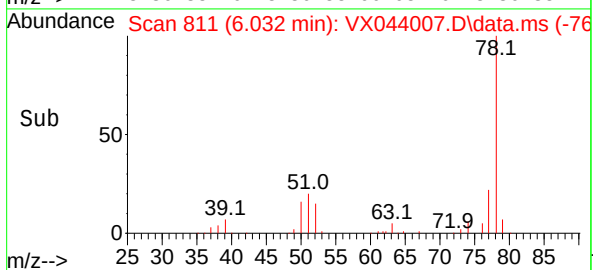
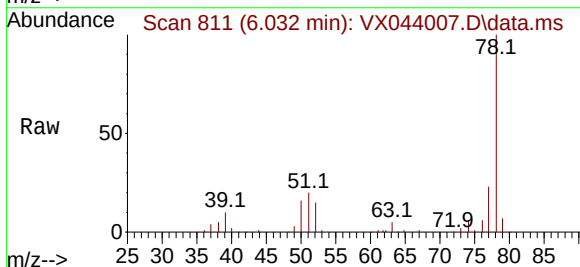
Acq: 26 Nov 2024 11:17

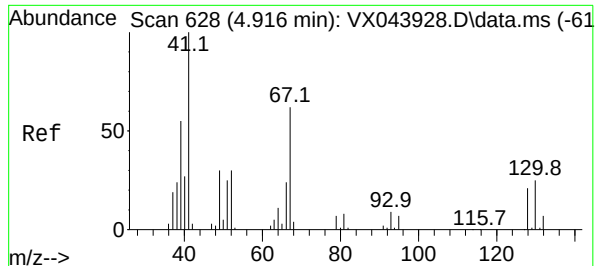
Tgt Ion: 78 Resp: 122979

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8





#41

Methacrylonitrile

Concen: 19.116 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 41 Resp: 2475

Ion Ratio Lower Upper

41 100

39 56.7 41.7 62.5

67 74.5 55.8 83.8

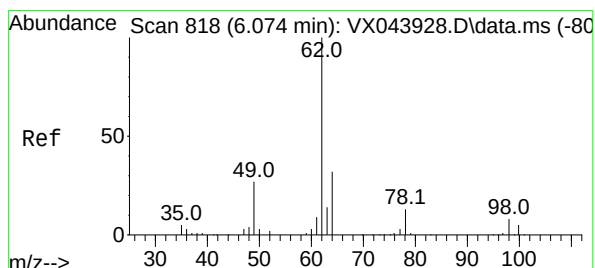
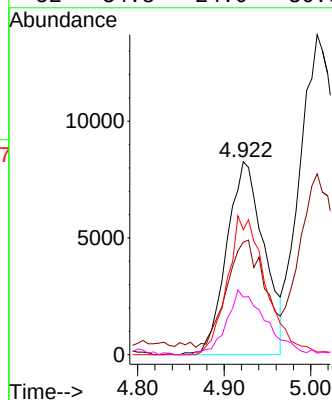
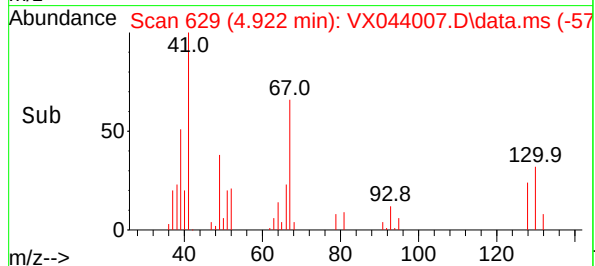
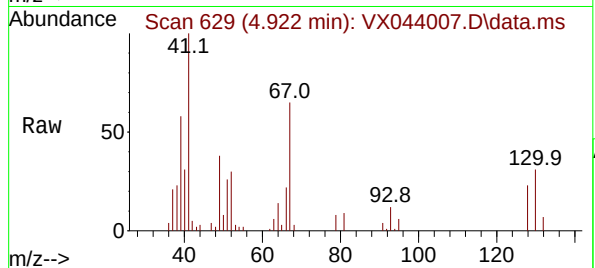
52 34.8 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#42

1,2-Dichloroethane

Concen: 19.425 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX044007.D

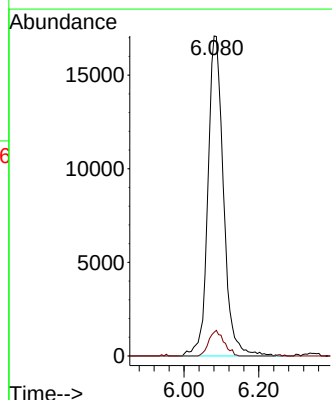
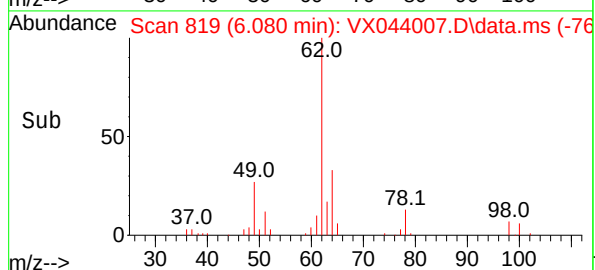
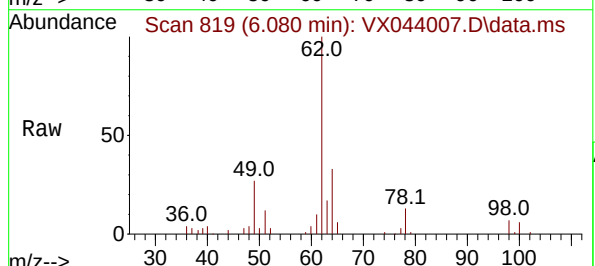
Acq: 26 Nov 2024 11:17

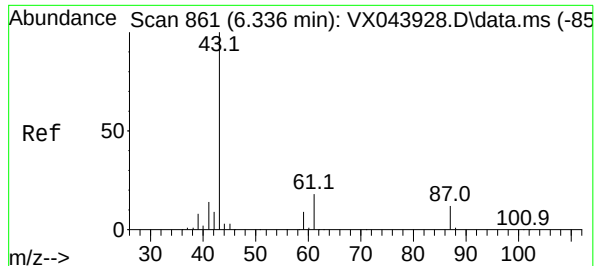
Tgt Ion: 62 Resp: 49529

Ion Ratio Lower Upper

62 100

98 7.8 0.0 16.4





#43

Isopropyl Acetate

Concen: 19.307 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 43 Resp: 77739

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

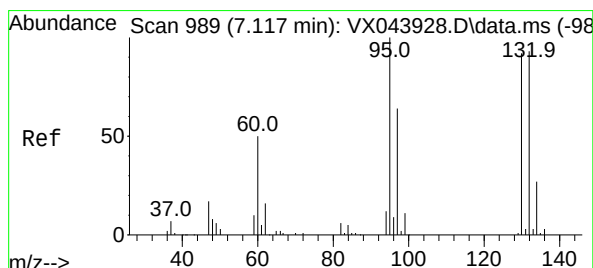
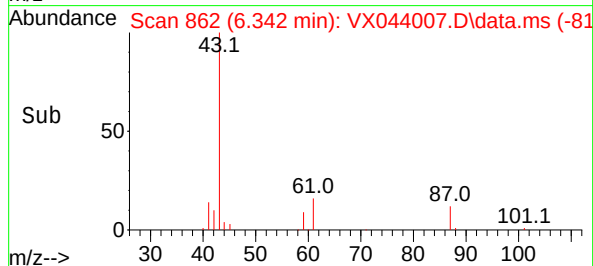
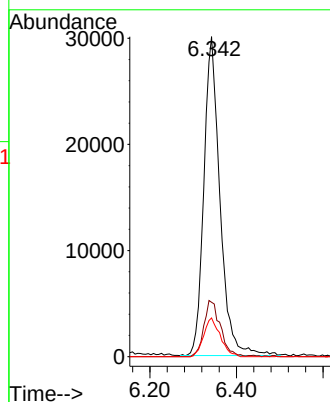
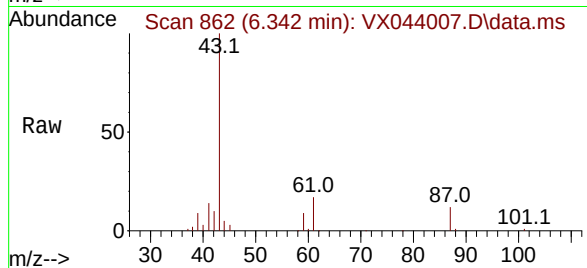
87 12.4 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#44

Trichloroethene

Concen: 17.152 ug/l

RT: 7.117 min Scan# 989

Delta R.T. 0.000 min

Lab File: VX044007.D

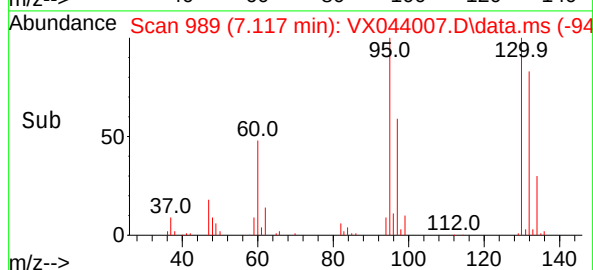
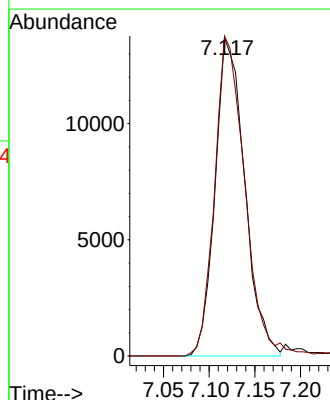
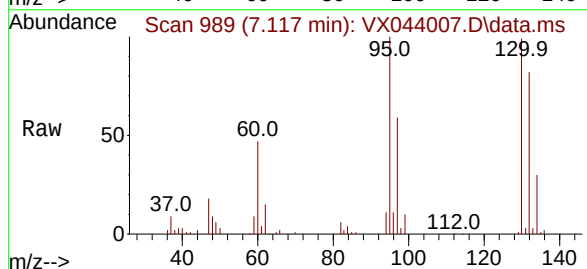
Acq: 26 Nov 2024 11:17

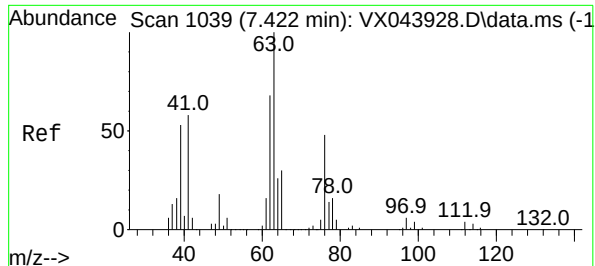
Tgt Ion:130 Resp: 30827

Ion Ratio Lower Upper

130 100

95 100.6 0.0 217.8





#45

1,2-Dichloropropane

Concen: 20.023 ug/l

RT: 7.428 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 63 Resp: 3113

Ion Ratio Lower Upper

63 100

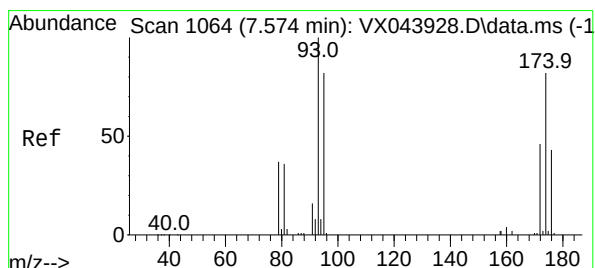
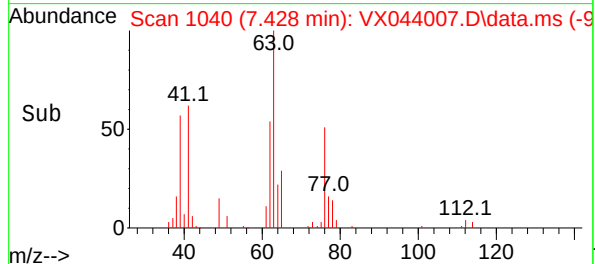
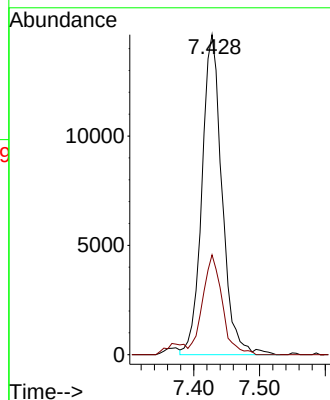
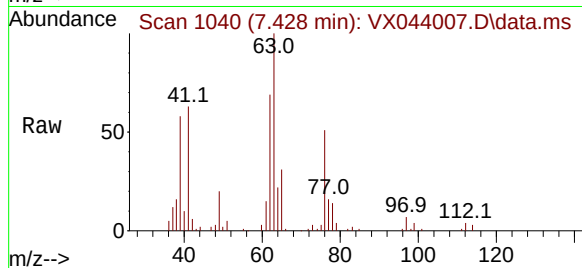
65 31.2 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#46

Dibromomethane

Concen: 20.022 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

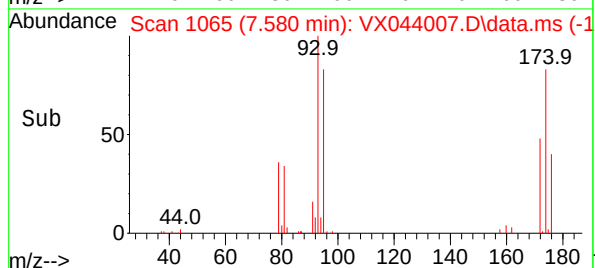
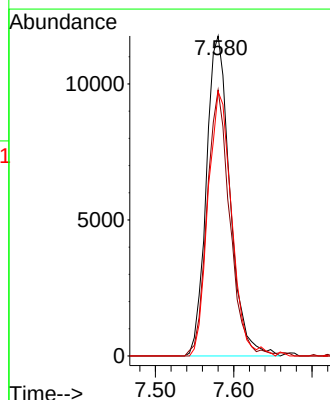
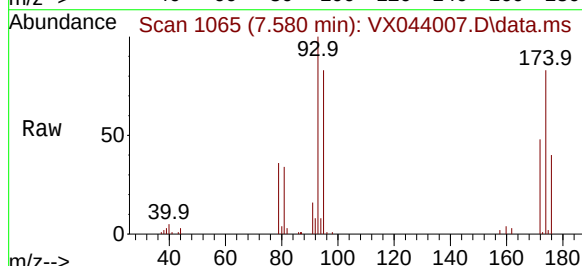
Tgt Ion: 93 Resp: 24627

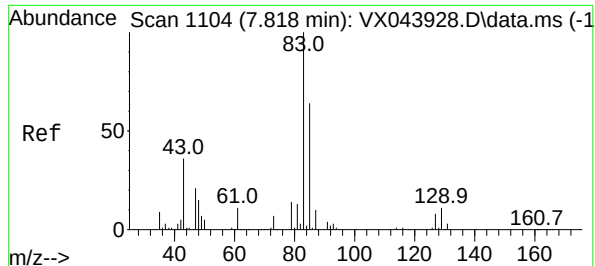
Ion Ratio Lower Upper

93 100

95 80.1 66.2 99.4

174 82.6 69.6 104.4





#47

Bromodichloromethane

Concen: 19.598 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

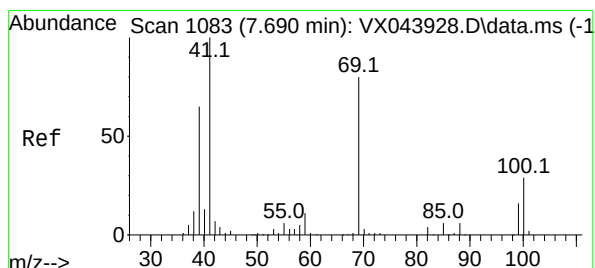
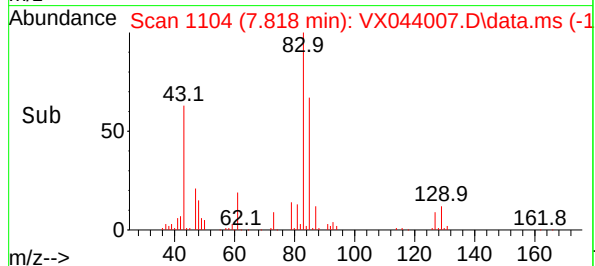
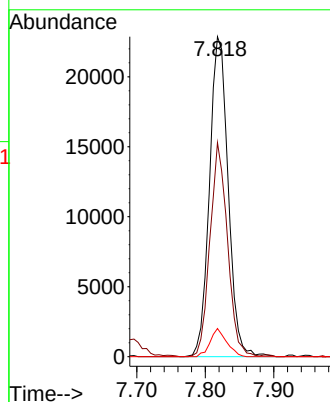
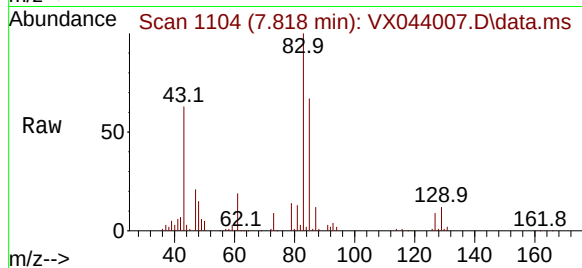
VX1126WBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 43234 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 66.9     | 51.4 77.0   |
| 127 8.8     | 6.6 10.0    |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024



#48

Methyl methacrylate

Concen: 18.221 ug/l

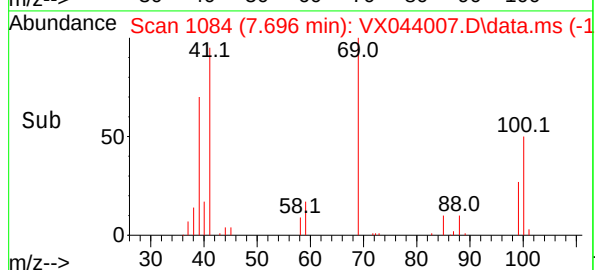
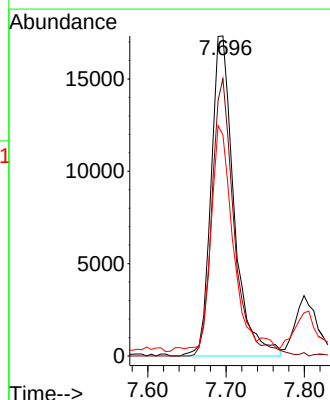
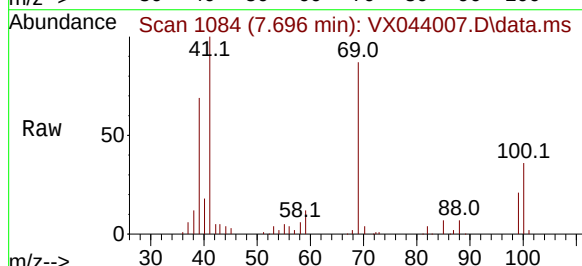
RT: 7.696 min Scan# 1084

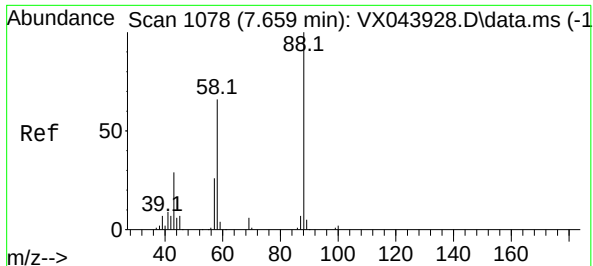
Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 35204 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 83.5     | 64.6 97.0   |
| 39 65.8     | 53.3 79.9   |





#49

1,4-Dioxane

Concen: 312.828 ug/l

RT: 7.665 min Scan# 1076

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 88 Resp: 1076

Ion Ratio Lower Upper

88 100

43 35.9 26.8 40.2

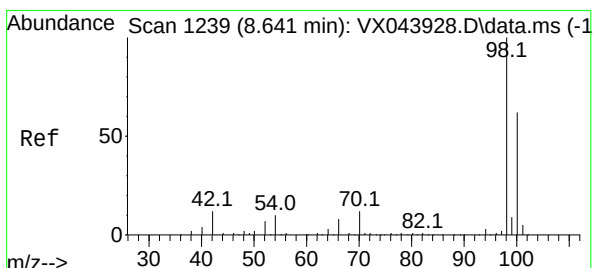
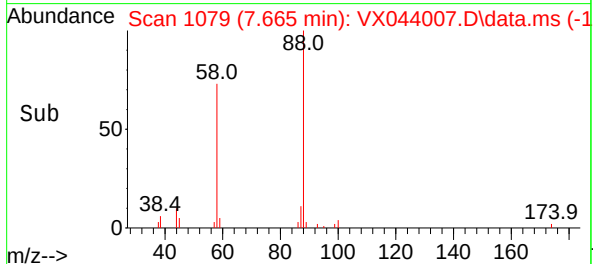
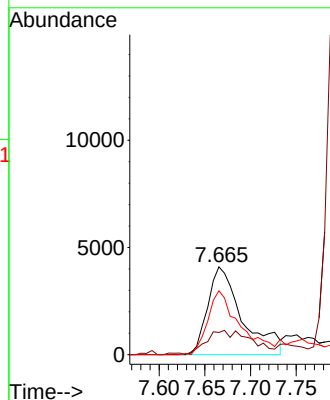
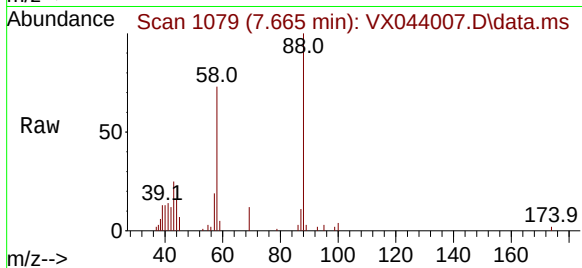
58 67.7 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#50

Toluene-d8

Concen: 49.197 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044007.D

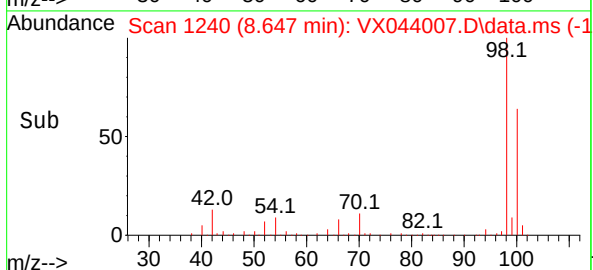
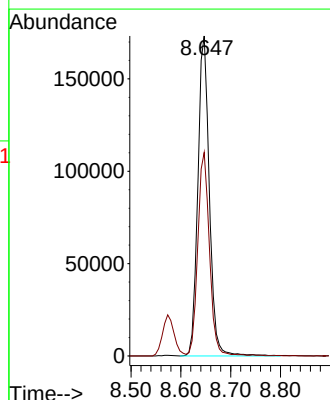
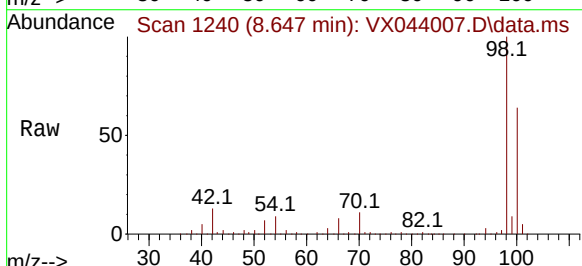
Acq: 26 Nov 2024 11:17

Tgt Ion: 98 Resp: 277374

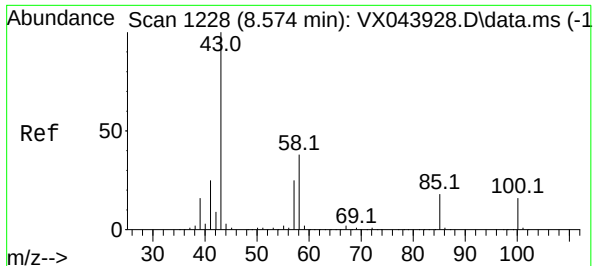
Ion Ratio Lower Upper

98 100

100 63.8 52.6 79.0

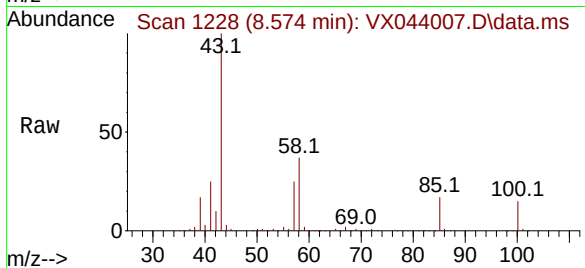






#51  
4-Methyl-2-Pentanone  
Concen: 100.516 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

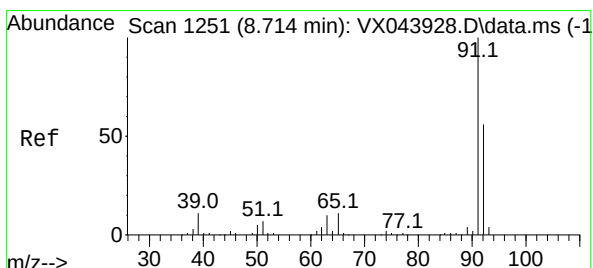
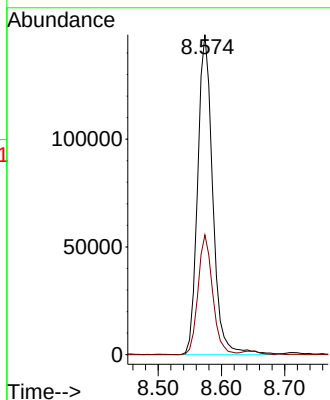
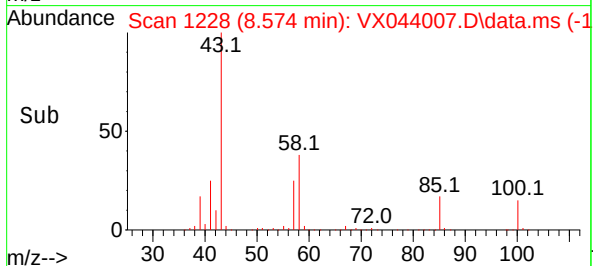
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01



Tgt Ion: 43 Resp: 24697  
Ion Ratio Lower Upper  
43 100  
58 36.2 30.0 45.0

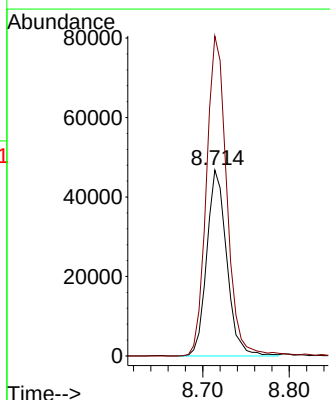
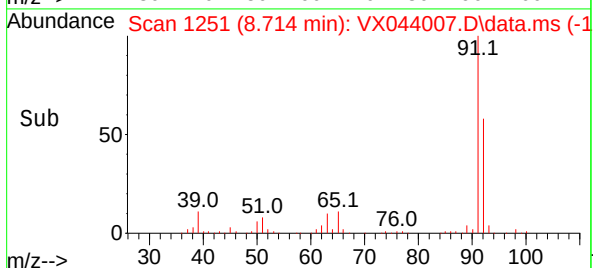
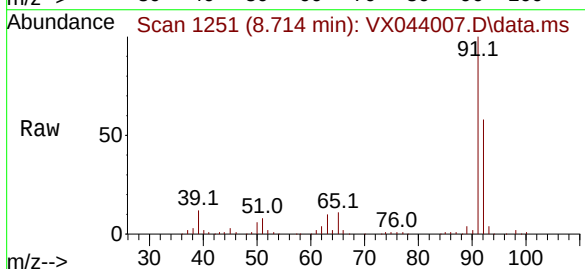
Manual Integrations  
APPROVED

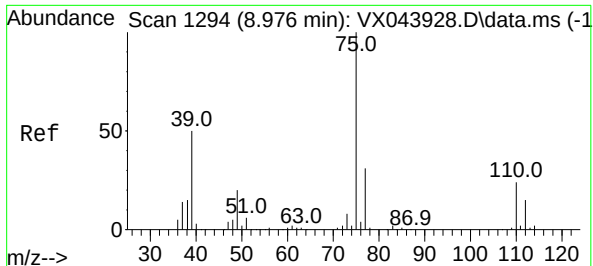
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#52  
Toluene  
Concen: 19.767 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 92 Resp: 75111  
Ion Ratio Lower Upper  
92 100  
91 175.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 19.090 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 75 Resp: 42940

Ion Ratio Lower Upper

75 100

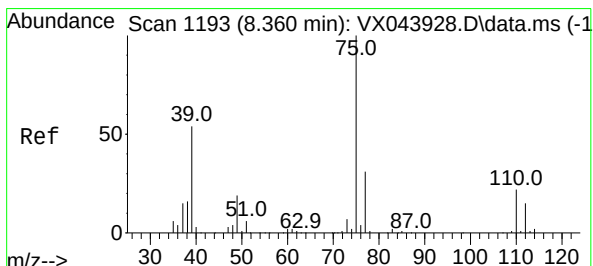
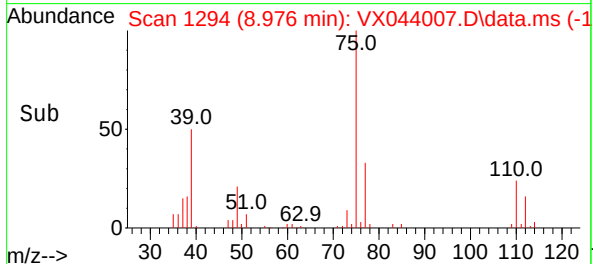
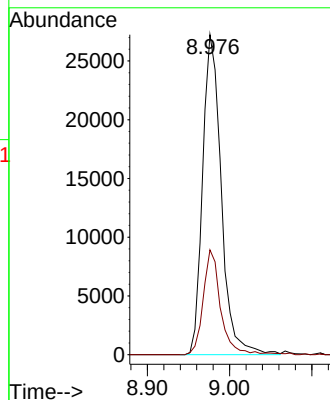
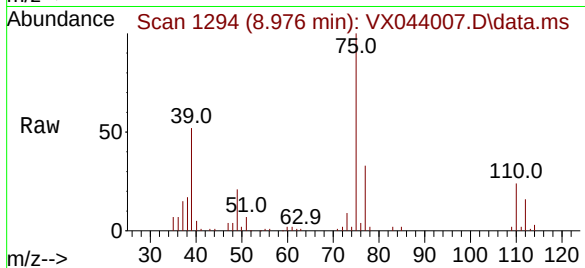
77 32.7 25.1 37.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#54

cis-1,3-Dichloropropene

Concen: 18.729 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

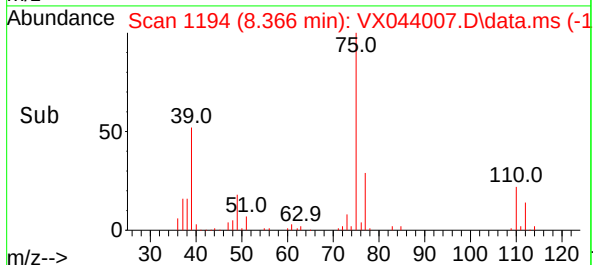
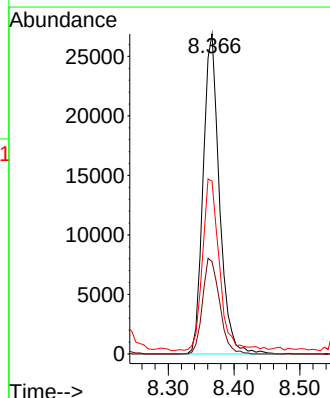
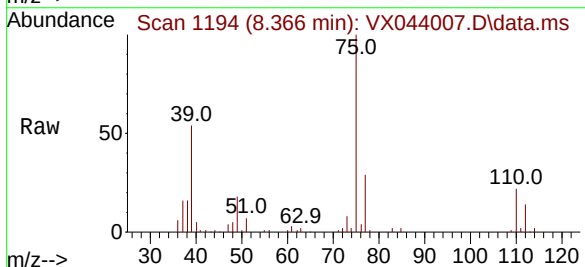
Tgt Ion: 75 Resp: 46188

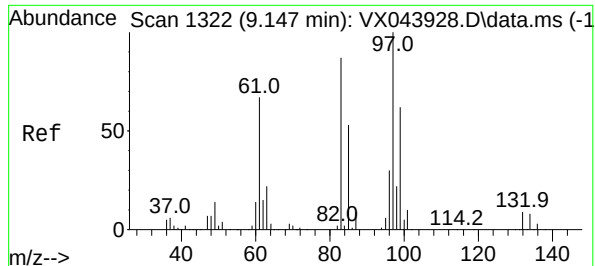
Ion Ratio Lower Upper

75 100

77 28.9 25.2 37.8

39 52.7 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 19.793 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 97 Resp: 3104

Ion Ratio Lower Upper

97 100

83 83.2 69.4 104.0

85 58.6 42.3 63.5

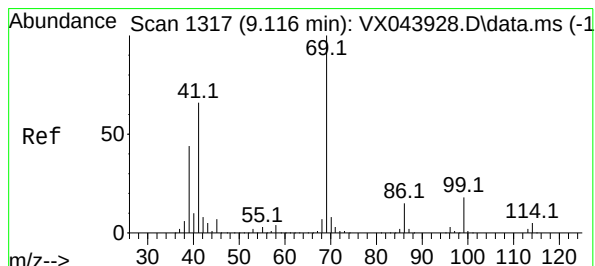
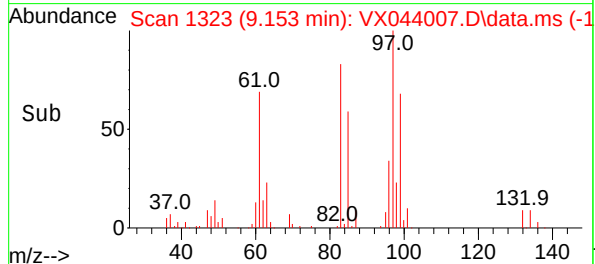
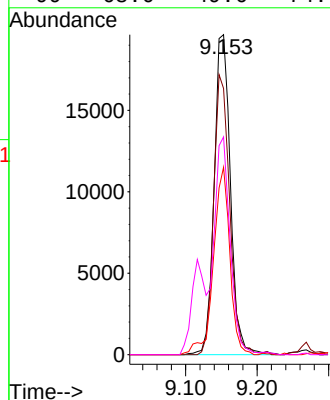
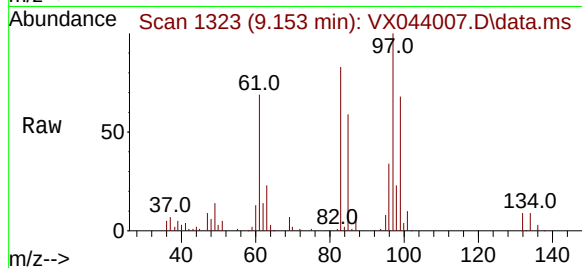
99 68.0 49.6 74.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#56

Ethyl methacrylate

Concen: 19.958 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

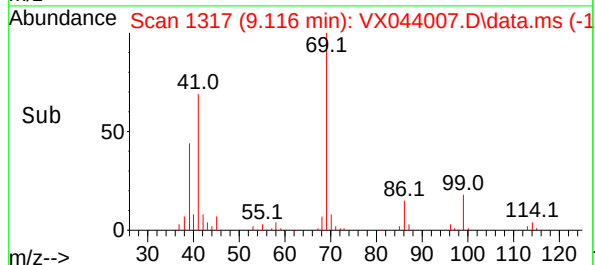
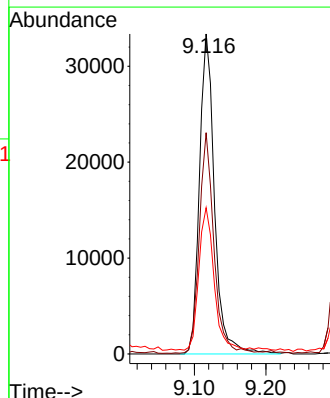
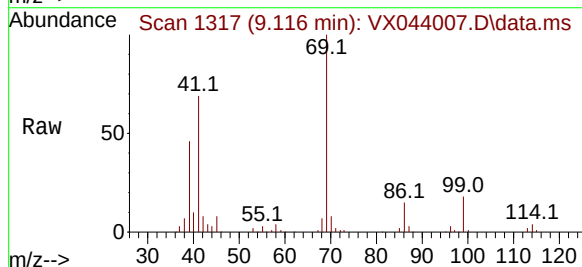
Tgt Ion: 69 Resp: 48761

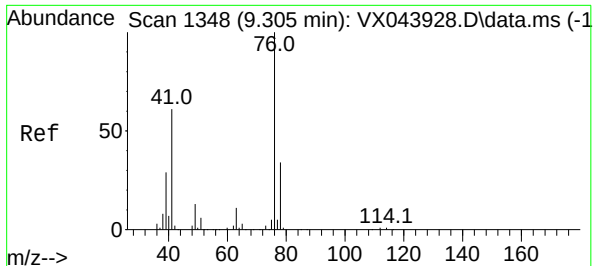
Ion Ratio Lower Upper

69 100

41 67.1 55.8 83.8

39 44.6 36.7 55.1





#57

1,3-Dichloropropane

Concen: 20.786 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 76 Resp: 54924

Ion Ratio Lower Upper

76 100

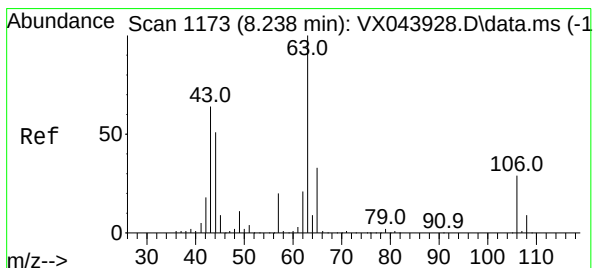
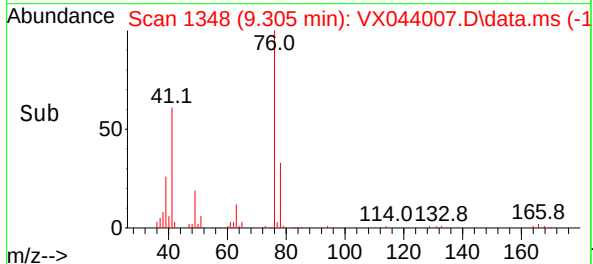
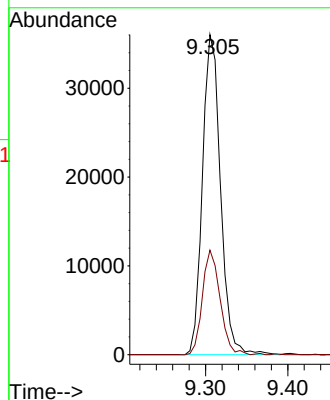
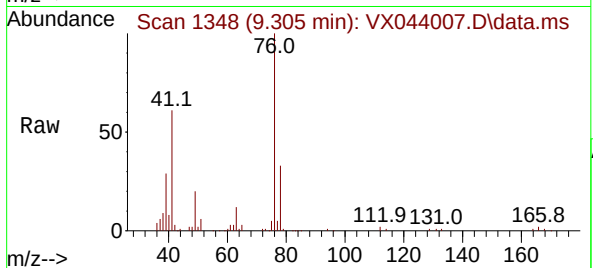
78 31.9 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#58

2-Chloroethyl Vinyl ether

Concen: 84.828 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044007.D

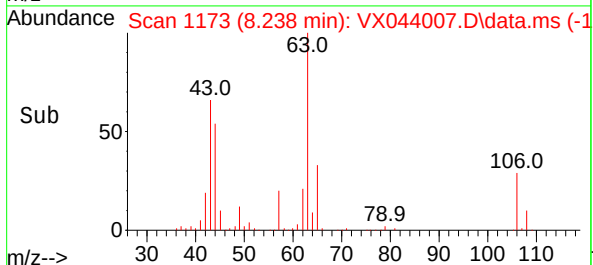
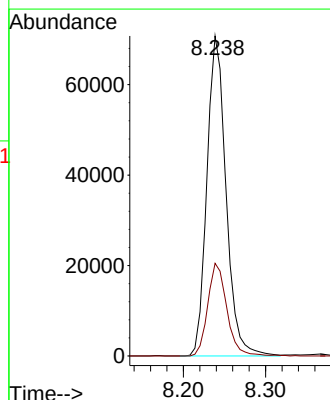
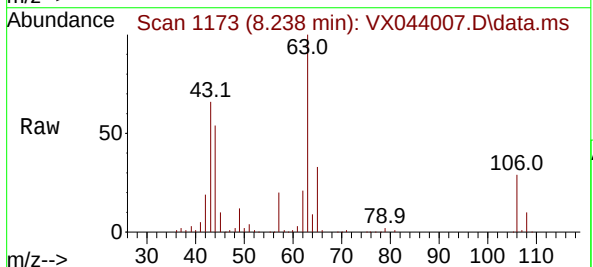
Acq: 26 Nov 2024 11:17

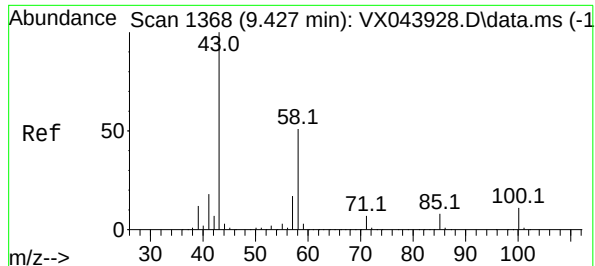
Tgt Ion: 63 Resp: 114449

Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6





#59

2-Hexanone

Concen: 99.251 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 43 Resp: 183298

Ion Ratio Lower Upper

43 100

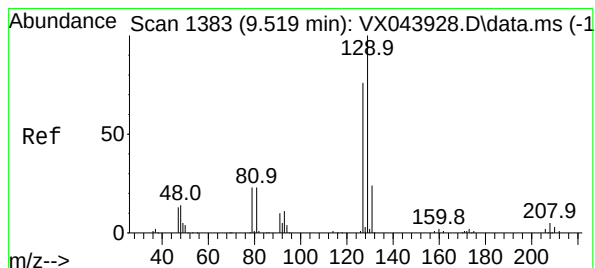
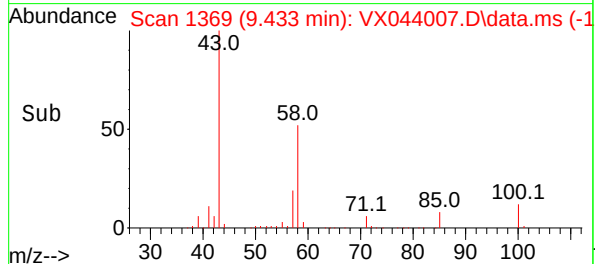
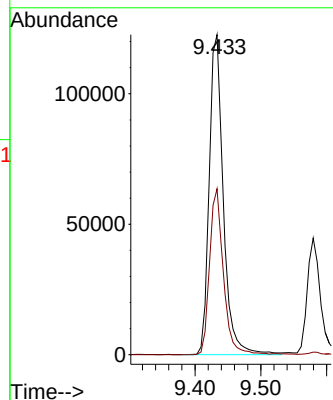
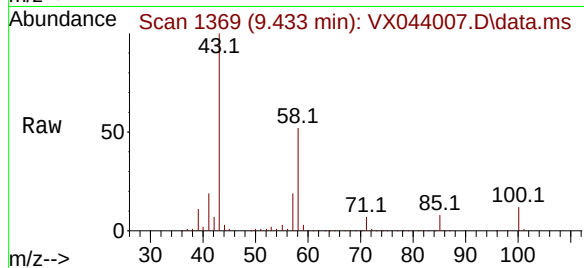
58 51.1 25.9 77.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#60

Dibromochloromethane

Concen: 18.608 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044007.D

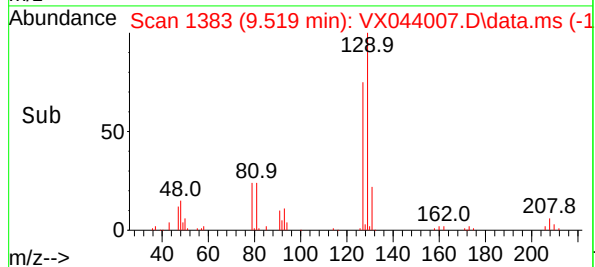
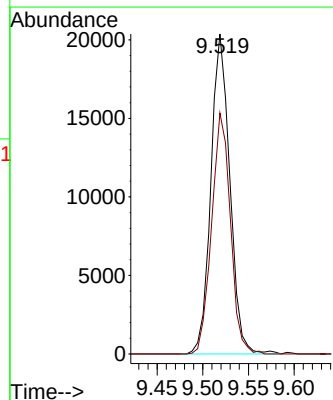
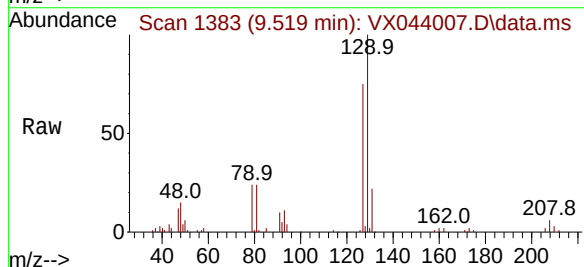
Acq: 26 Nov 2024 11:17

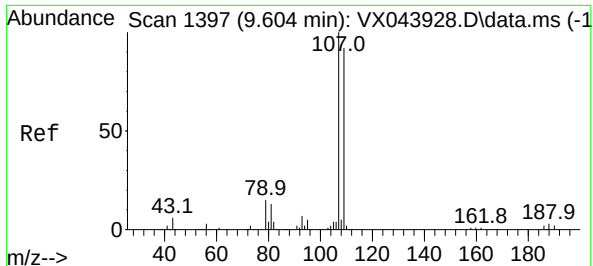
Tgt Ion:129 Resp: 29286

Ion Ratio Lower Upper

129 100

127 74.7 38.2 114.6





#61

1,2-Dibromomethane

Concen: 19.831 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 107 Resp: 31454

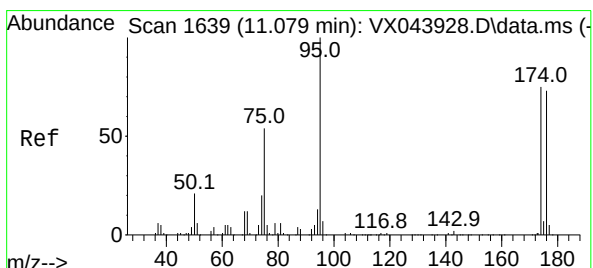
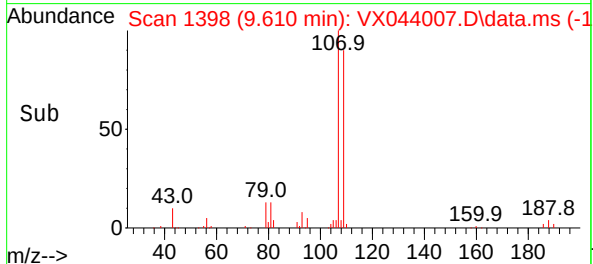
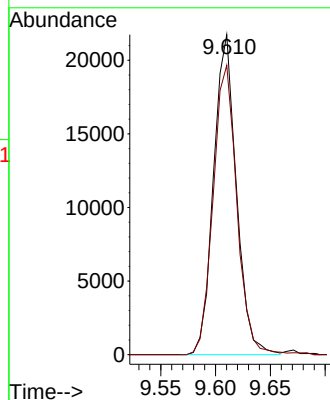
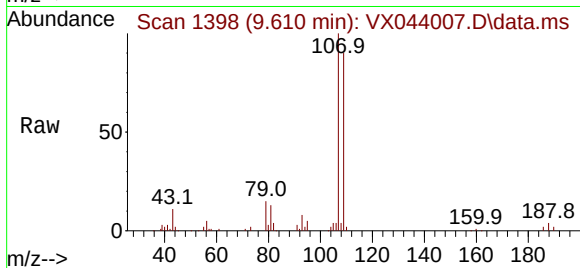
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 107 | 100   |       |       |
| 109 | 94.4  | 75.2  | 112.8 |

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#62

4-Bromofluorobenzene

Concen: 49.114 ug/l

RT: 11.079 min Scan# 1639

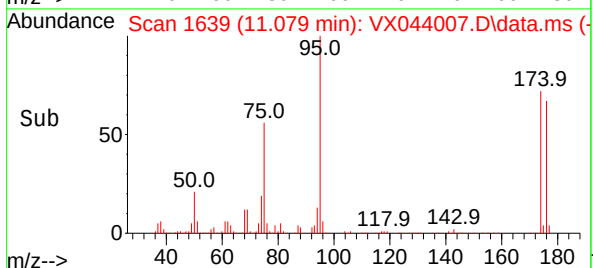
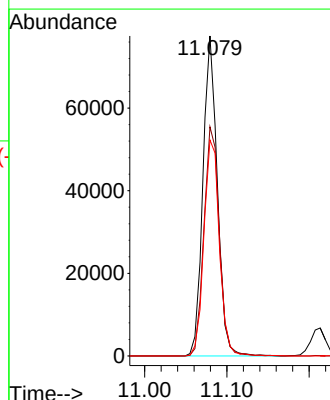
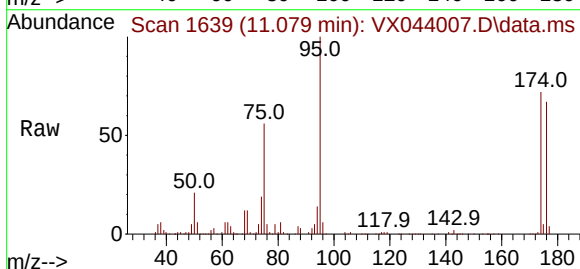
Delta R.T. 0.000 min

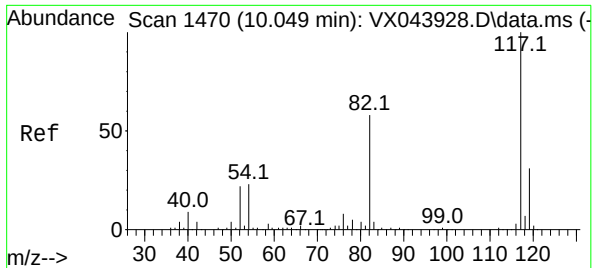
Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Tgt Ion: 95 Resp: 94239

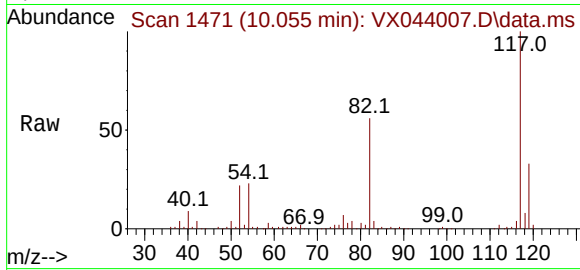
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 95  | 100   |       |       |
| 174 | 76.3  | 0.0   | 150.4 |
| 176 | 72.4  | 0.0   | 146.0 |





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

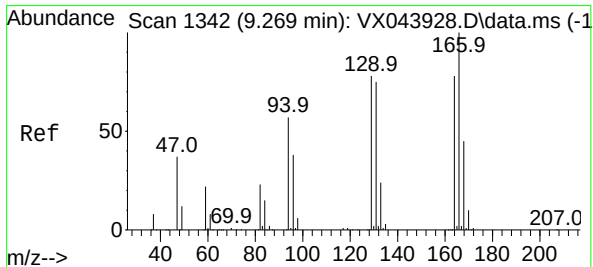
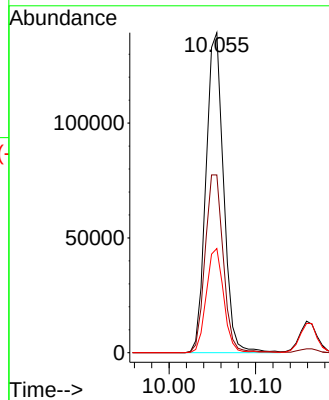
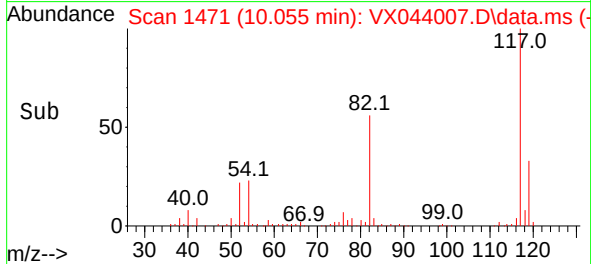
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01



Tgt Ion:117 Resp: 19678  
Ion Ratio Lower Upper  
117 100  
82 55.5 46.4 69.6  
119 32.6 24.6 37.0

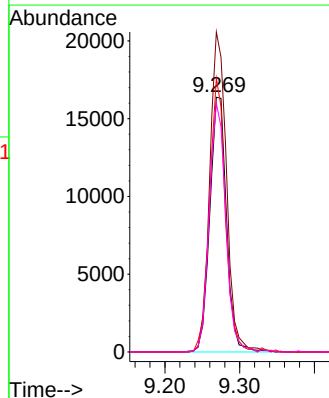
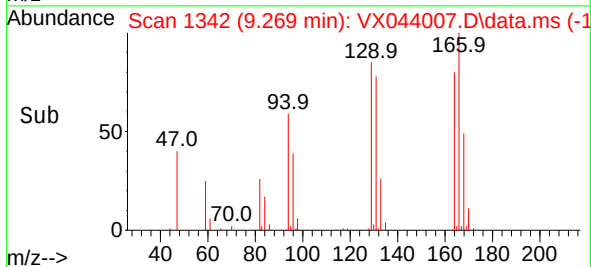
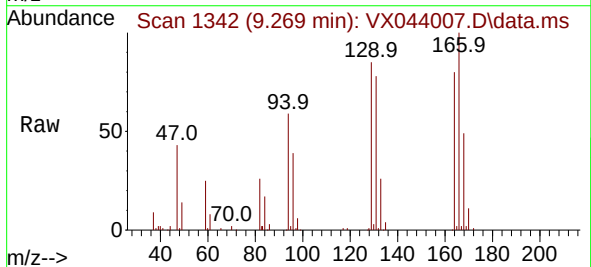
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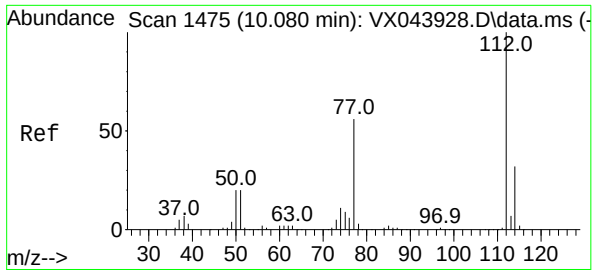
Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#64  
Tetrachloroethene  
Concen: 19.609 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion:164 Resp: 25444  
Ion Ratio Lower Upper  
164 100  
166 125.6 102.1 153.1  
129 107.4 79.6 119.4  
131 97.6 76.9 115.3





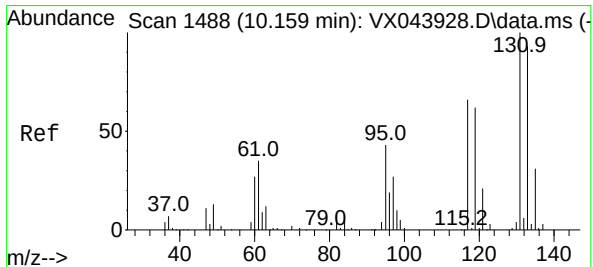
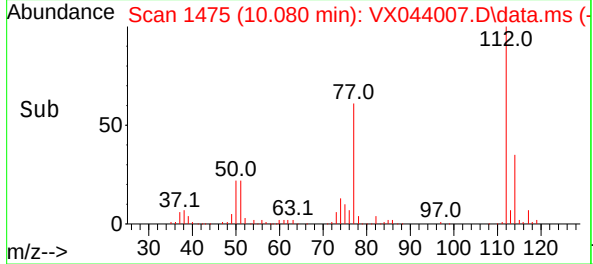
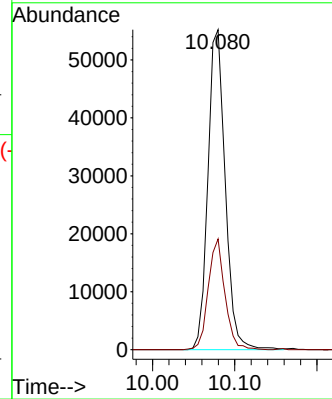
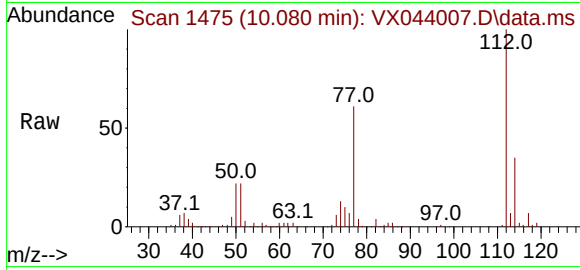
#65  
Chlorobenzene  
Concen: 18.694 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion:112 Resp: 80790  
Ion Ratio Lower Upper  
112 100  
114 34.6 25.4 38.0

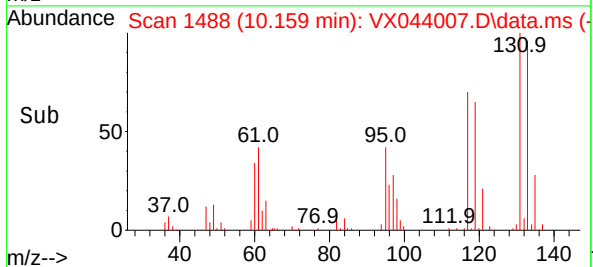
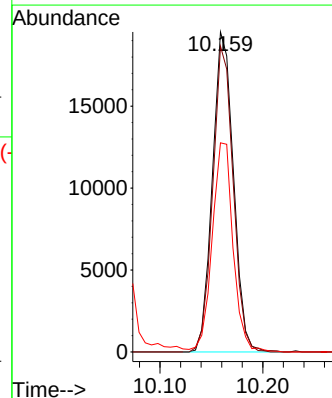
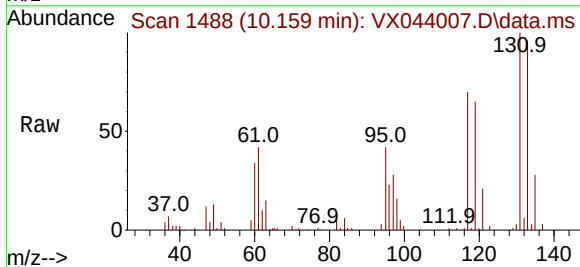
Manual Integrations  
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Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

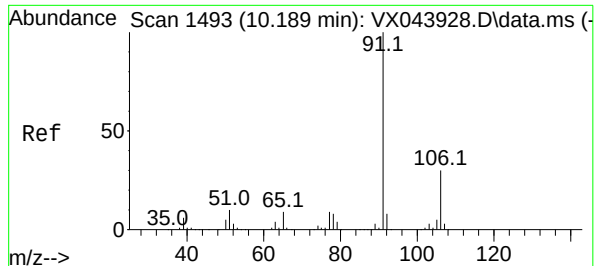


#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.792 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion:131 Resp: 27742  
Ion Ratio Lower Upper  
131 100  
133 92.9 48.2 144.6  
119 65.2 31.5 94.5







#67

Ethyl Benzene

Concen: 19.329 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 91 Resp: 14155

Ion Ratio Lower Upper

91 100

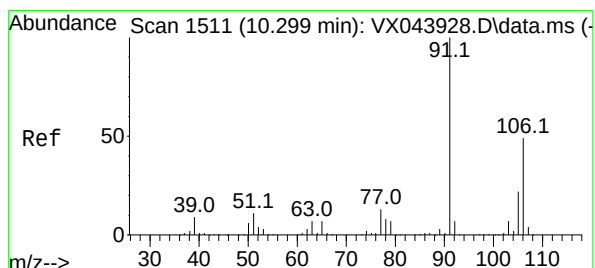
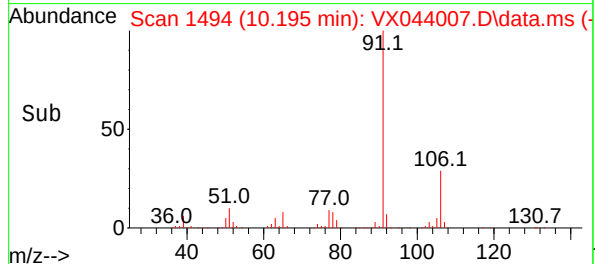
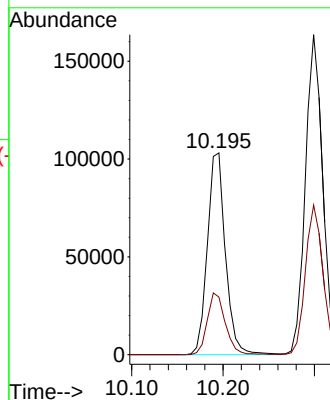
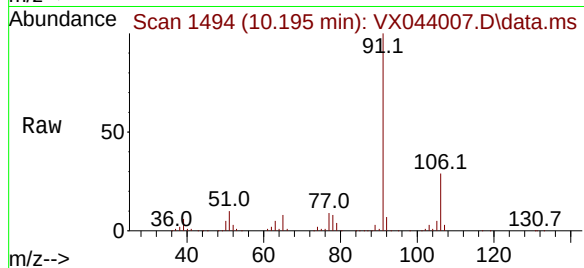
106 28.5 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#68

m/p-Xylenes

Concen: 38.544 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044007.D

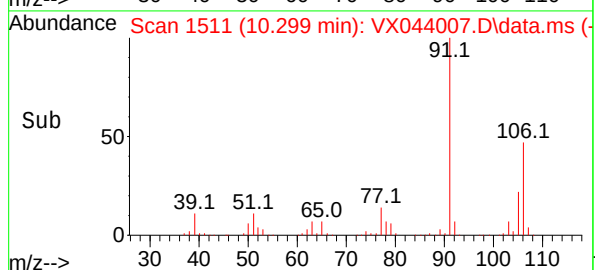
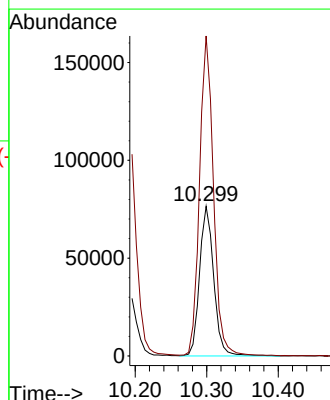
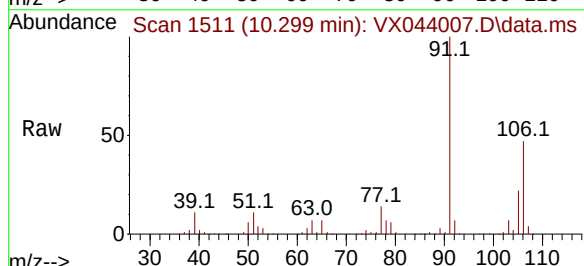
Acq: 26 Nov 2024 11:17

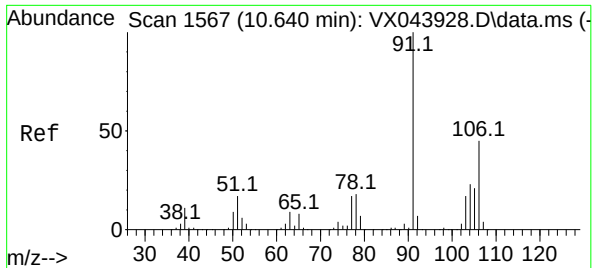
Tgt Ion:106 Resp: 105269

Ion Ratio Lower Upper

106 100

91 209.5 168.1 252.1





#69

o-Xylene

Concen: 19.737 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion:106 Resp: 52630

Ion Ratio Lower Upper

106 100

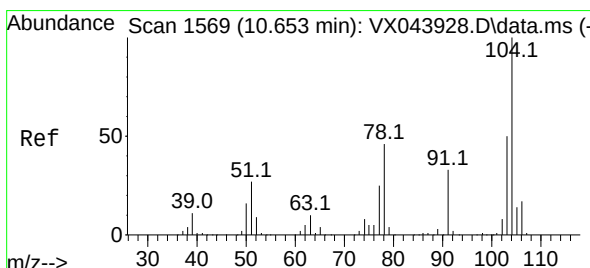
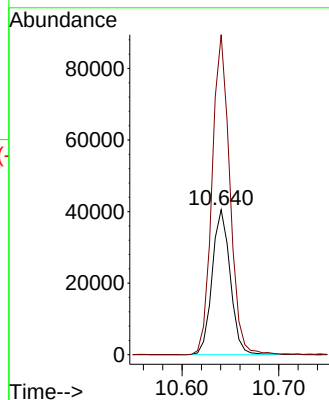
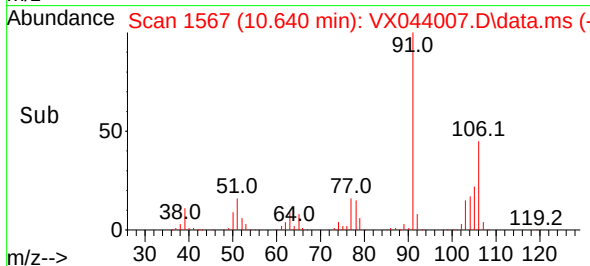
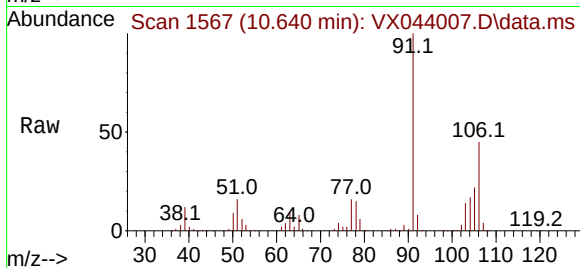
91 217.4 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#70

Styrene

Concen: 19.581 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

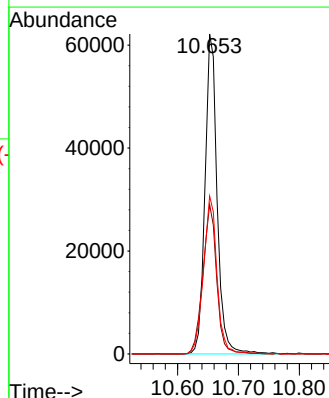
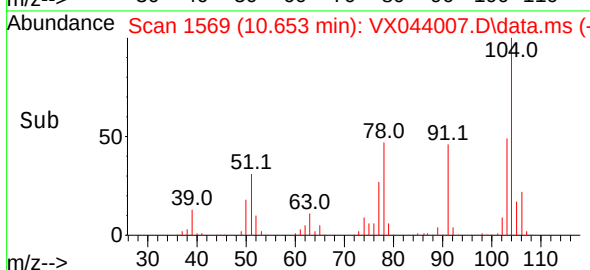
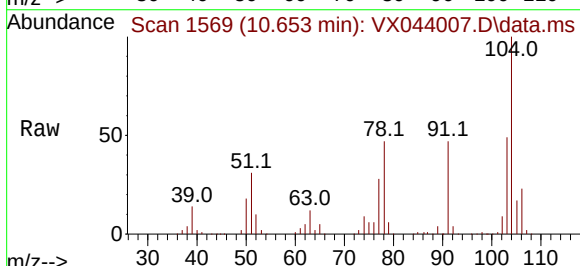
Tgt Ion:104 Resp: 86358

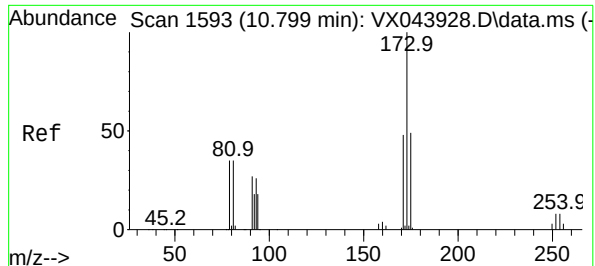
Ion Ratio Lower Upper

104 100

78 52.8 42.2 63.2

103 55.1 44.7 67.1





#71

Bromoform

Concen: 17.613 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

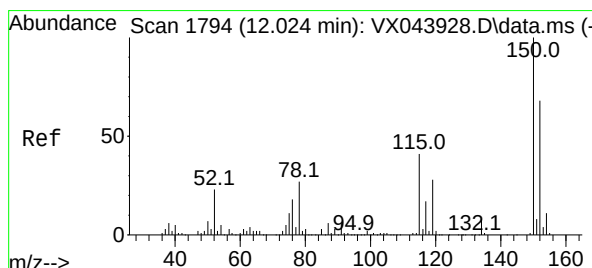
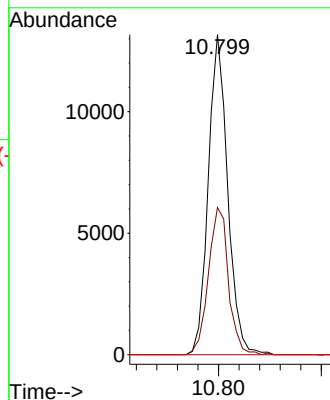
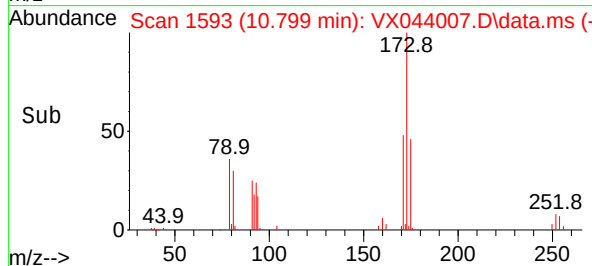
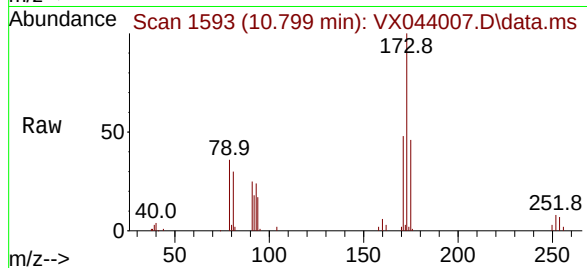
VX1126WBS01

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 1726 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 47.7  | 24.1  | 72.2 |
| 254       | 0.0   | 0.0   | 0.0  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

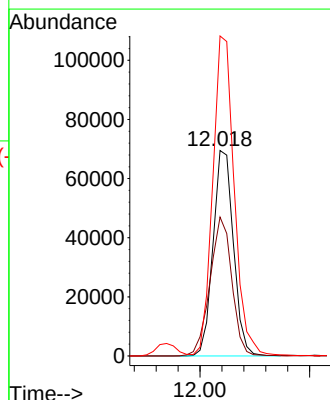
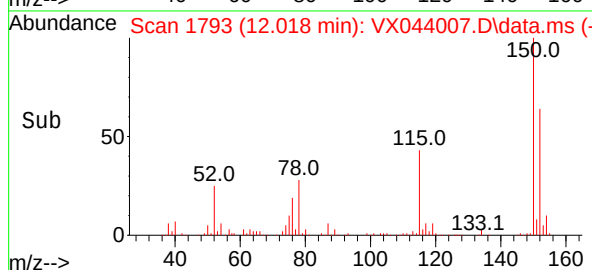
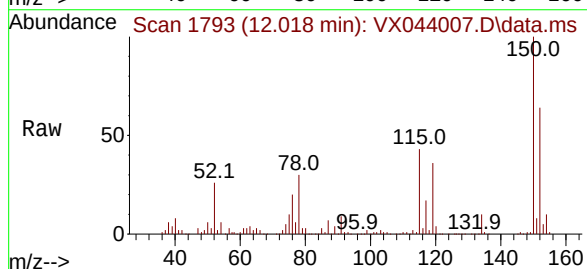
RT: 12.018 min Scan# 1793

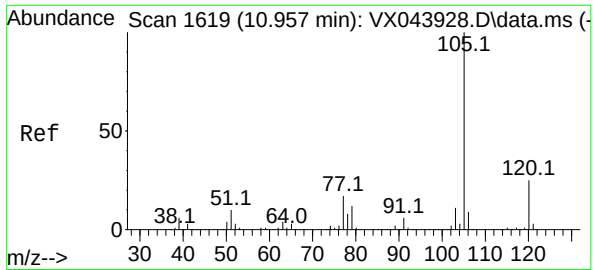
Delta R.T. -0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 89836 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 72.3  | 45.4  | 136.2 |
| 150       | 164.0 | 0.0   | 353.0 |





#73

Isopropylbenzene

Concen: 19.732 ug/l

RT: 10.957 min Scan# 1619

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion:105 Resp: 136262

Ion Ratio Lower Upper

105 100

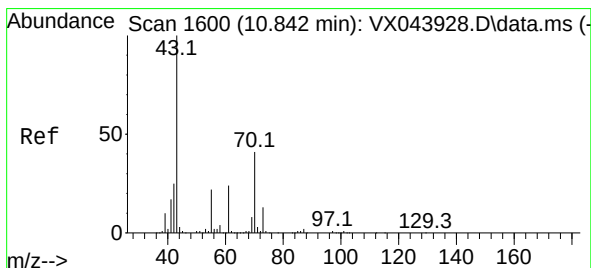
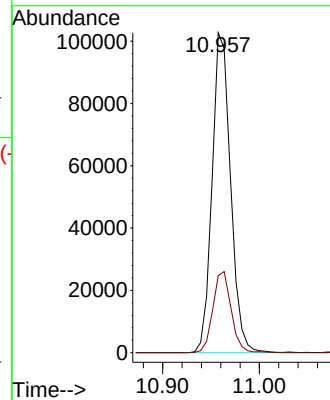
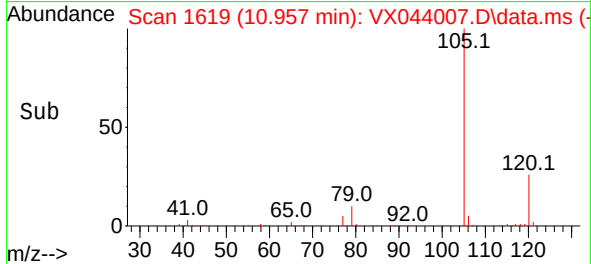
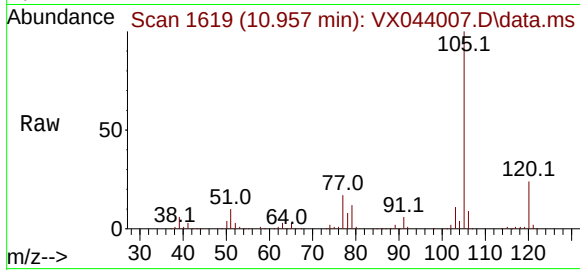
120 25.1 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#74

N-ethyl acetate

Concen: 19.157 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 61285

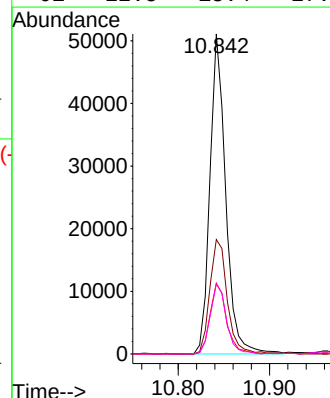
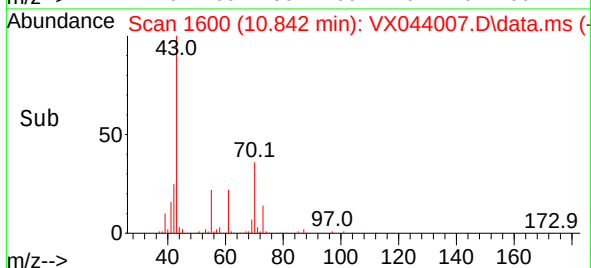
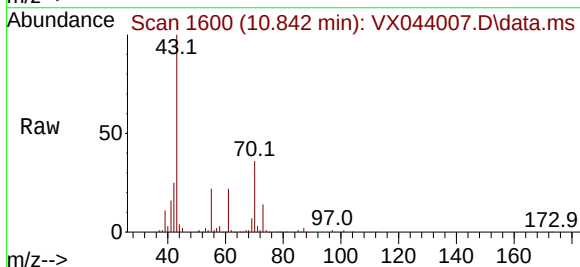
Ion Ratio Lower Upper

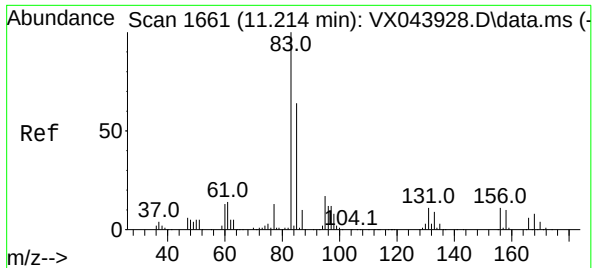
43 100

70 39.8 32.2 48.2

55 23.2 18.1 27.1

61 22.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.556 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 83 Resp: 48609

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.2

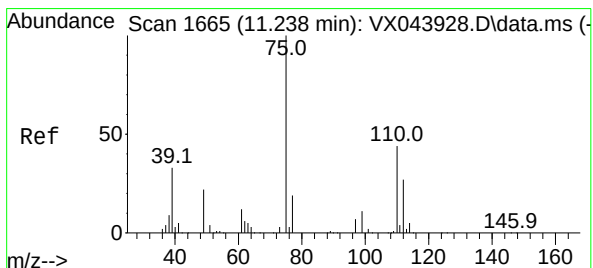
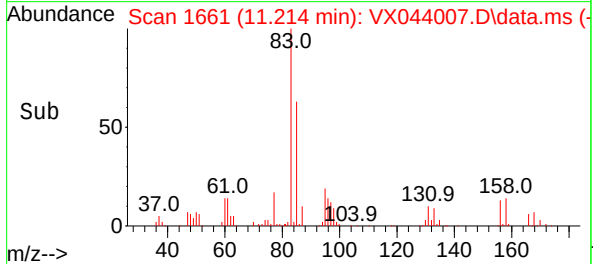
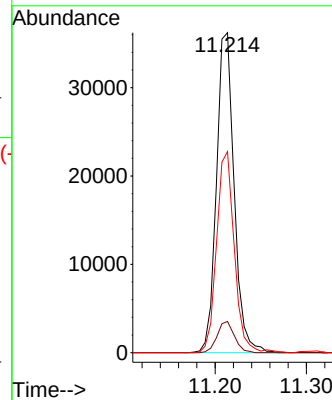
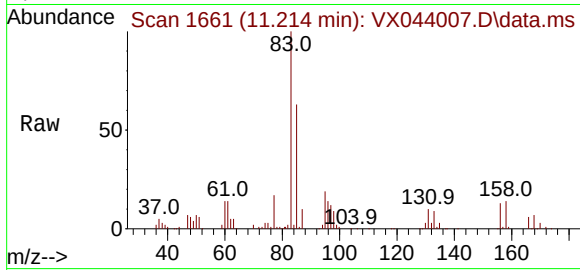
85 63.0 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#76

1,2,3-Trichloropropane

Concen: 19.602 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044007.D

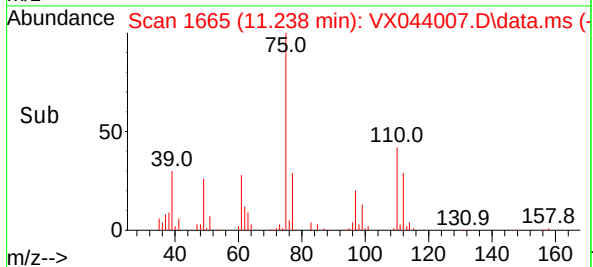
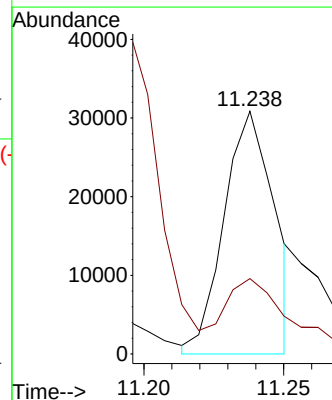
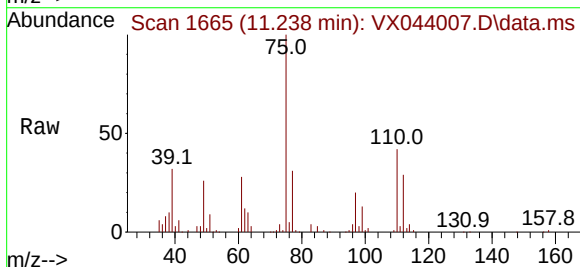
Acq: 26 Nov 2024 11:17

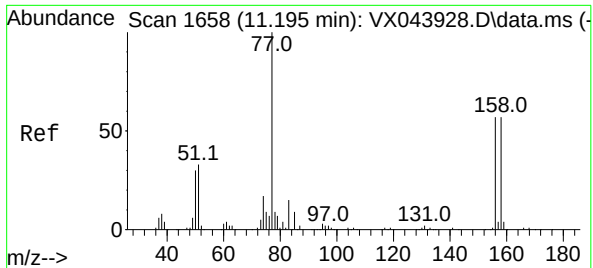
Tgt Ion: 75 Resp: 38617

Ion Ratio Lower Upper

75 100

77 41.1 21.8 65.3





#77

Bromobenzene

Concen: 19.878 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion:156 Resp: 32749

Ion Ratio Lower Upper

156 100

77 163.9 83.4 250.1

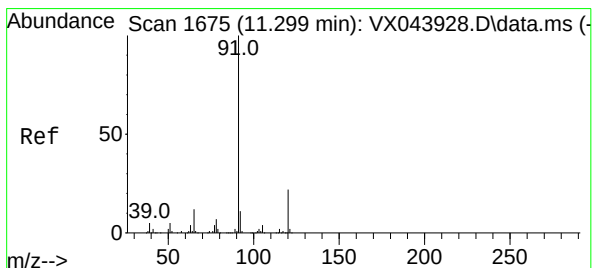
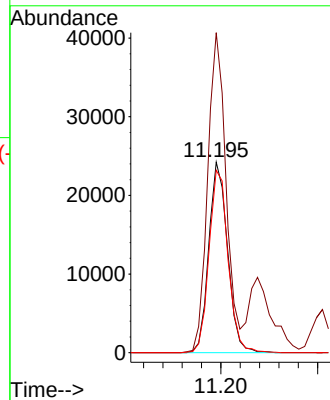
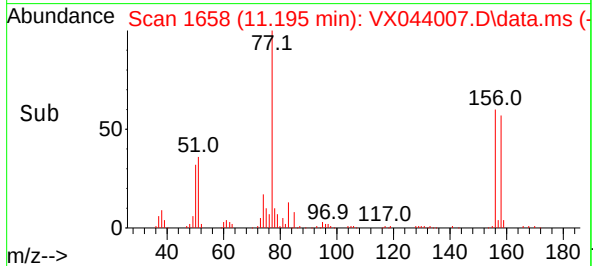
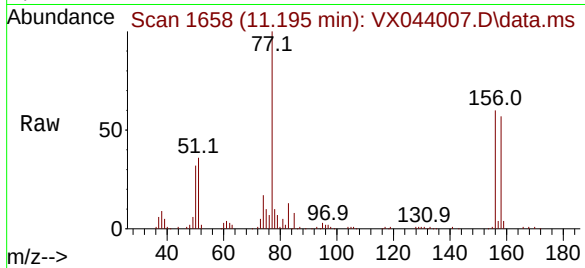
158 97.3 47.6 142.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#78

n-propylbenzene

Concen: 19.648 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044007.D

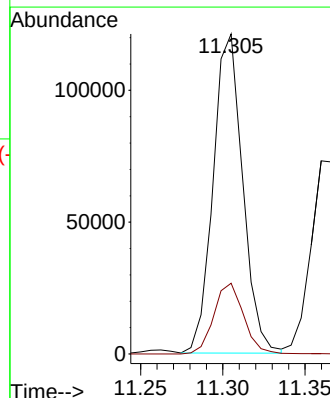
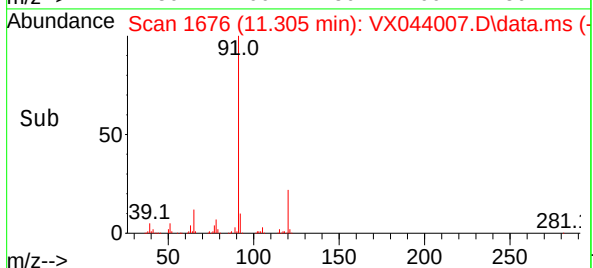
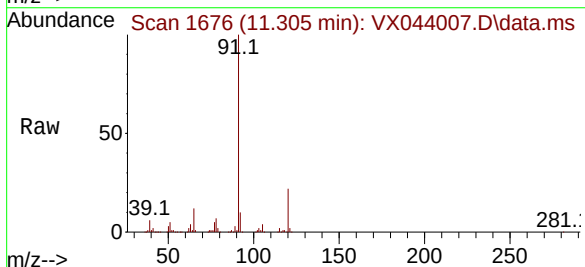
Acq: 26 Nov 2024 11:17

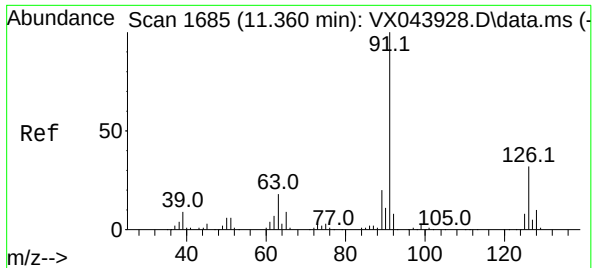
Tgt Ion: 91 Resp: 151539

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.894 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion: 91 Resp: 97024

Ion Ratio Lower Upper

91 100

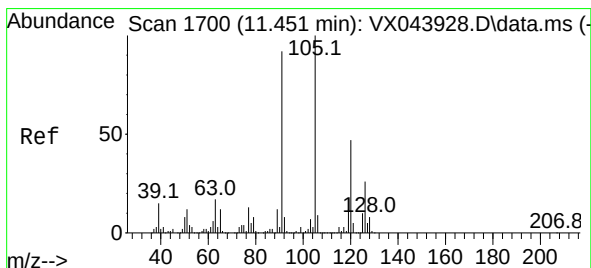
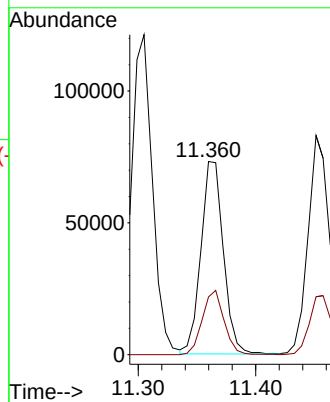
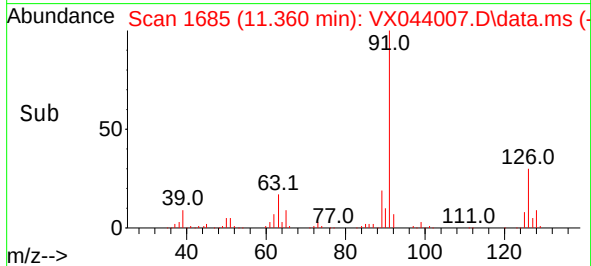
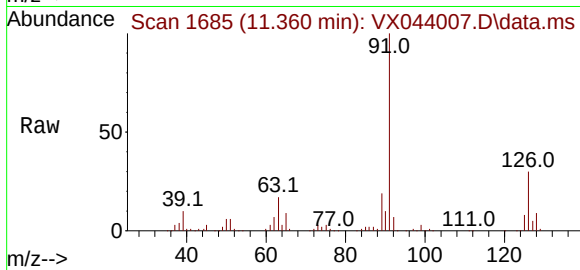
126 32.3 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#80

1,3,5-Trimethylbenzene

Concen: 19.966 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX044007.D

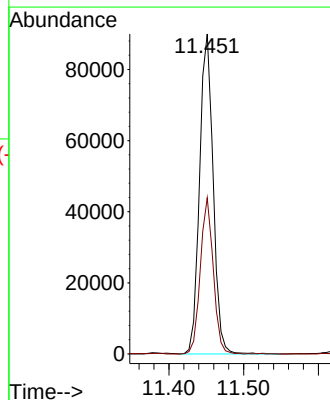
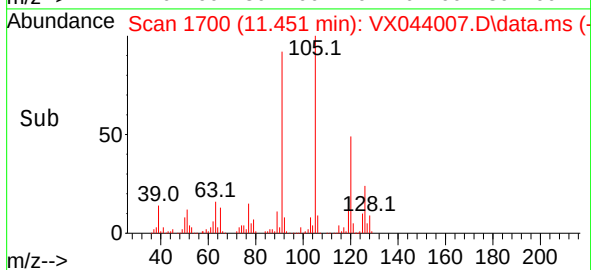
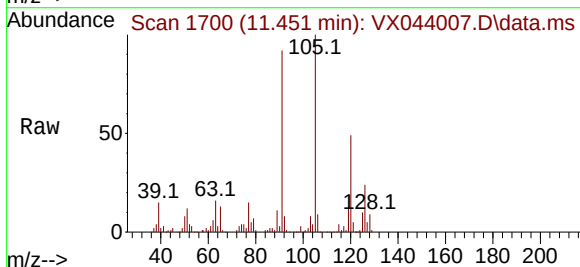
Acq: 26 Nov 2024 11:17

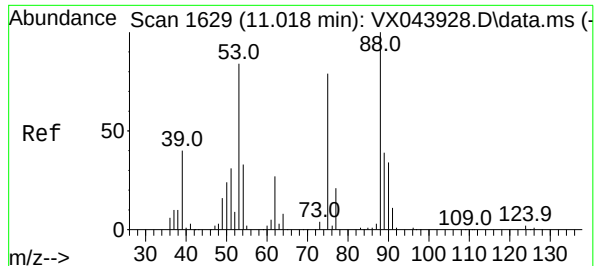
Tgt Ion:105 Resp: 113431

Ion Ratio Lower Upper

105 100

120 46.6 23.3 69.8





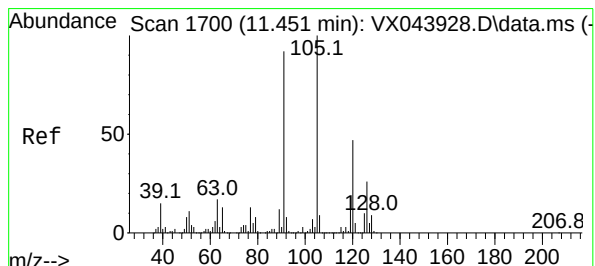
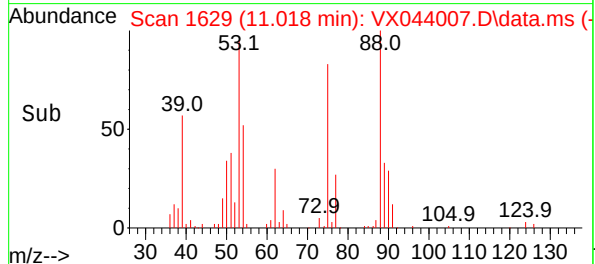
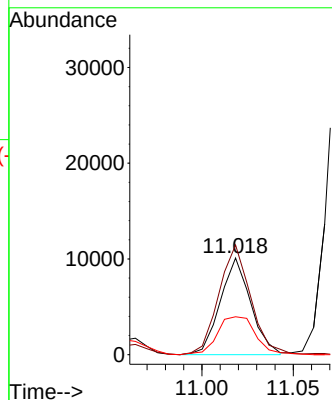
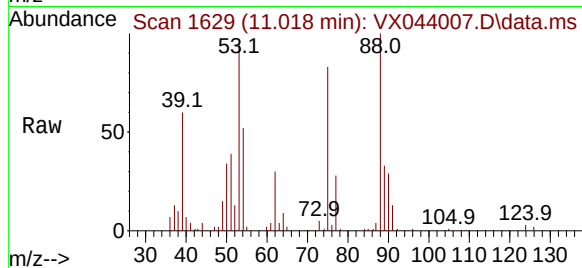
#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.262 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion: 75 Resp: 1174  
Ion Ratio Lower Upper  
75 100  
53 118.9 86.7 130.1  
89 49.2 38.2 57.2

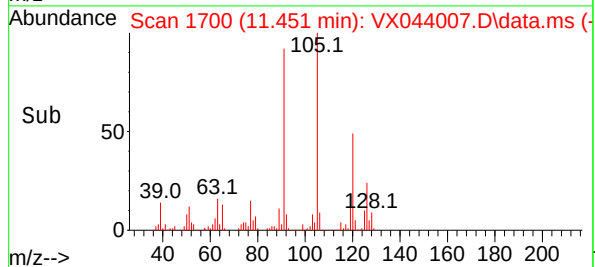
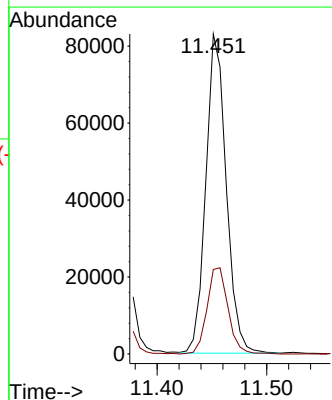
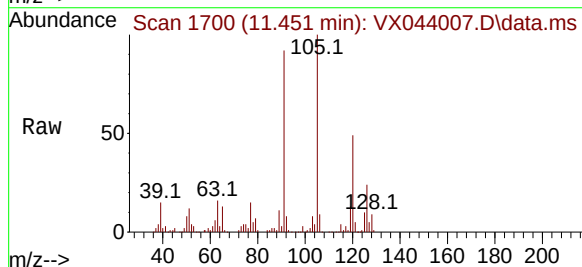
Manual Integrations  
APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024

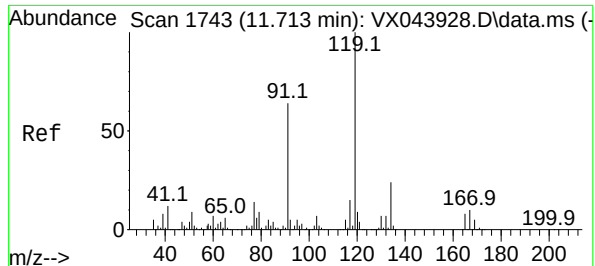


#82  
4-Chlorotoluene  
Concen: 19.470 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 107199  
Ion Ratio Lower Upper  
91 100  
126 27.9 14.3 42.9







#83

tert-Butylbenzene

Concen: 19.789 ug/l

RT: 11.713 min Scan# 11143

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion:119 Resp: 11143

Ion Ratio Lower Upper

119 100

91 62.9 31.0 93.0

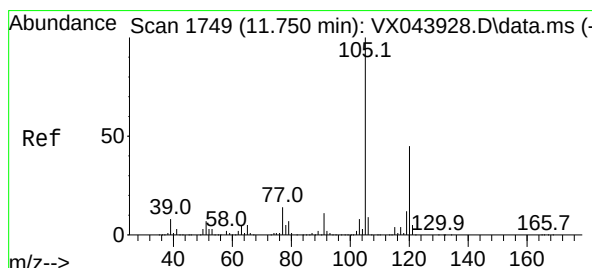
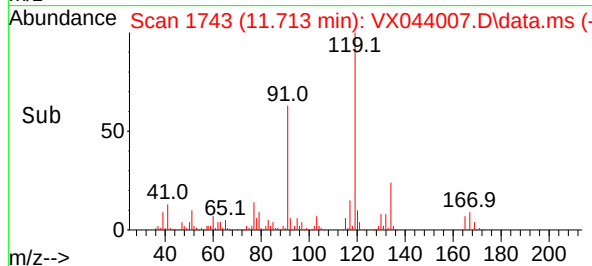
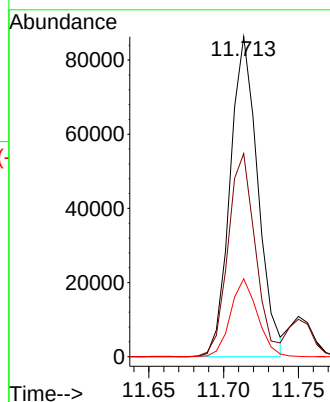
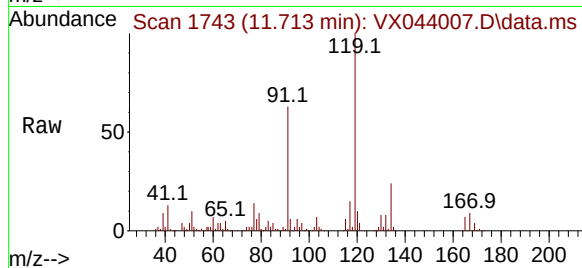
134 23.6 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#84

1,2,4-Trimethylbenzene

Concen: 20.112 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX044007.D

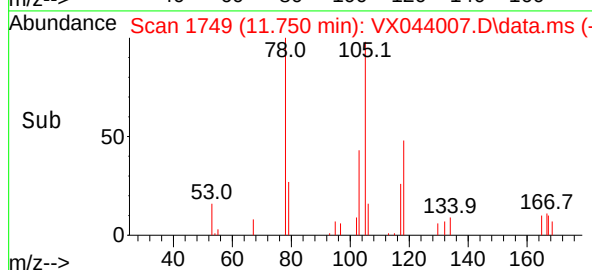
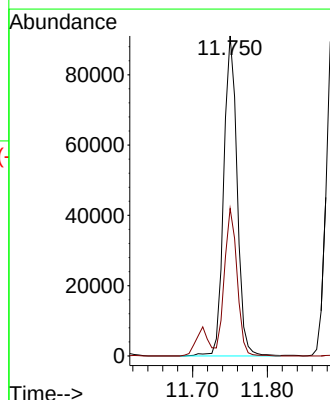
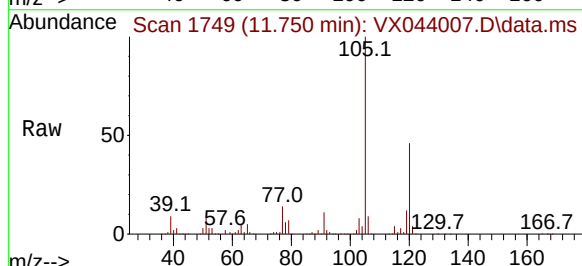
Acq: 26 Nov 2024 11:17

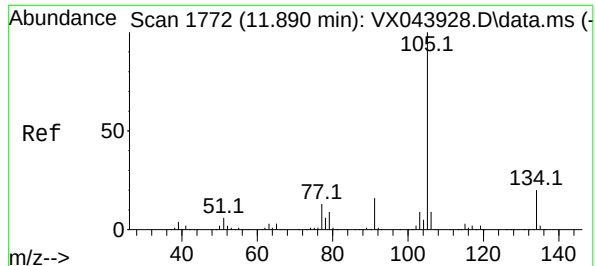
Tgt Ion:105 Resp: 113761

Ion Ratio Lower Upper

105 100

120 43.4 21.9 65.7





#85

sec-Butylbenzene

Concen: 19.422 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion:105 Resp: 133999

Ion Ratio Lower Upper

105 100

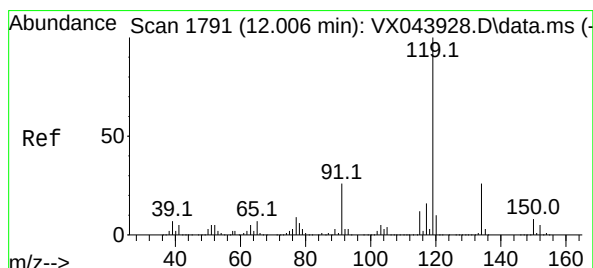
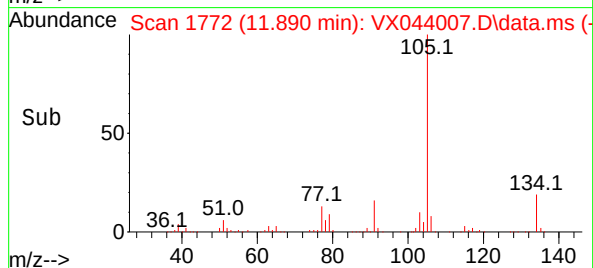
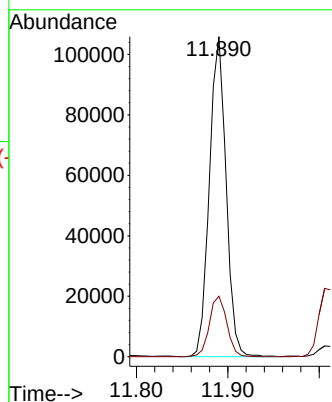
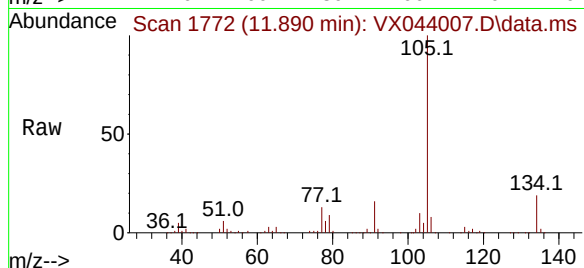
134 19.7 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#86

p-Isopropyltoluene

Concen: 19.806 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

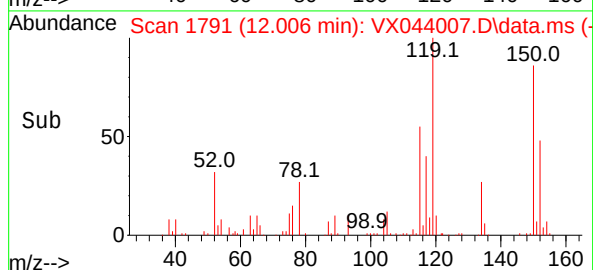
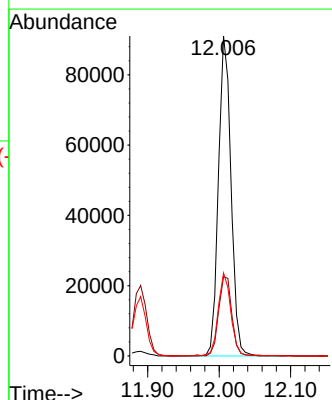
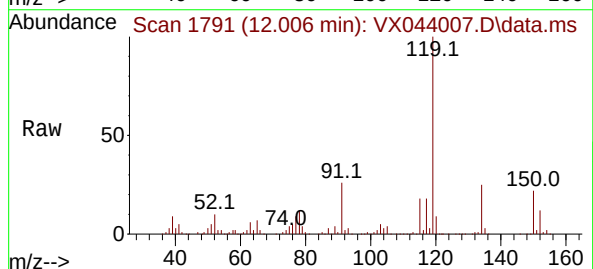
Tgt Ion:119 Resp: 110997

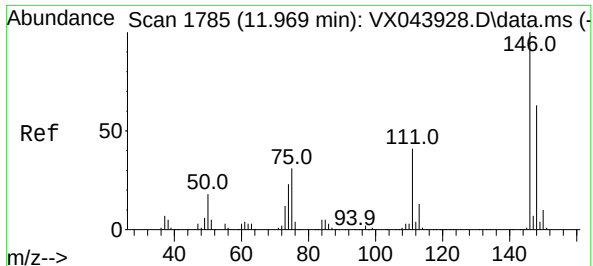
Ion Ratio Lower Upper

119 100

134 26.0 13.0 38.9

91 26.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 18.986 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

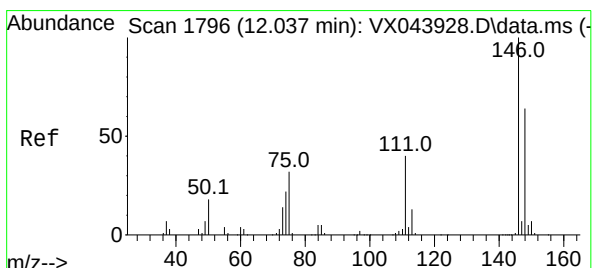
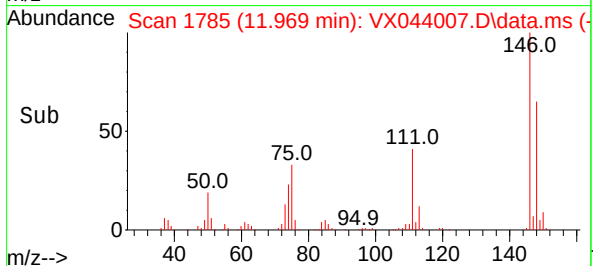
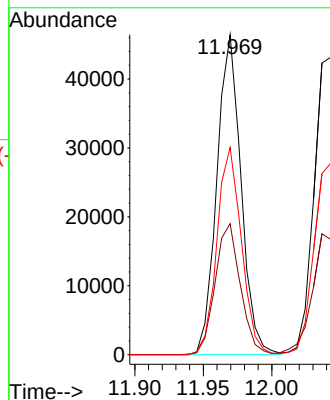
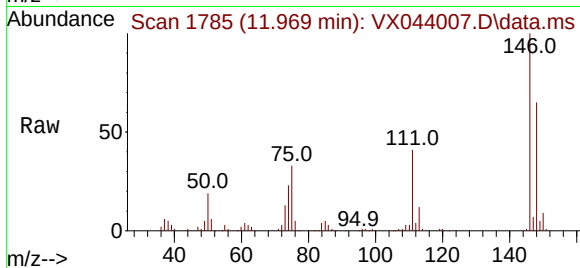
VX1126WBS01

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 5696      |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 42.8  | 21.1 63.3 |
| 148         | 65.7  | 31.7 95.1 |

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
 Supervised By :Mahesh Dadoda 11/27/2024



#88

1,4-Dichlorobenzene

Concen: 18.536 ug/l

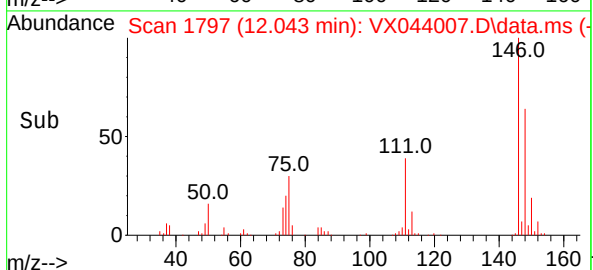
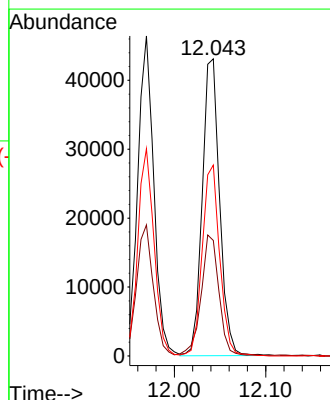
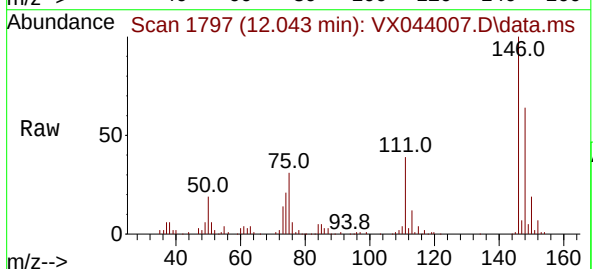
RT: 12.043 min Scan# 1797

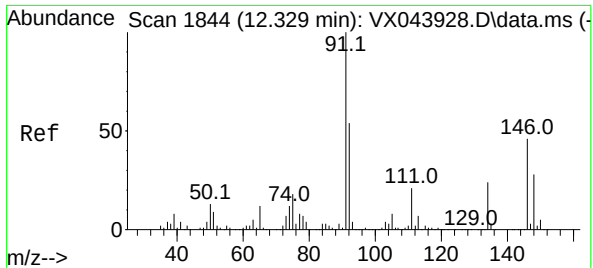
Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

|             |       |           |
|-------------|-------|-----------|
| Tgt Ion:146 | Resp: | 56700     |
| Ion Ratio   | Lower | Upper     |
| 146         | 100   |           |
| 111         | 41.6  | 20.1 60.3 |
| 148         | 65.0  | 30.9 92.8 |





#89

n-Butylbenzene

Concen: 19.165 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044007.D

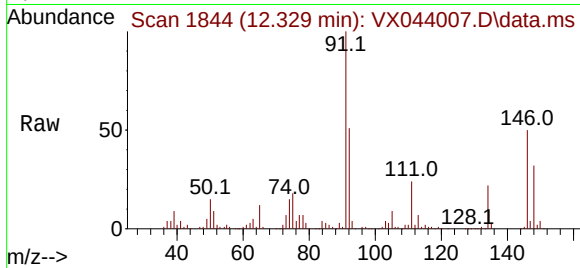
Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01



Tgt Ion: 91 Resp: 94699

Ion Ratio Lower Upper

91 100

92 51.4 26.6 79.8

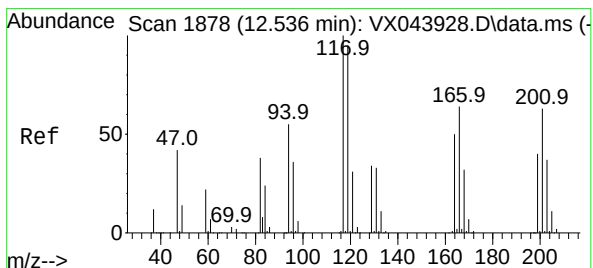
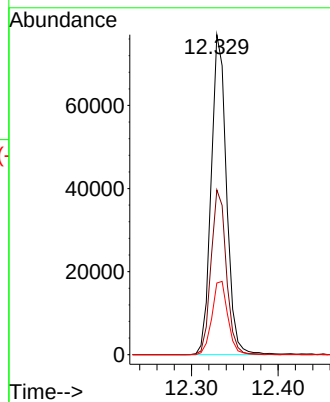
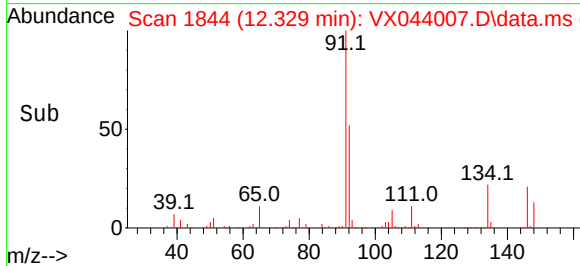
134 23.8 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#90

Hexachloroethane

Concen: 17.501 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044007.D

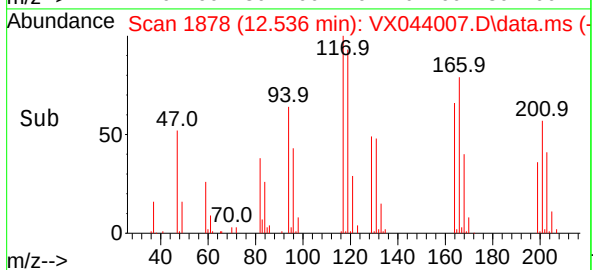
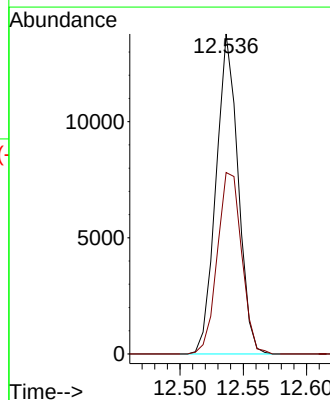
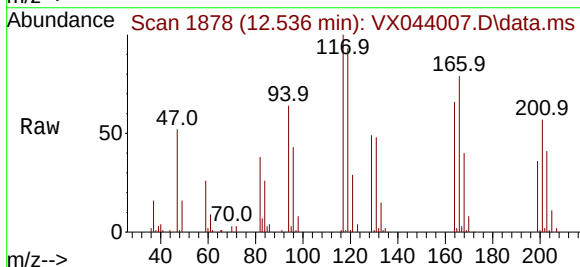
Acq: 26 Nov 2024 11:17

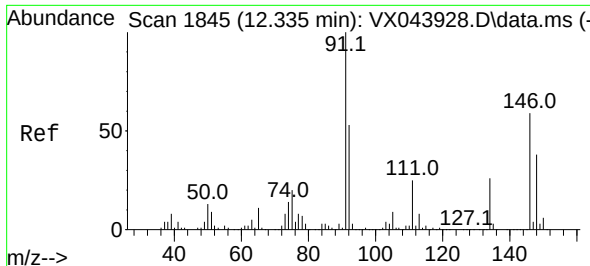
Tgt Ion:117 Resp: 16678

Ion Ratio Lower Upper

117 100

201 62.7 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 19.278 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion:146 Resp: 58372

Ion Ratio Lower Upper

146 100

111 45.1 21.5 64.5

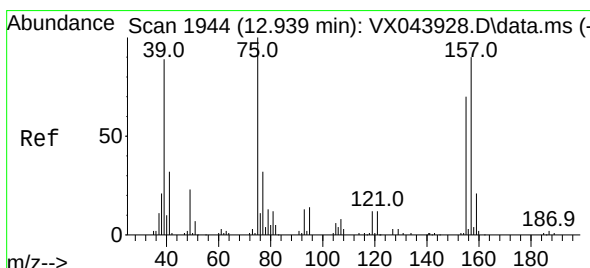
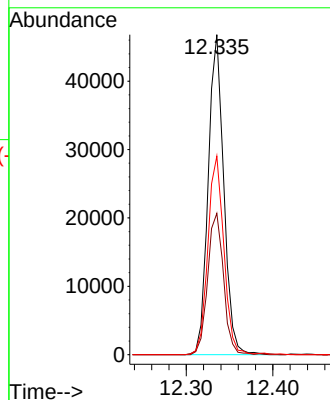
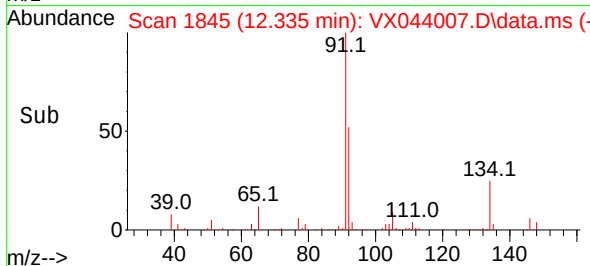
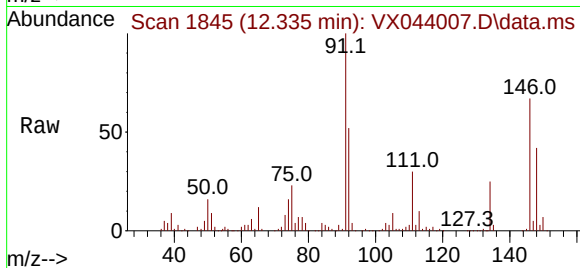
148 63.6 31.9 95.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#92

1,2-Dibromo-3-Chloropropane

Concen: 18.445 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

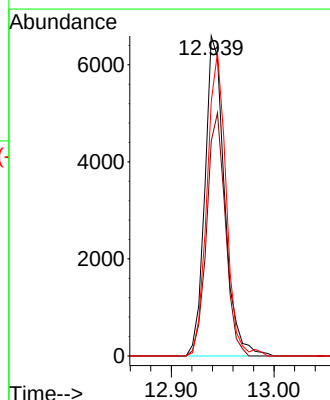
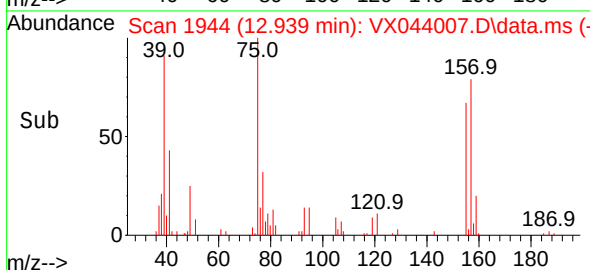
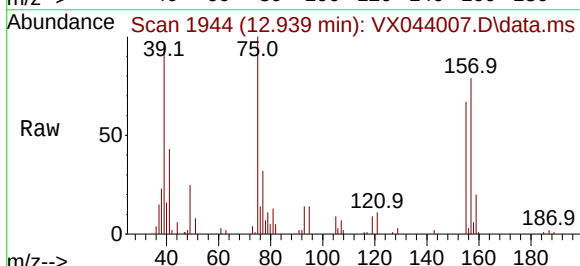
Tgt Ion: 75 Resp: 8739

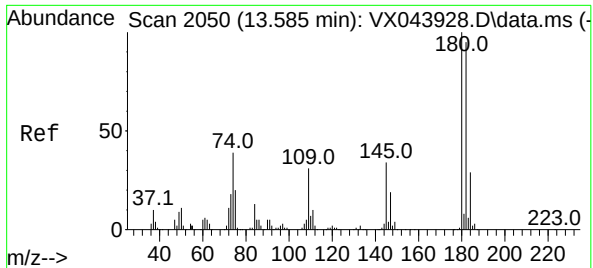
Ion Ratio Lower Upper

75 100

155 72.4 40.1 120.2

157 92.3 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 18.075 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

Tgt Ion:180 Resp: 3226

Ion Ratio Lower Upper

180 100

182 98.5 48.0 144.2

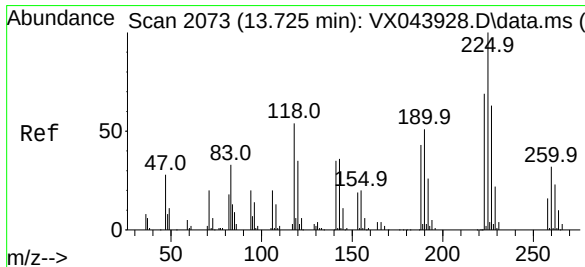
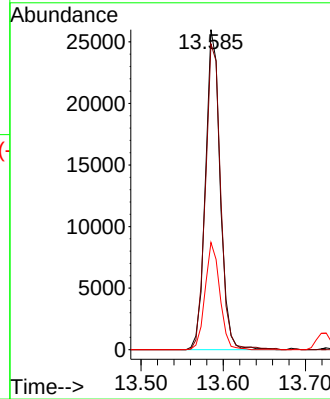
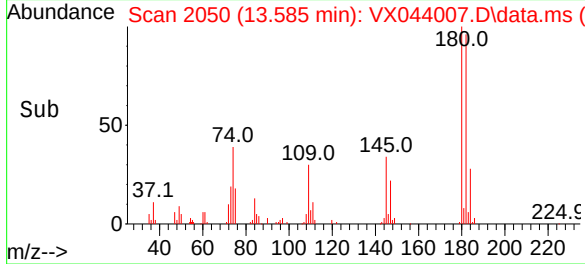
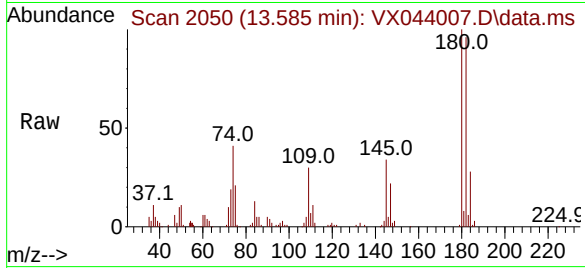
145 33.5 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024

Supervised By :Mahesh Dadoda 11/27/2024



#94

Hexachlorobutadiene

Concen: 19.148 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

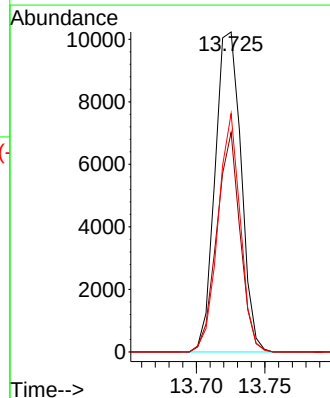
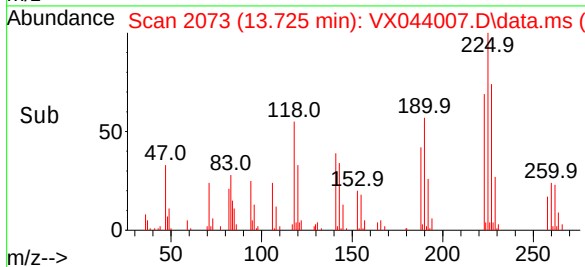
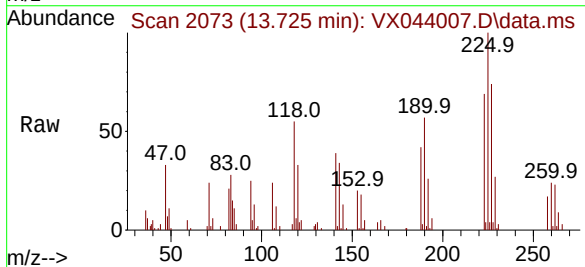
Tgt Ion:225 Resp: 13509

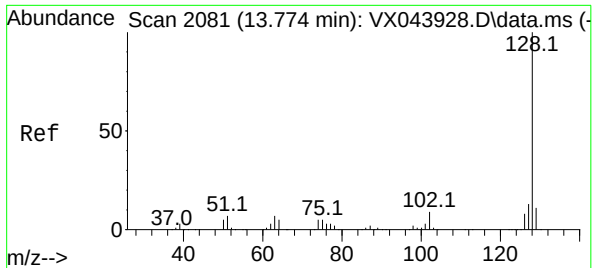
Ion Ratio Lower Upper

225 100

223 61.3 32.9 98.6

227 63.9 31.6 94.8





#95

Naphthalene

Concen: 18.917 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044007.D

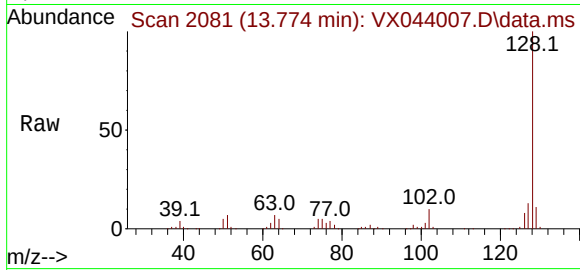
Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

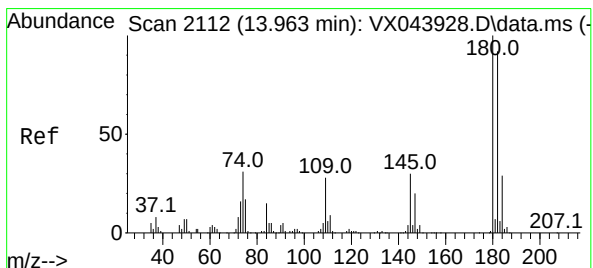
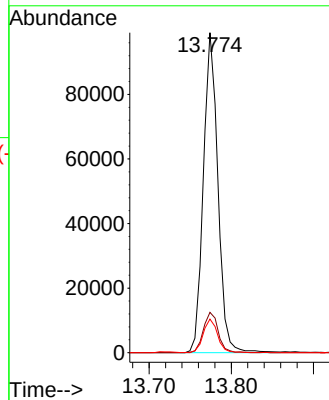


|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 12156 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 127       | 13.0  | 10.2  | 15.2  |
| 129       | 10.4  | 8.6   | 12.8  |

## Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/27/2024  
Supervised By :Mahesh Dadoda 11/27/2024



#96

1,2,3-Trichlorobenzene

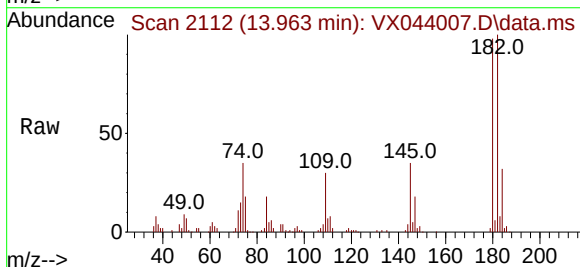
Concen: 18.123 ug/l

RT: 13.963 min Scan# 2112

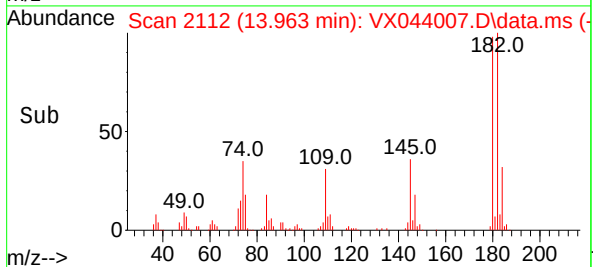
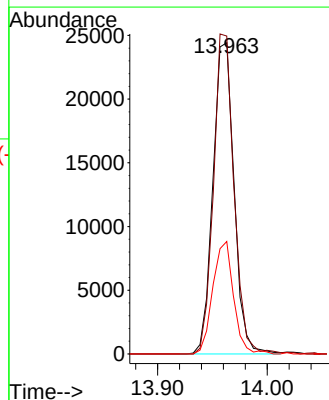
Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 180   | Resp: | 32745 |
| Ion Ratio | Lower | Upper |       |
| 180       | 100   |       |       |
| 182       | 99.7  | 45.6  | 136.8 |
| 145       | 35.6  | 16.4  | 49.4  |



## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBSD01                        |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBSD01                        |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043954.D        | 1         |           | 11/22/24 13:02 | VX112224      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOD  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 20.1  |           | 0.21 | 0.50 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 20.4  |           | 0.35 | 0.50 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 20.4  |           | 0.34 | 0.75 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 21.3  |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 22.7  |           | 0.56 | 0.75 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 21.8  |           | 0.34 | 0.50 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 21.1  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 19.2  |           | 0.26 | 0.75 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 100   |           | 1.40 | 3.80 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 16.9  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 21.6  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 21.5  |           | 0.60 | 0.75 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 20.3  |           | 0.32 | 0.50 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 20.3  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 20.7  |           | 0.23 | 0.50 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 20.9  |           | 1.60 | 2.50 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 110   |           | 1.30 | 2.50 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 19.9  |           | 0.25 | 0.50 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.4  |           | 0.25 | 0.75 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 19.8  |           | 0.18 | 0.50 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 21.3  |           | 0.26 | 0.50 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.7  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 20.5  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 20.7  |           | 0.16 | 0.50 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 21.2  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 17.4  |           | 0.32 | 0.75 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 21.4  |           | 0.19 | 0.50 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 20.5  |           | 0.24 | 0.50 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 0.75 | 2.50 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 21.4  |           | 0.18 | 0.50 | 1.00       | ug/L  |



### Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBSD01                        |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBSD01                        |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX043954.D        | 1         |           | 11/22/24 13:02 | VX112224      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOD  | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 20.3   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 20.6   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 20.7   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 110    |           | 1.10     | 2.50 | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 19.1   |           | 0.18     | 0.50 | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 21.9   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 20.7   |           | 0.25     | 0.50 | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 19.9   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 20.4   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 40.9   |           | 0.31     | 1.00 | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 20.9   |           | 0.14     | 0.50 | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 20.5   |           | 0.16     | 0.50 | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 17.5   |           | 0.21     | 0.50 | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 20.6   |           | 0.13     | 0.50 | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 21.9   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 20.1   |           | 0.24     | 0.50 | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.1   |           | 0.27     | 0.50 | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.7   |           | 0.19     | 0.50 | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.0   |           | 0.46     | 0.75 | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 18.9   |           | 0.42     | 0.50 | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 19.2   |           | 0.51     | 0.75 | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |      |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 53.6   |           | 81 - 118 |      | 107%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.5   |           | 80 - 119 |      | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 52.0   |           | 89 - 112 |      | 104%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 52.7   |           | 85 - 114 |      | 105%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |      |            |         |
| 363-72-4                  | Pentafluorobenzene          | 109000 | 5.544     |          |      |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 196000 | 6.757     |          |      |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 171000 | 10.055    |          |      |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 79400  | 12.018    |          |      |            |         |

## Report of Analysis

|                    |                                     |        |      |                 |               |
|--------------------|-------------------------------------|--------|------|-----------------|---------------|
| Client:            | EA Engineering Science & Technology |        |      | Date Collected: |               |
| Project:           | Scotia, NY - Annual Testing         |        |      | Date Received:  |               |
| Client Sample ID:  | VX1122WBSD01                        |        |      | SDG No.:        | P4873         |
| Lab Sample ID:     | VX1122WBSD01                        |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                              |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                                   | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                                     |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                            | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                                     |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX043954.D        | 1         |           | 11/22/24 13:02 | VX112224      |

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

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043954.D  
 Acq On : 22 Nov 2024 13:02  
 Operator : JC/MD  
 Sample : VX1122WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 11/25/2024  
 Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:20:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 109076   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 195872   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 171011   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 79397    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 100196   | 53.557   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 107.120% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 72137    | 51.541   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.080% |
| 50) Toluene-d8              | 8.647  | 98    | 250635   | 51.950   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.900% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 86479    | 52.669   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 105.340% |

|                              |       |     |        |         |          |
|------------------------------|-------|-----|--------|---------|----------|
| Target Compounds             |       |     |        |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 27785  | 20.108  | ug/l 96  |
| 3) Chloromethane             | 1.294 | 50  | 29728  | 20.444  | ug/l 96  |
| 4) Vinyl Chloride            | 1.374 | 62  | 31592  | 20.426  | ug/l 97  |
| 5) Bromomethane              | 1.599 | 94  | 20295  | 21.330  | ug/l 99  |
| 6) Chloroethane              | 1.666 | 64  | 21360  | 22.665  | ug/l 94  |
| 7) Trichlorofluoromethane    | 1.867 | 101 | 60353  | 21.826  | ug/l 100 |
| 8) Diethyl Ether             | 2.136 | 74  | 21147  | 20.982  | ug/l 99  |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 27774  | 21.057  | ug/l 98  |
| 10) Methyl Iodide            | 2.447 | 142 | 32944  | 19.998  | ug/l 97  |
| 11) Tert butyl alcohol       | 2.995 | 59  | 29700  | 98.905  | ug/l 98  |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 24194  | 19.249  | ug/l 86  |
| 13) Acrolein                 | 2.233 | 56  | 33008  | 104.286 | ug/l 99  |
| 14) Allyl chloride           | 2.660 | 41  | 42147  | 20.522  | ug/l 97  |
| 15) Acrylonitrile            | 3.062 | 53  | 79030  | 107.997 | ug/l 98  |
| 16) Acetone                  | 2.386 | 43  | 86367  | 100.513 | ug/l 98  |
| 17) Carbon Disulfide         | 2.501 | 76  | 43889  | 16.929  | ug/l 98  |
| 18) Methyl Acetate           | 2.703 | 43  | 43057  | 21.518  | ug/l 99  |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 98693  | 21.626  | ug/l 100 |
| 20) Methylene Chloride       | 2.782 | 84  | 29543  | 20.260  | ug/l 96  |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 26401  | 20.345  | ug/l 95  |
| 22) Diisopropyl ether        | 3.763 | 45  | 94170  | 21.444  | ug/l 98  |
| 23) Vinyl Acetate            | 3.721 | 43  | 408506 | 108.742 | ug/l 99  |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 52345  | 20.662  | ug/l 99  |
| 25) 2-Butanone               | 4.562 | 43  | 119728 | 107.988 | ug/l 96  |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 46118  | 20.157  | ug/l 98  |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 32647  | 20.353  | ug/l 99  |
| 28) Bromochloromethane       | 4.891 | 49  | 22133  | 19.848  | ug/l 99  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 74565  | 109.701 | ug/l 99  |
| 30) Chloroform               | 5.086 | 83  | 58065  | 21.310  | ug/l 97  |
| 31) Cyclohexane              | 5.458 | 56  | 43641  | 20.930  | ug/l 96  |
| 32) 1,1,1-Trichloroethane    | 5.367 | 97  | 48619  | 20.691  | ug/l 99  |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 35764  | 20.506  | ug/l 99  |
| 37) Ethyl Acetate            | 4.714 | 43  | 47085  | 21.749  | ug/l 99  |
| 38) Carbon Tetrachloride     | 5.665 | 117 | 39037  | 19.920  | ug/l 99  |
| 39) Methylcyclohexane        | 7.373 | 83  | 46390  | 20.474  | ug/l 92  |
| 40) Benzene                  | 6.031 | 78  | 112619 | 20.730  | ug/l 96  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043954.D  
 Acq On : 22 Nov 2024 13:02  
 Operator : JC/MD  
 Sample : VX1122WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 11/25/2024  
 Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:20:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 22859    | 20.630  | ug/l # | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 46195    | 21.172  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 74632    | 21.661  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 26781    | 17.414  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 28429    | 21.366  | ug/l   | 93       |
| 46) Dibromomethane            | 7.580  | 93   | 22603    | 21.475  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 38744    | 20.524  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 34130    | 20.644  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10534    | 357.698 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 236829   | 112.638 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 69441    | 21.356  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 39050    | 20.285  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 43430    | 20.580  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 27781    | 20.697  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 44109    | 21.098  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 49838    | 22.042  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 112089   | 97.143  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 174736   | 110.568 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 25683    | 19.071  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 29772    | 21.936  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 23366    | 20.722  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 74928    | 19.949  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 24536    | 20.143  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.189 | 91   | 130020   | 20.429  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 97028    | 40.881  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 48479    | 20.920  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 78583    | 20.503  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 14931    | 17.533  | ug/l # | 95       |
| 73) Isopropylbenzene          | 10.963 | 105  | 125832   | 20.617  | ug/l   | 99       |
| 74) N-ethyl acetate           | 10.841 | 43   | 58504    | 20.692  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 45786    | 21.909  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 37193m   | 21.361  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 29411    | 20.201  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 141102   | 20.700  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 92095    | 21.366  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 105010   | 20.914  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 10352    | 16.224  | ug/l # | 78       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 102553   | 21.075  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 104939   | 21.086  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 107681   | 21.541  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 124001   | 20.336  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 105513   | 21.303  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 53195    | 20.061  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 54275    | 20.076  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 89016    | 20.384  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 15072    | 17.895  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 55361    | 20.688  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8390     | 20.036  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 29761    | 18.864  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11821    | 18.958  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 117216   | 20.640  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 30581    | 19.151  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043954.D  
Acq On : 22 Nov 2024 13:02  
Operator : JC/MD  
Sample : VX1122WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:20:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

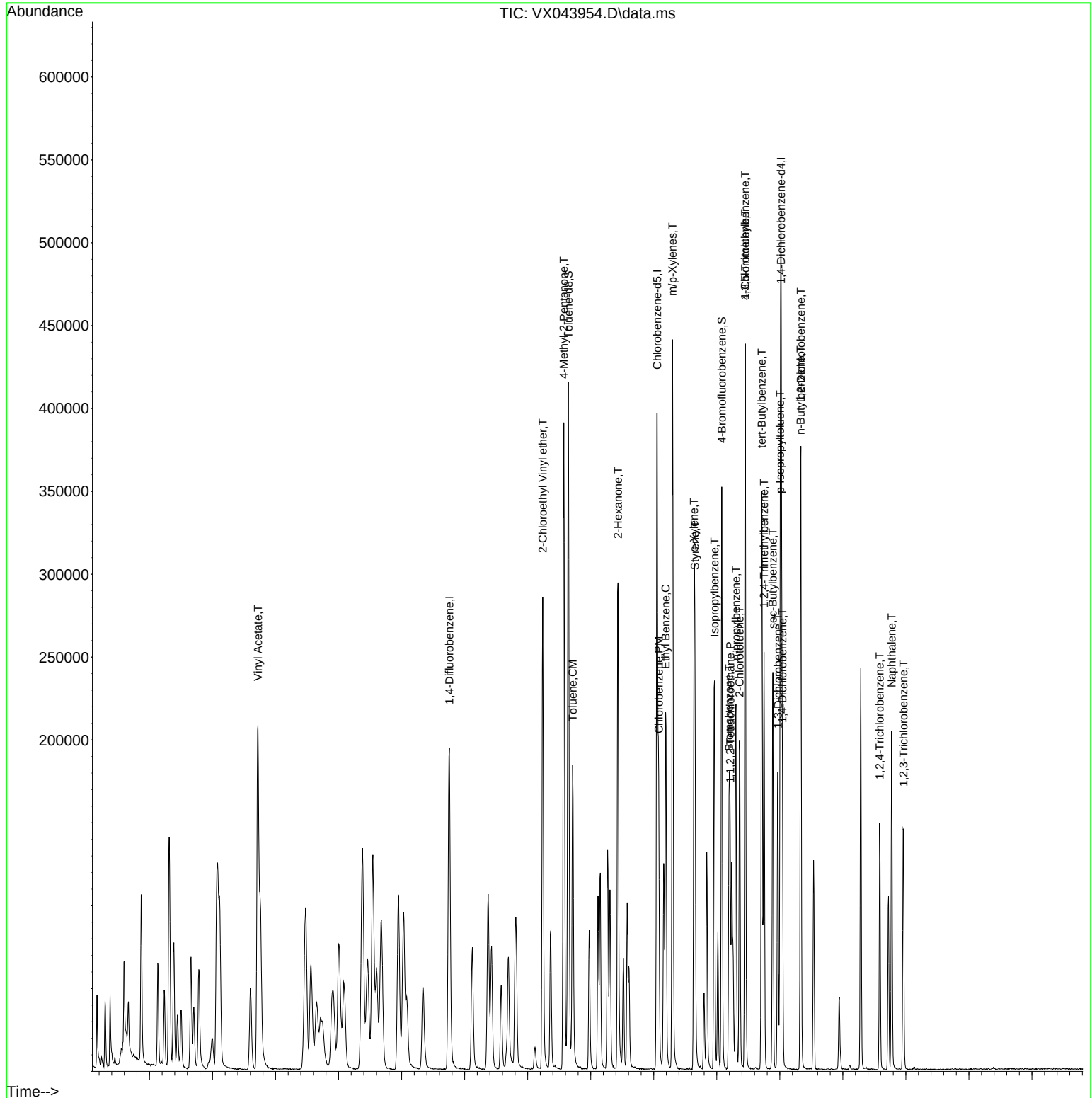
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Data File : VX043954.D  
Acq On : 22 Nov 2024 13:02  
Operator : JC/MD  
Sample : VX1122WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

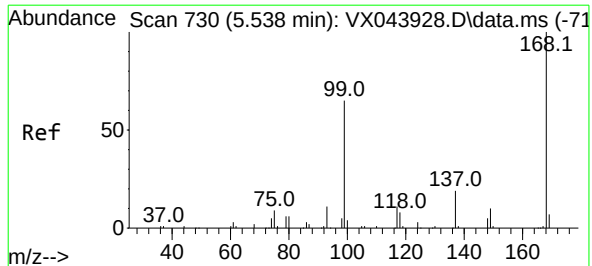
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

Manual Integrations  
APPROVED

Reviewed By : John Carlone 11/25/2024  
Supervised By : Mahesh Dadoda 11/25/2024

Quant Time: Nov 22 22:20:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.544 min Scan# 73

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:168 Resp: 109076

Ion Ratio Lower Upper

168 100

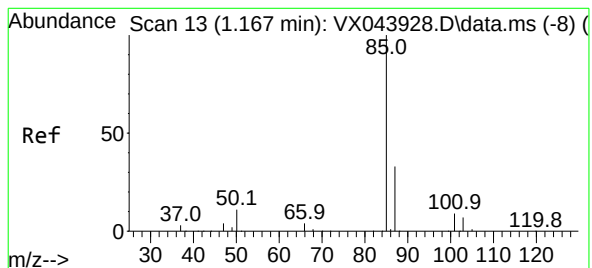
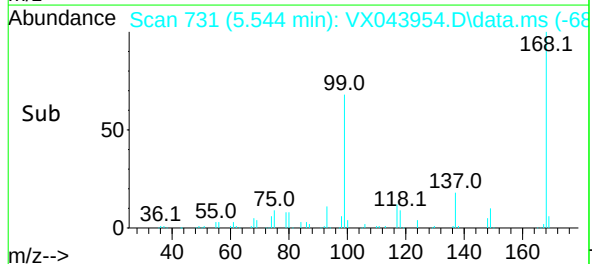
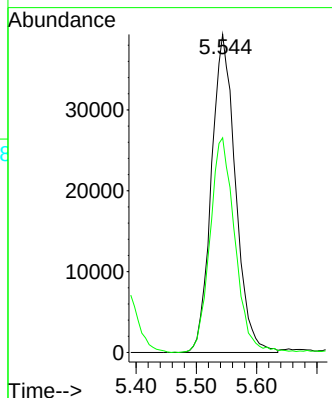
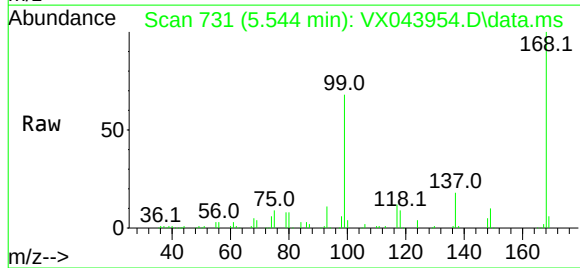
99 67.5 51.8 77.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#2

Dichlorodifluoromethane

Concen: 20.108 ug/l

RT: 1.166 min Scan# 13

Delta R.T. -0.000 min

Lab File: VX043954.D

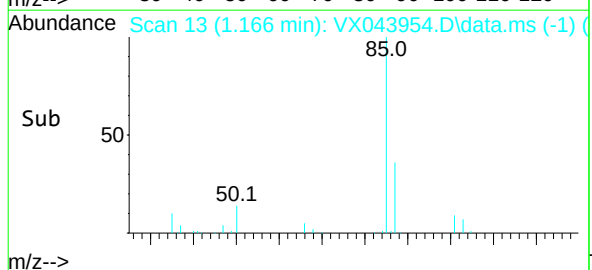
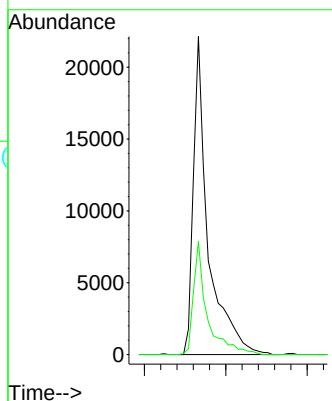
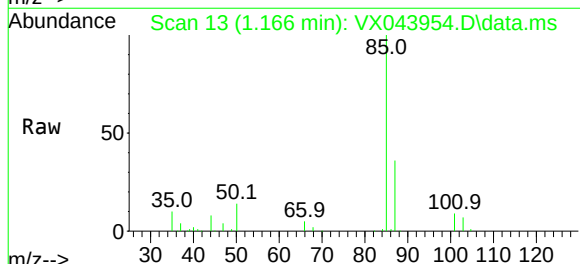
Acq: 22 Nov 2024 13:02

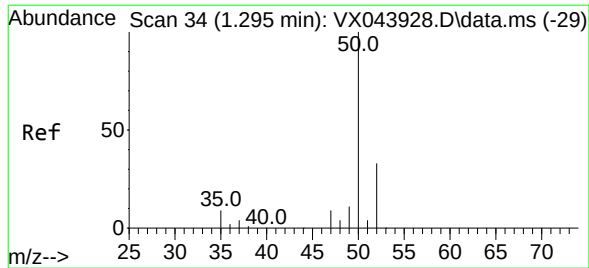
Tgt Ion: 85 Resp: 27785

Ion Ratio Lower Upper

85 100

87 35.5 16.6 49.8





#3

Chloromethane

Concen: 20.444 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 50 Resp: 29728

Ion Ratio Lower Upper

50 100

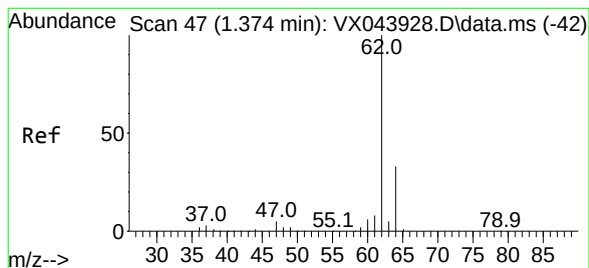
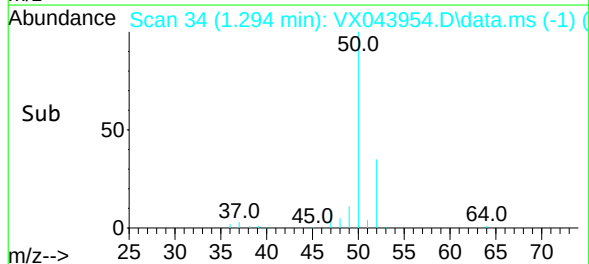
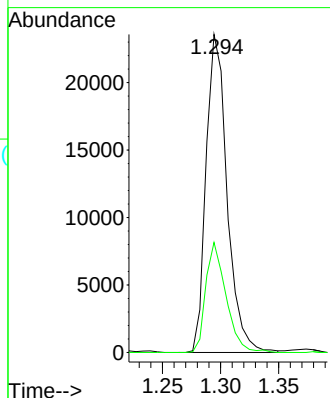
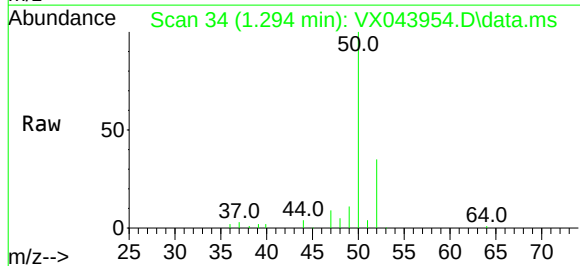
52 34.6 26.1 39.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#4

Vinyl Chloride

Concen: 20.426 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043954.D

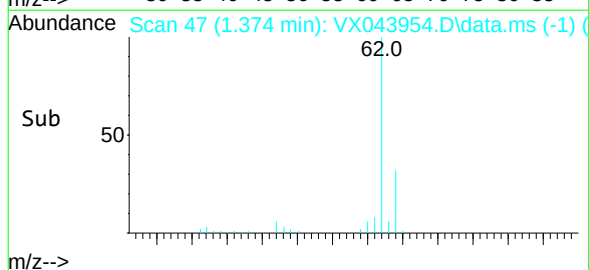
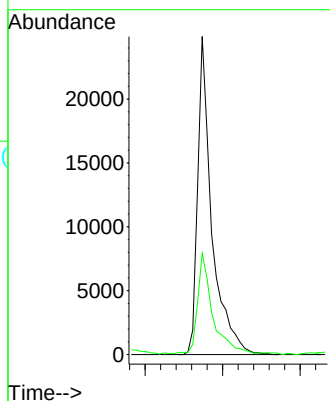
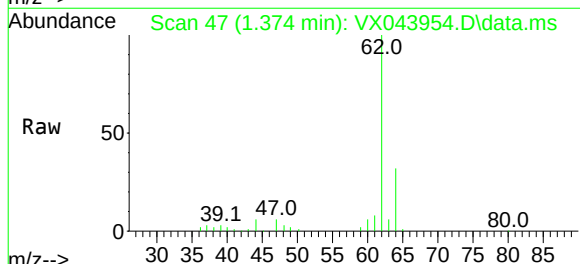
Acq: 22 Nov 2024 13:02

Tgt Ion: 62 Resp: 31592

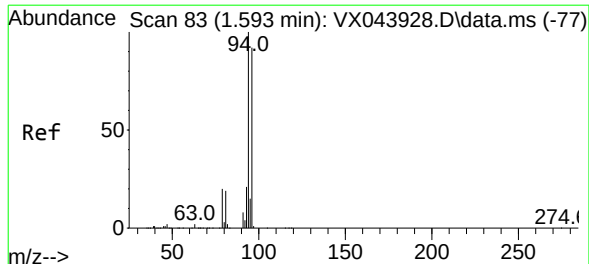
Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.4







#5

Bromomethane

Concen: 21.330 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 94 Resp: 20295

Ion Ratio Lower Upper

94 100

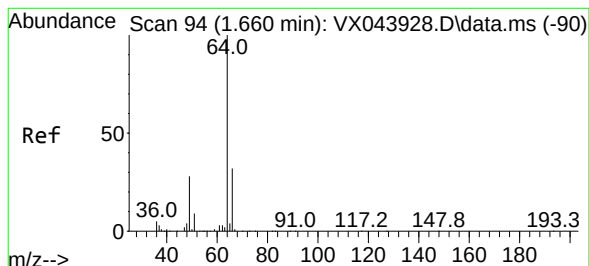
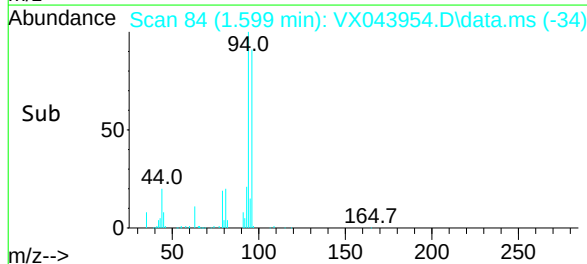
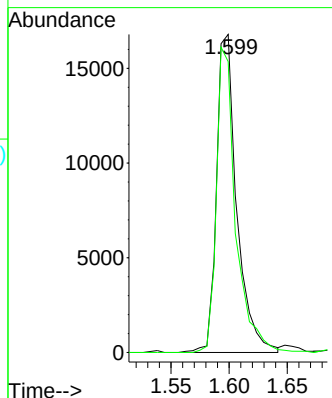
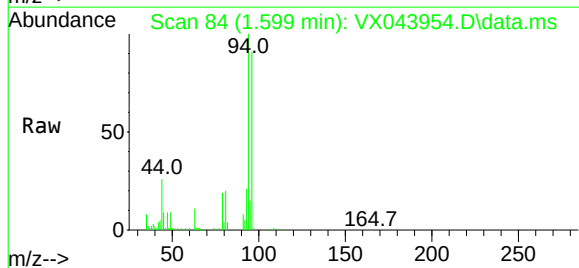
96 91.5 73.9 110.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#6

Chloroethane

Concen: 22.665 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043954.D

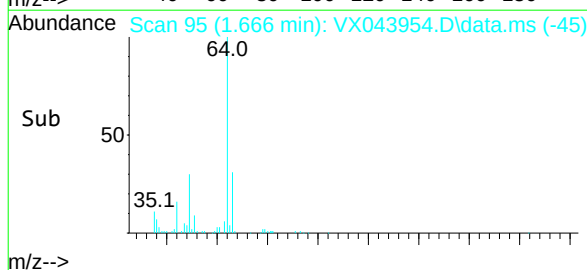
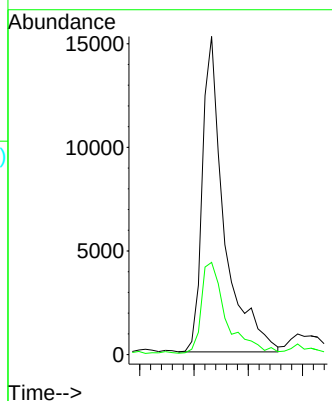
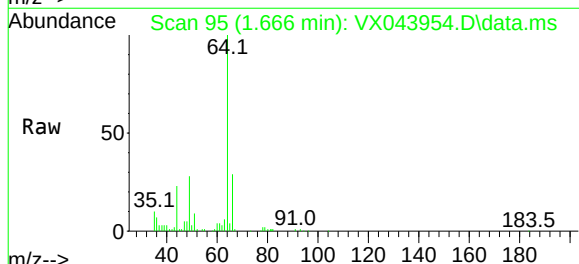
Acq: 22 Nov 2024 13:02

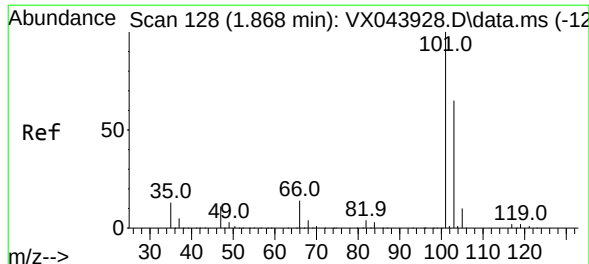
Tgt Ion: 64 Resp: 21360

Ion Ratio Lower Upper

64 100

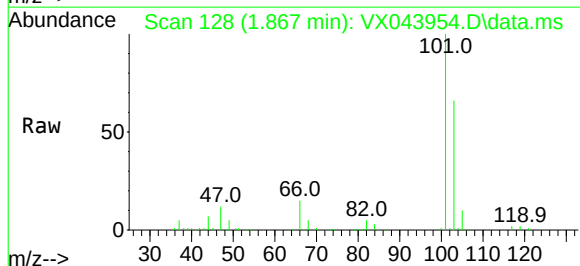
66 28.8 25.9 38.9





#7  
Trichlorofluoromethane  
Concen: 21.826 ug/l  
RT: 1.867 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

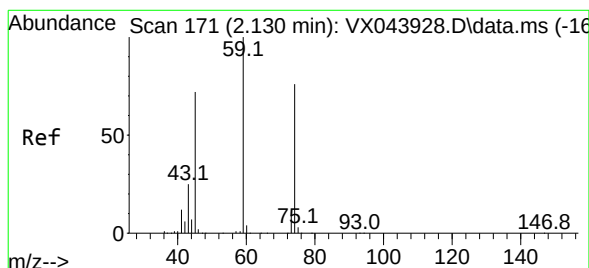
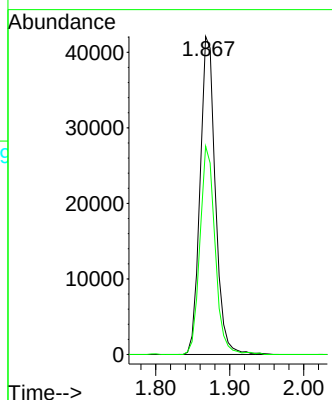
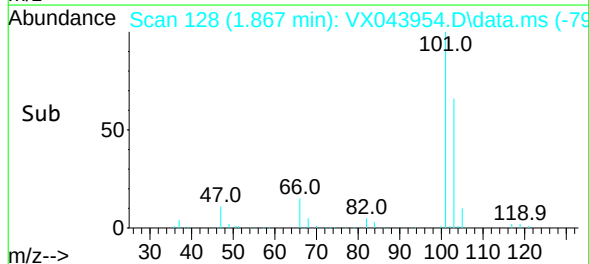
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01



Tgt Ion:101 Resp: 60353  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.2 78.2

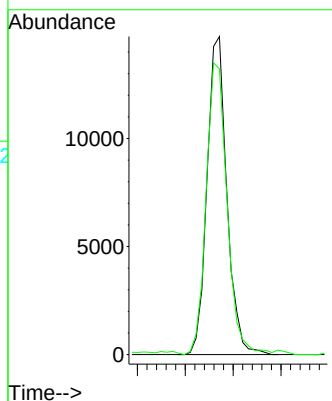
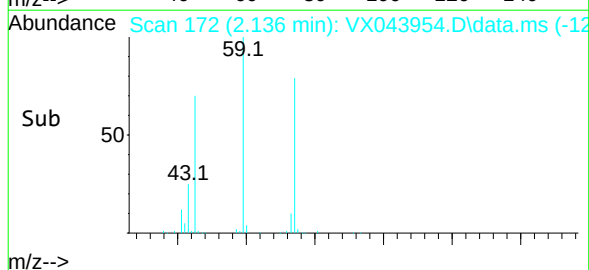
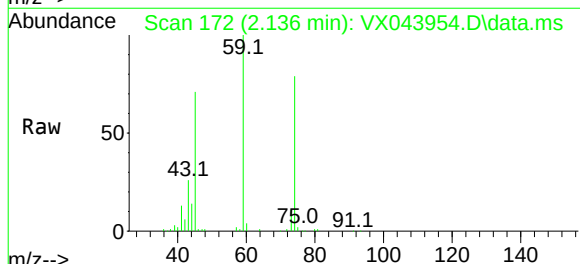
Manual Integrations  
**APPROVED**

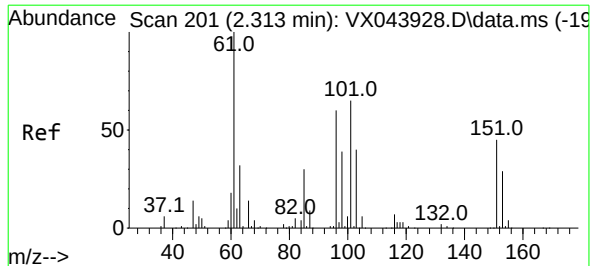
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#8  
Diethyl Ether  
Concen: 20.982 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

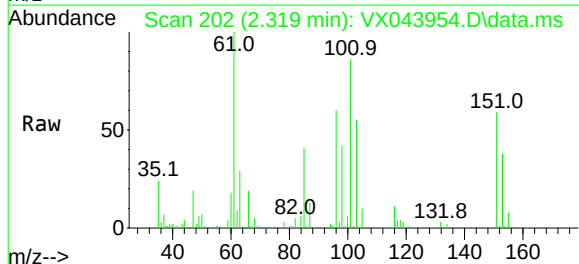
Tgt Ion: 74 Resp: 21147  
Ion Ratio Lower Upper  
74 100  
45 97.0 47.9 143.6





#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.057 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

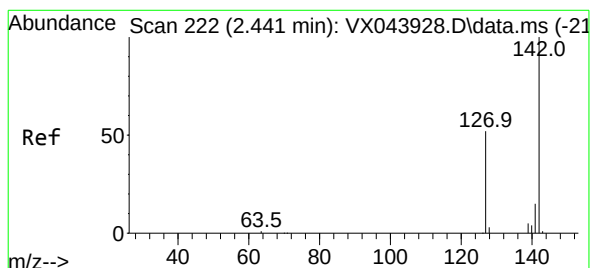
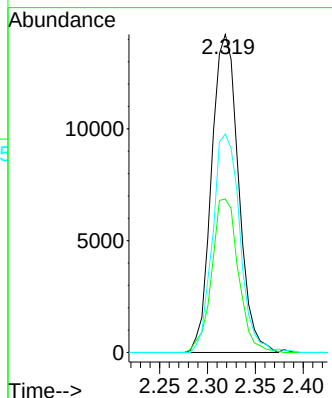
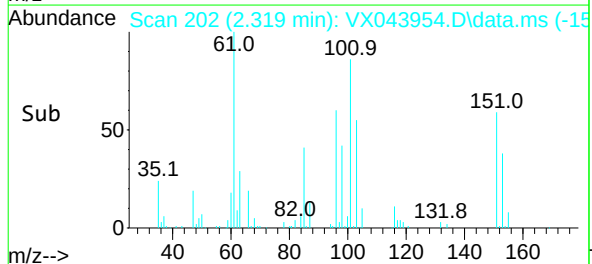
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01



Tgt Ion:101 Resp: 27774  
Ion Ratio Lower Upper  
101 100  
85 47.8 37.9 56.9  
151 69.9 57.5 86.3

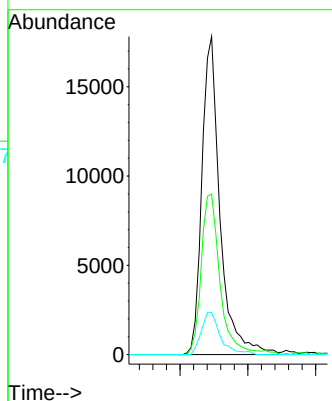
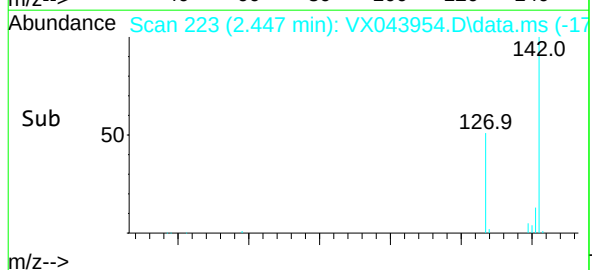
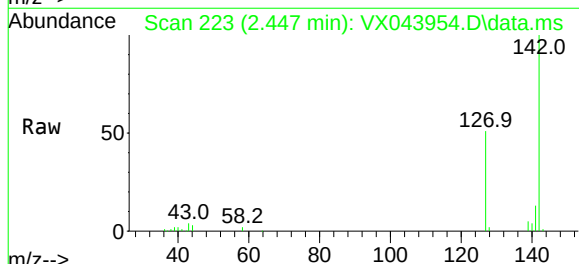
Manual Integrations  
APPROVED

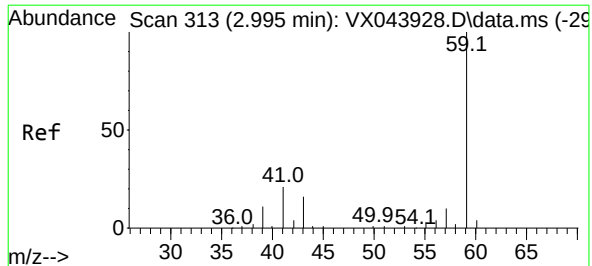
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#10  
Methyl Iodide  
Concen: 19.998 ug/l  
RT: 2.447 min Scan# 223  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:142 Resp: 32944  
Ion Ratio Lower Upper  
142 100  
127 52.9 40.7 61.1  
141 14.1 12.0 18.0





#11

Tert butyl alcohol

Concen: 98.905 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 59 Resp: 29700

Ion Ratio Lower Upper

59 100

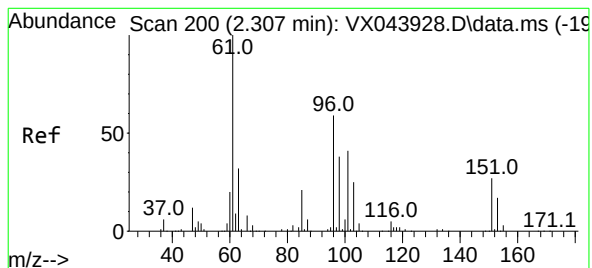
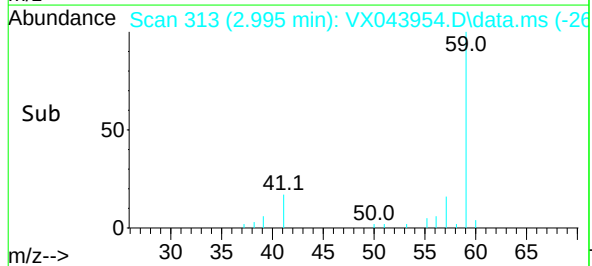
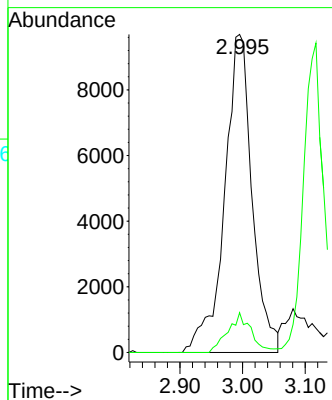
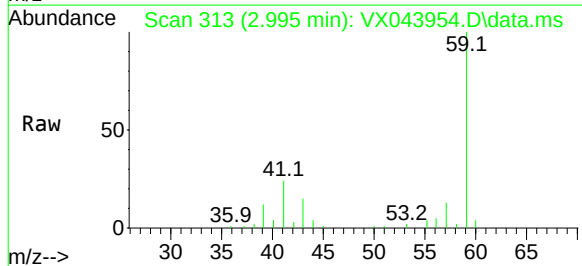
57 10.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#12

1,1-Dichloroethene

Concen: 19.249 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

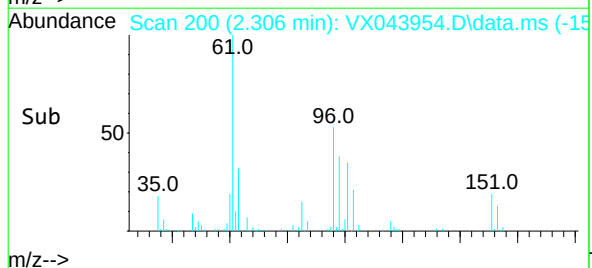
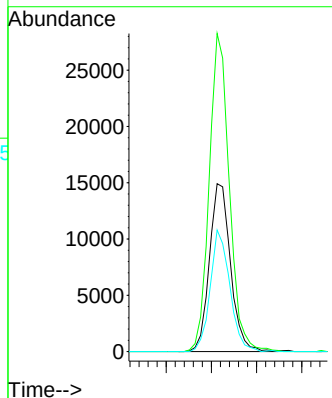
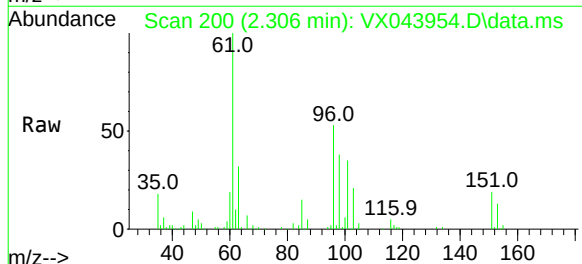
Tgt Ion: 96 Resp: 24194

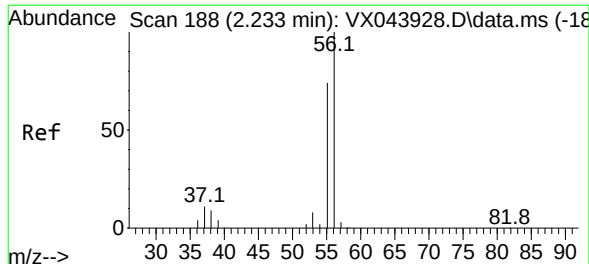
Ion Ratio Lower Upper

96 100

61 189.4 135.5 203.3

98 72.4 50.8 76.2





#13

Acrolein

Concen: 104.286 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 56 Resp: 33008

Ion Ratio Lower Upper

56 100

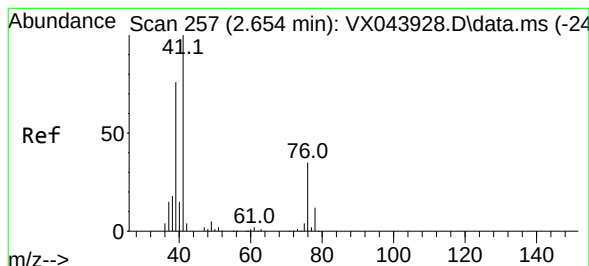
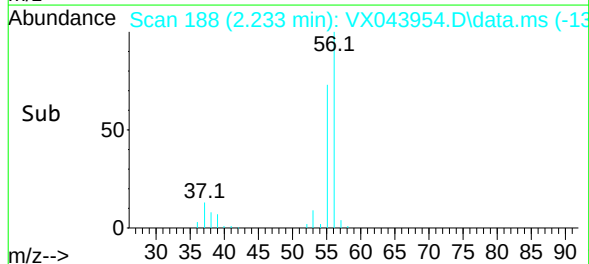
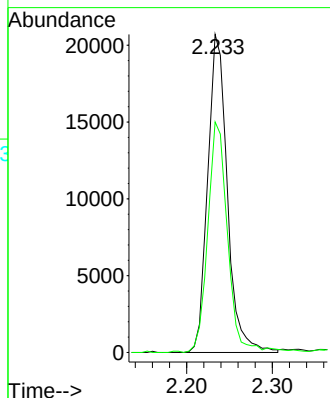
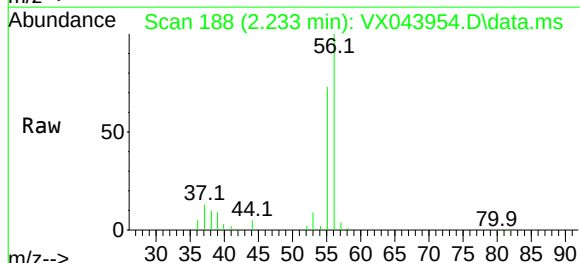
55 73.6 58.2 87.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#14

Allyl chloride

Concen: 20.522 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

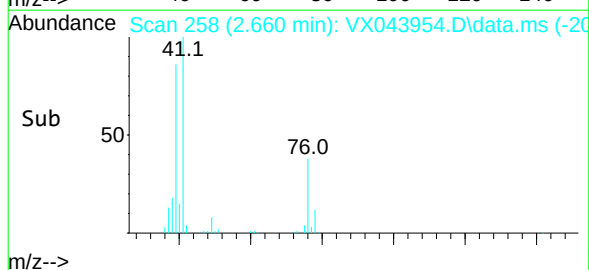
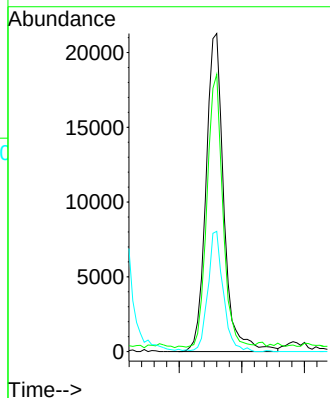
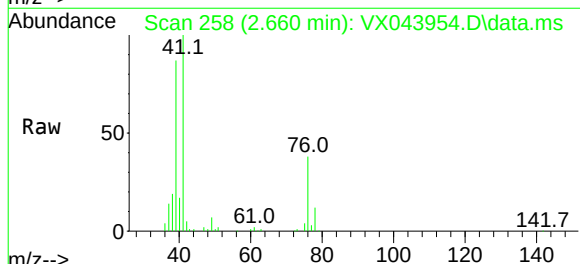
Tgt Ion: 41 Resp: 42147

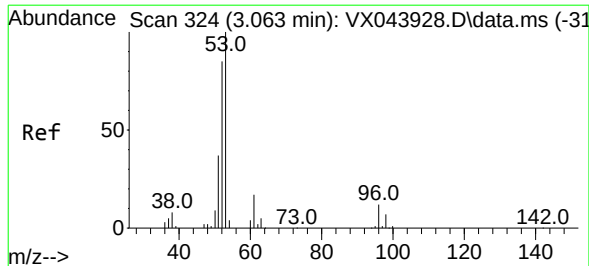
Ion Ratio Lower Upper

41 100

39 76.3 59.5 89.3

76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 107.997 ug/l

RT: 3.062 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 53 Resp: 79036

Ion Ratio Lower Upper

53 100

52 85.0 66.5 99.7

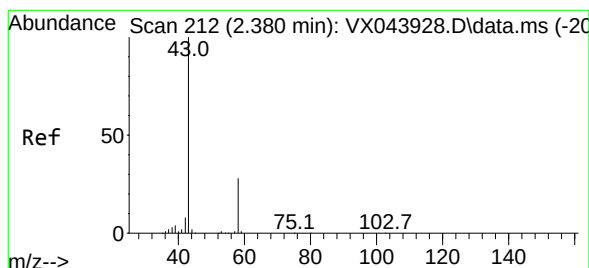
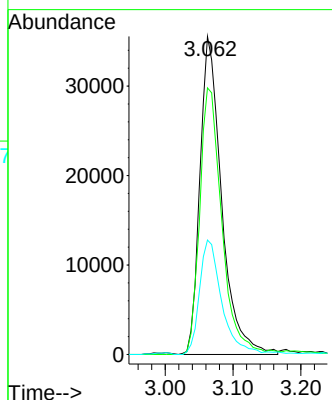
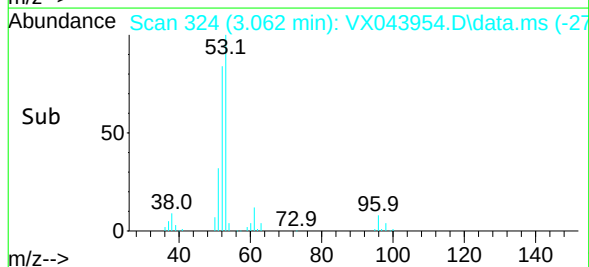
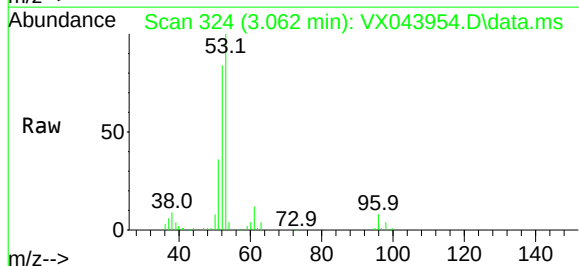
51 36.9 30.2 45.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#16

Acetone

Concen: 100.513 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043954.D

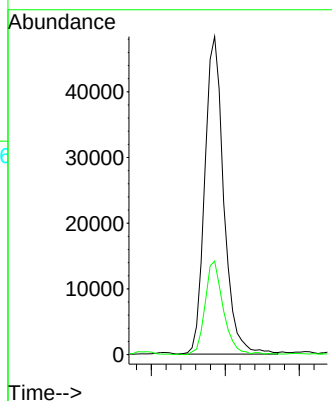
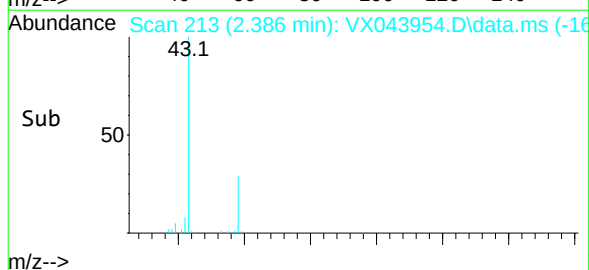
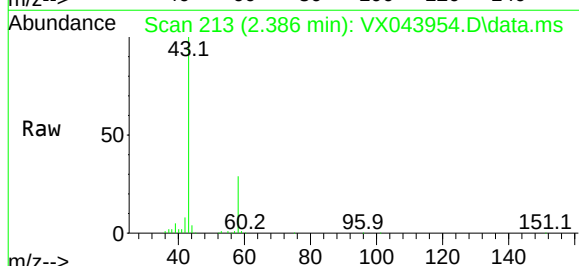
Acq: 22 Nov 2024 13:02

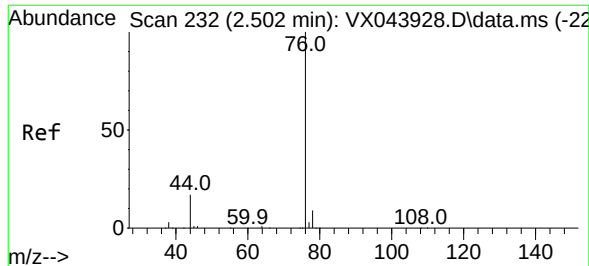
Tgt Ion: 43 Resp: 86367

Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1





#17

Carbon Disulfide

Concen: 16.929 ug/l

RT: 2.501 min Scan# 232

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 76 Resp: 43889

Ion Ratio Lower Upper

76 100

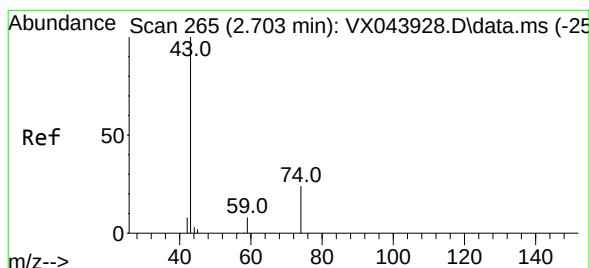
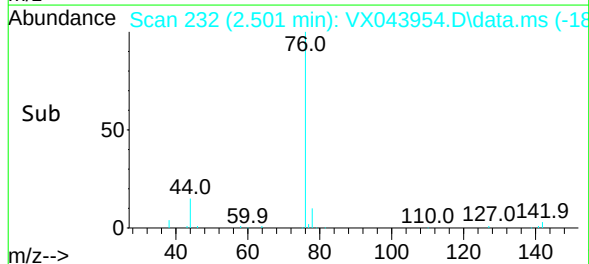
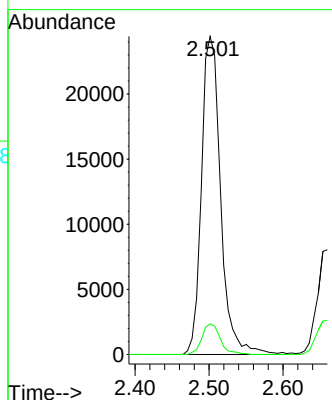
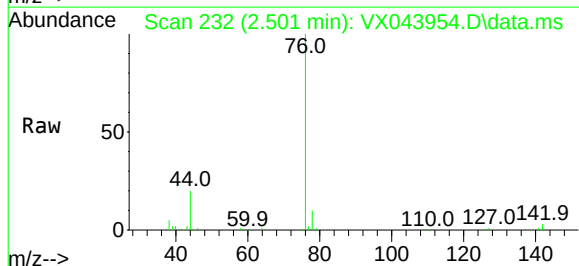
78 9.6 7.0 10.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#18

Methyl Acetate

Concen: 21.518 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043954.D

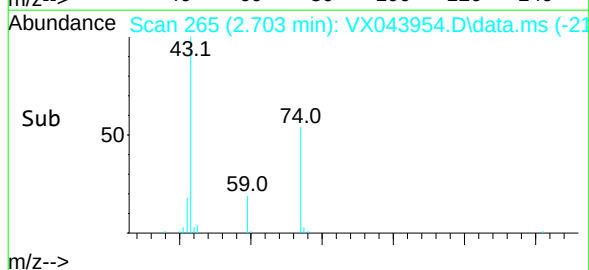
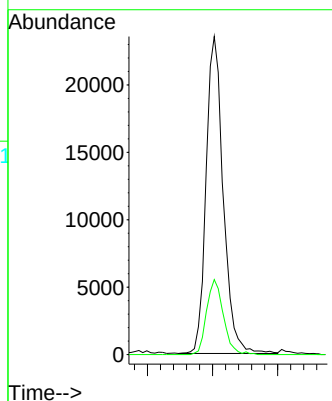
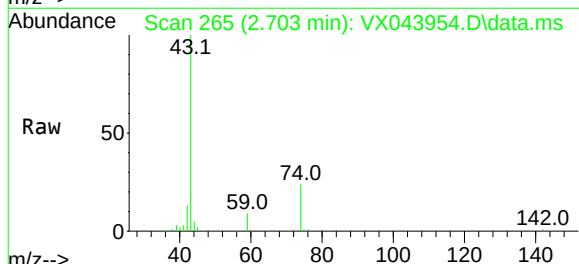
Acq: 22 Nov 2024 13:02

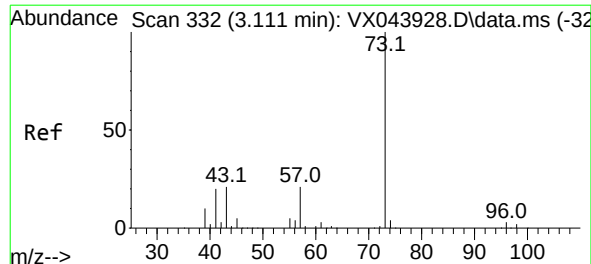
Tgt Ion: 43 Resp: 43057

Ion Ratio Lower Upper

43 100

74 23.2 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 21.626 ug/l

RT: 3.111 min Scan# 33

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 73 Resp: 98693

Ion Ratio Lower Upper

73 100

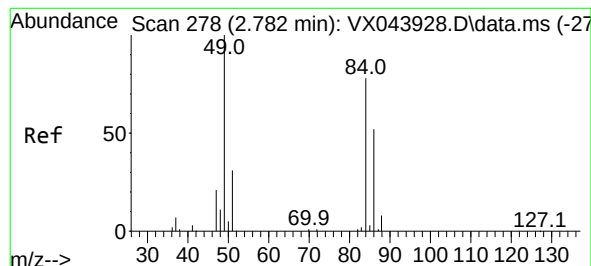
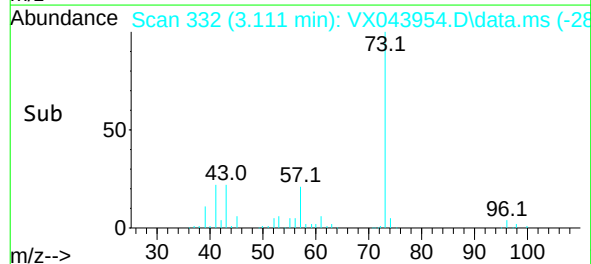
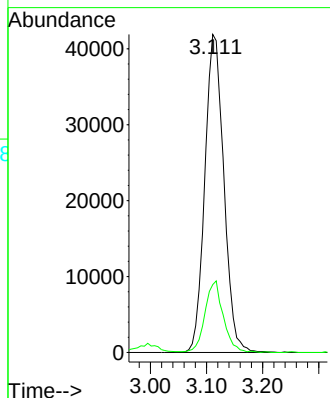
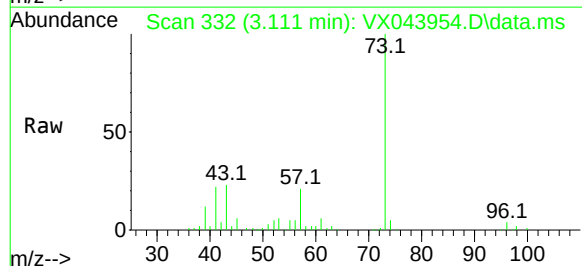
57 21.3 17.0 25.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#20

Methylene Chloride

Concen: 20.260 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Tgt Ion: 84 Resp: 29543

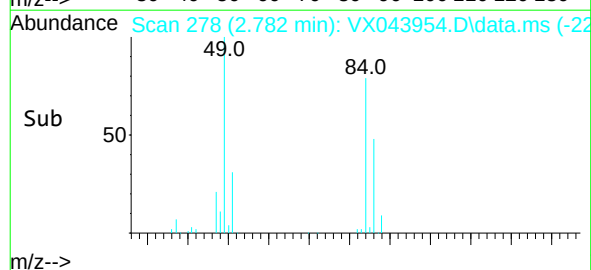
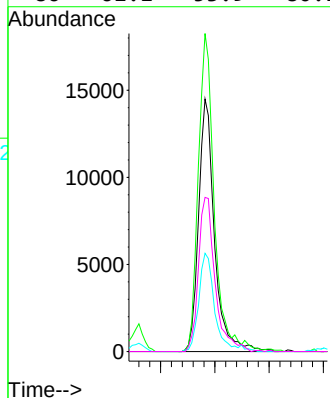
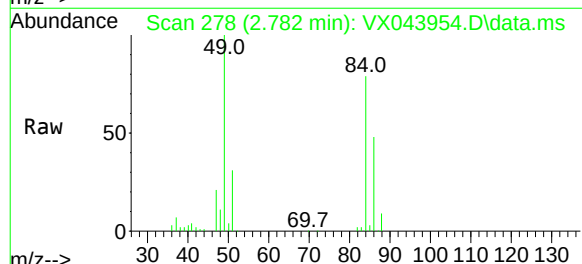
Ion Ratio Lower Upper

84 100

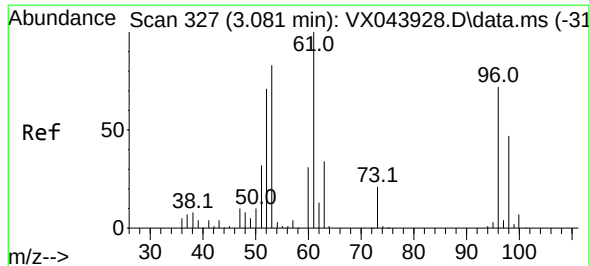
49 125.9 102.7 154.1

51 38.9 31.7 47.5

86 61.1 53.9 80.9







#21

trans-1,2-Dichloroethene

Concen: 20.345 ug/l

RT: 3.081 min Scan# 32

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 96 Resp: 26401

Ion Ratio Lower Upper

96 100

61 135.6 111.8 167.6

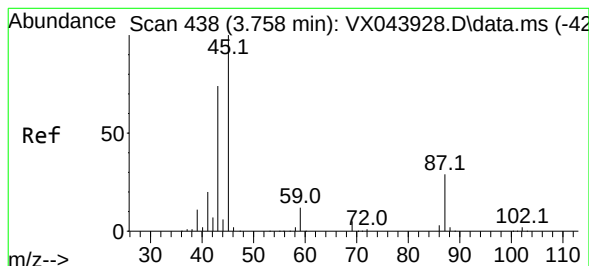
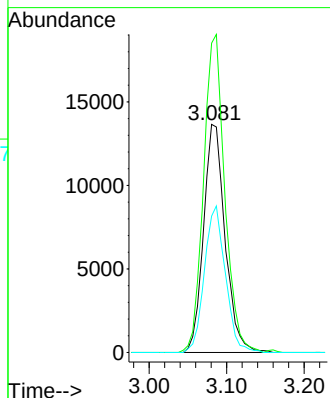
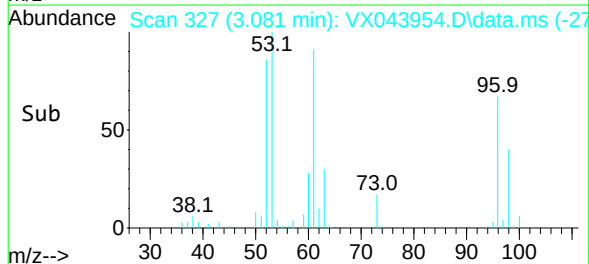
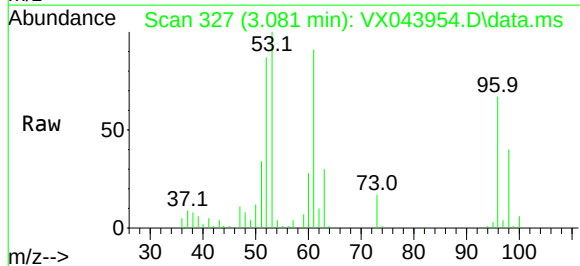
98 59.8 52.7 79.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#22

Diisopropyl ether

Concen: 21.444 ug/l

RT: 3.763 min Scan# 439

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Tgt Ion: 45 Resp: 94170

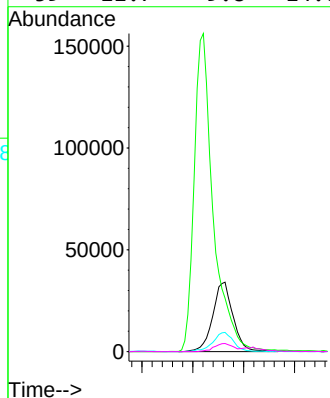
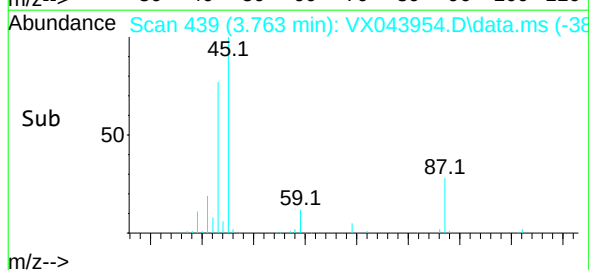
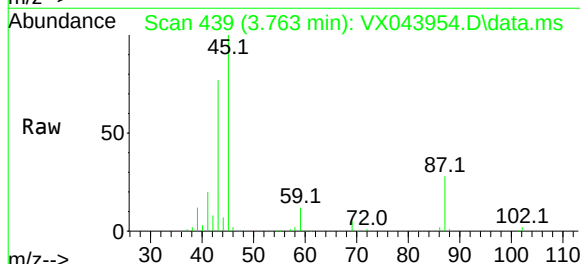
Ion Ratio Lower Upper

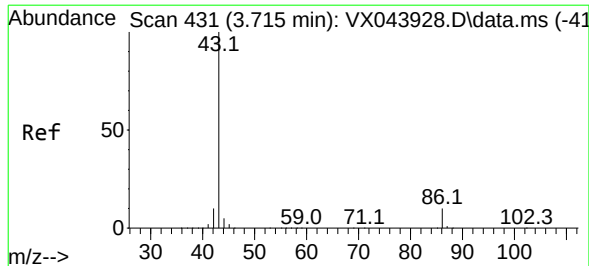
45 100

43 76.6 59.6 89.4

87 27.6 22.9 34.3

59 11.7 9.8 14.6





#23

Vinyl Acetate

Concen: 108.742 ug/l

RT: 3.721 min Scan# 43

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 43 Resp: 408506

Ion Ratio Lower Upper

43 100

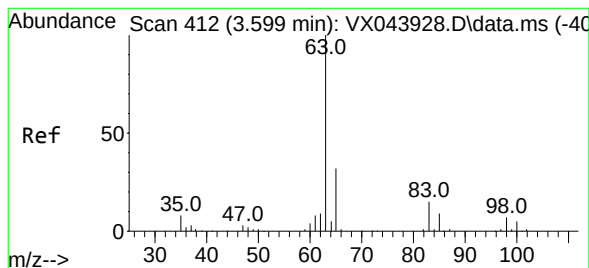
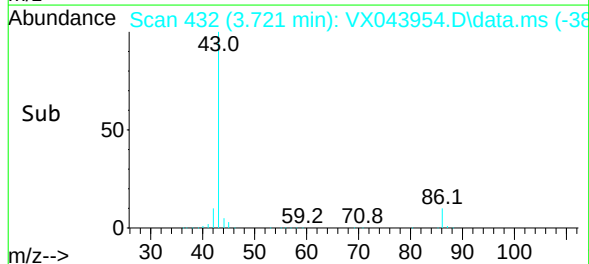
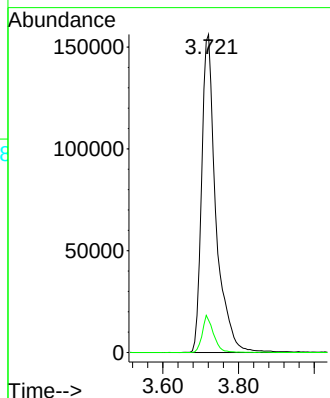
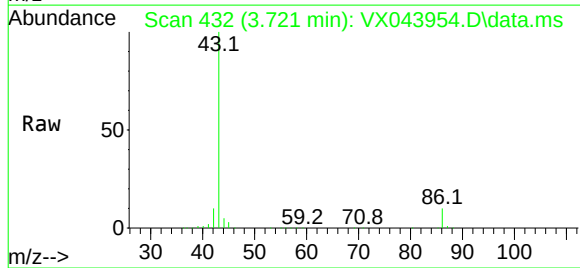
86 10.2 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#24

1,1-Dichloroethane

Concen: 20.662 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

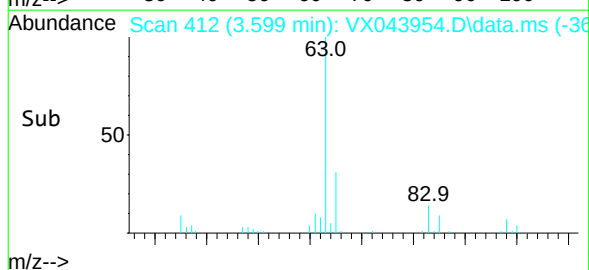
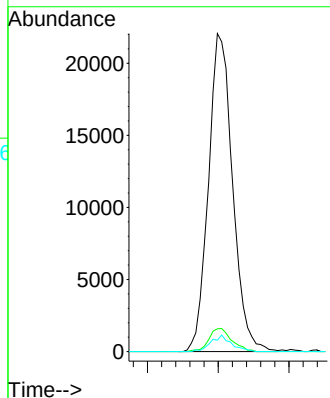
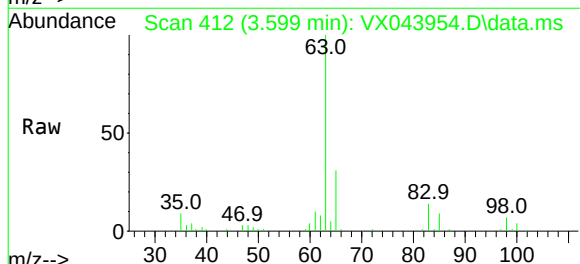
Tgt Ion: 63 Resp: 52345

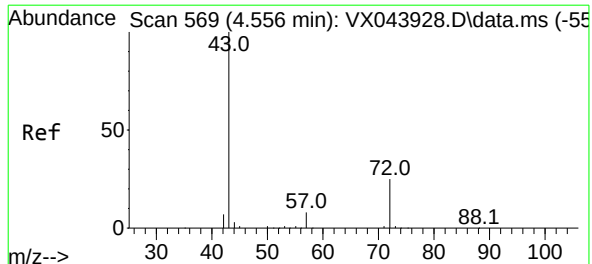
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.6

100 3.6 2.4 7.1





#25

2-Butanone

Concen: 107.988 ug/l

RT: 4.562 min Scan# 571

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 43 Resp: 119728

Ion Ratio Lower Upper

43 100

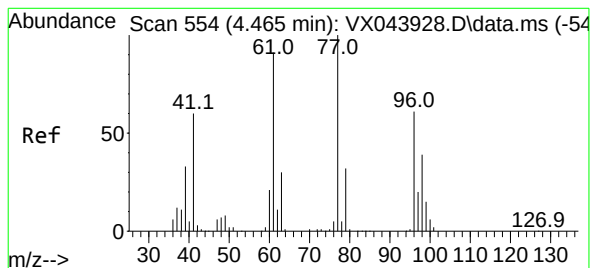
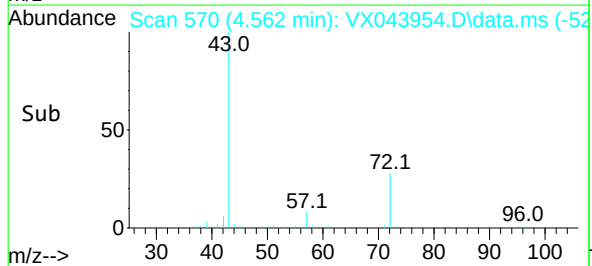
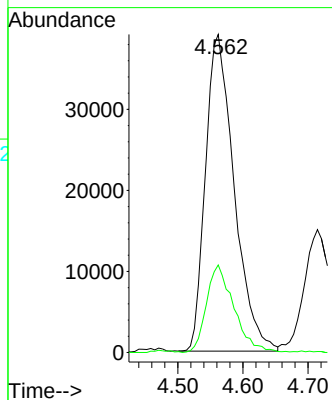
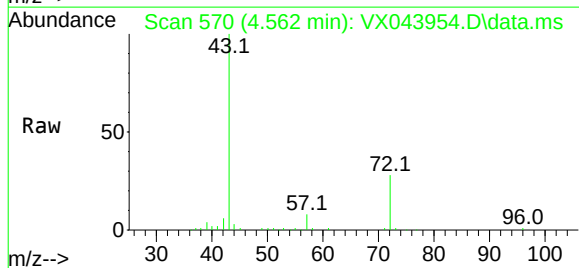
72 27.4 20.2 30.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#26

2,2-Dichloropropane

Concen: 20.157 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043954.D

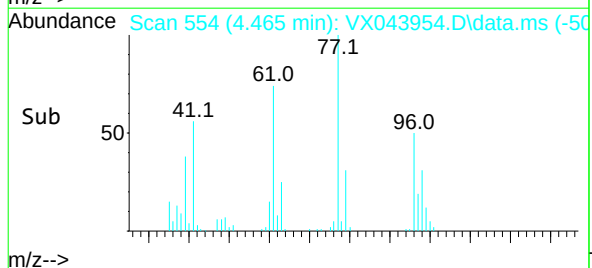
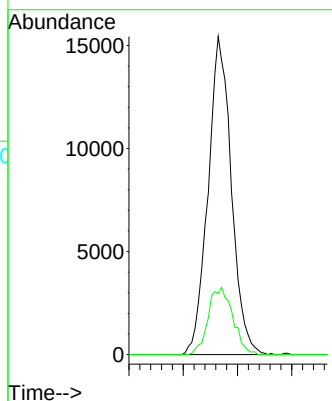
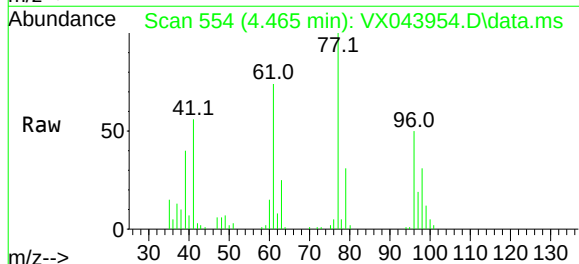
Acq: 22 Nov 2024 13:02

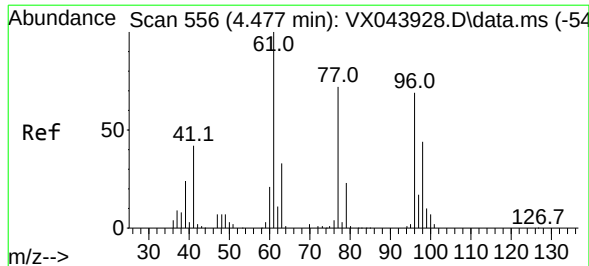
Tgt Ion: 77 Resp: 46118

Ion Ratio Lower Upper

77 100

97 22.3 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.353 ug/l

RT: 4.483 min Scan# 55

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 96 Resp: 32647

Ion Ratio Lower Upper

96 100

61 150.3 0.0 297.4

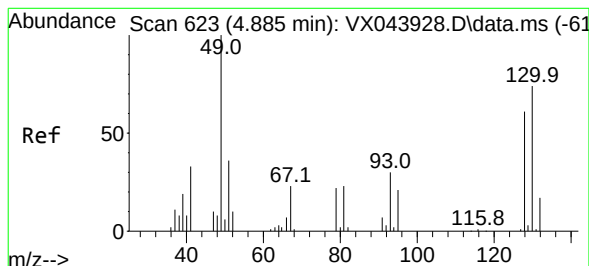
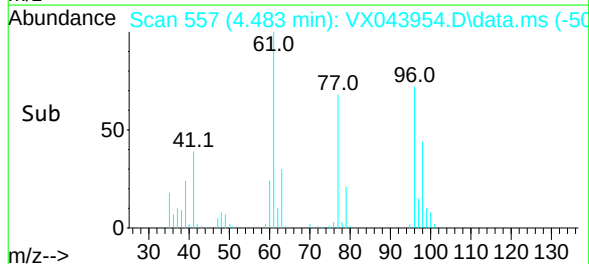
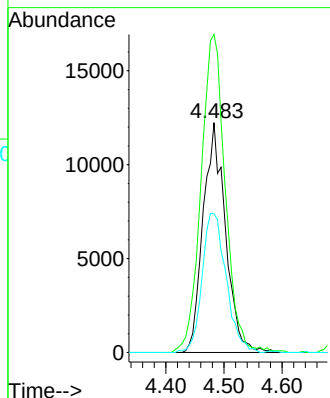
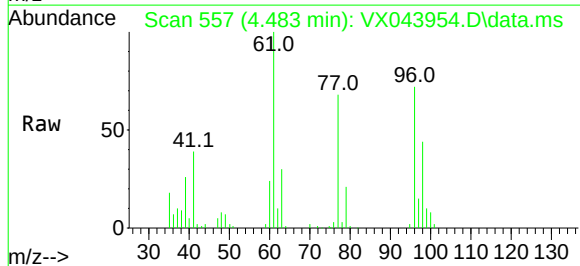
98 65.3 0.0 127.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#28

Bromochloromethane

Concen: 19.848 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

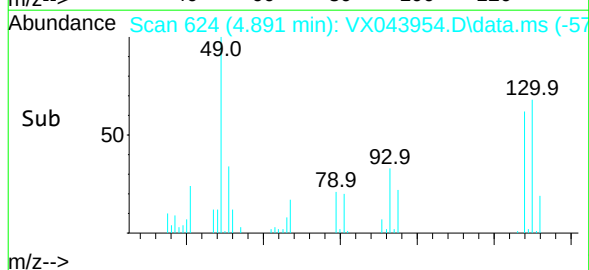
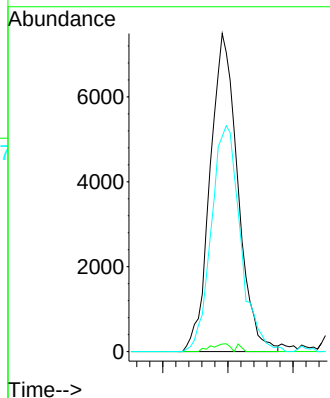
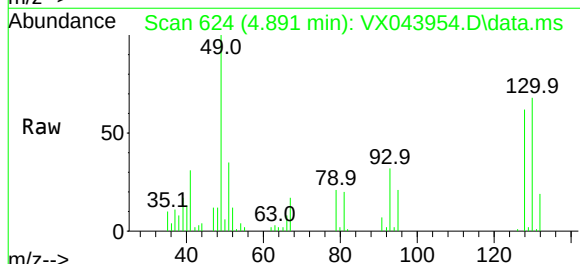
Tgt Ion: 49 Resp: 22133

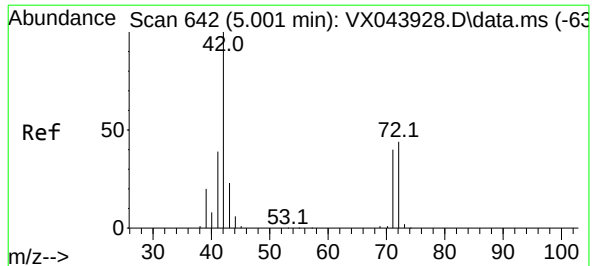
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.0

130 74.6 59.0 88.6





#29

Tetrahydrofuran

Concen: 109.701 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX043954.D

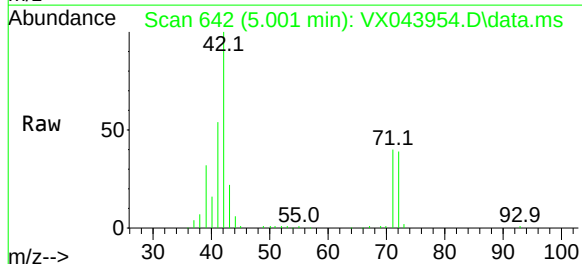
Acq: 22 Nov 2024 13:02

Instrument :

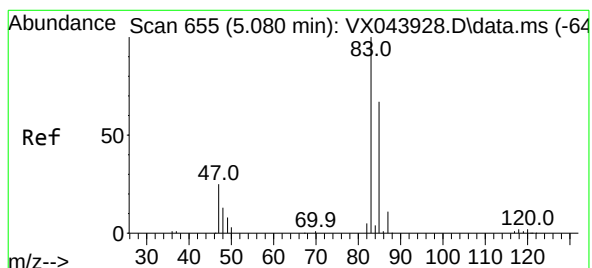
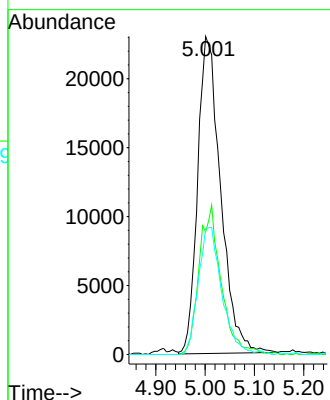
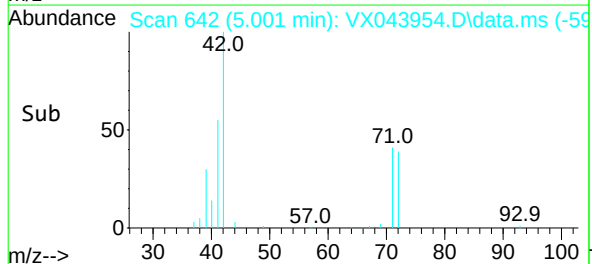
MSVOA\_X

ClientSampleId :

VX1122WBSD01



| Tgt Ion: | 42    | Resp: | 74565 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 42       | 100   |       |       |
| 72       | 45.0  | 36.4  | 54.6  |
| 71       | 40.9  | 33.4  | 50.0  |

Manual Integrations  
APPROVEDReviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

#30

Chloroform

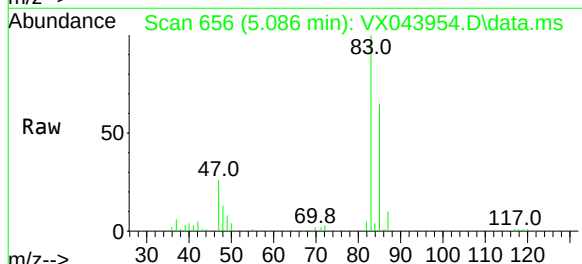
Concen: 21.310 ug/l

RT: 5.086 min Scan# 656

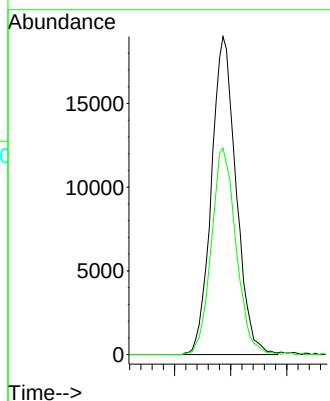
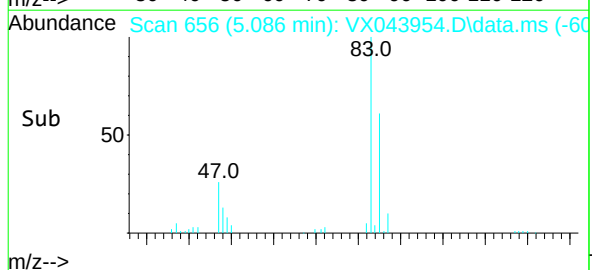
Delta R.T. 0.006 min

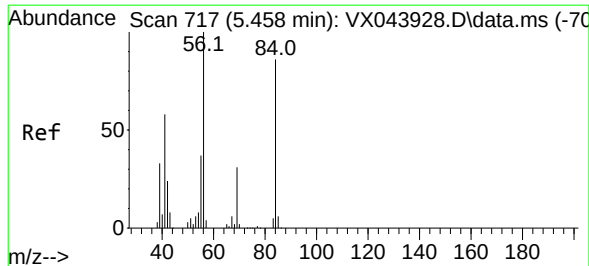
Lab File: VX043954.D

Acq: 22 Nov 2024 13:02



| Tgt Ion: | 83    | Resp: | 58065 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.9  | 53.5  | 80.3  |





#31

Cyclohexane

Concen: 20.930 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 56 Resp: 43641

Ion Ratio Lower Upper

56 100

69 28.1 24.7 37.1

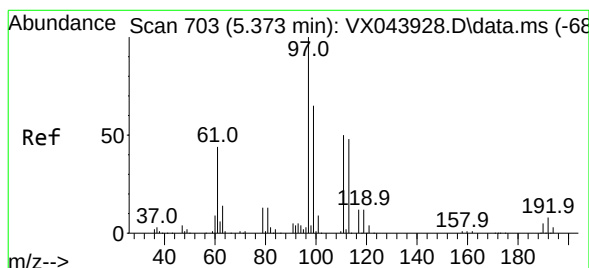
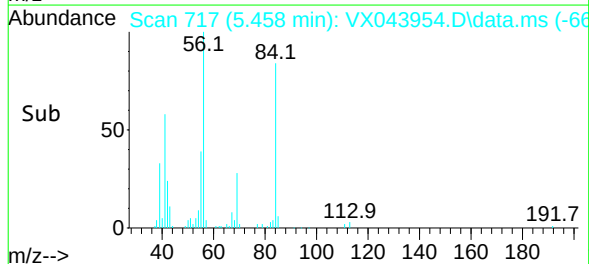
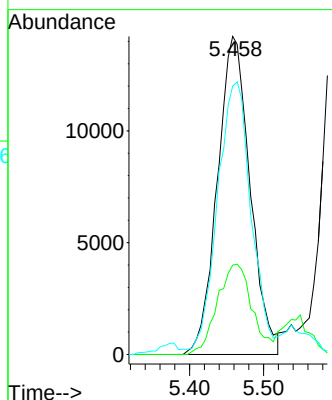
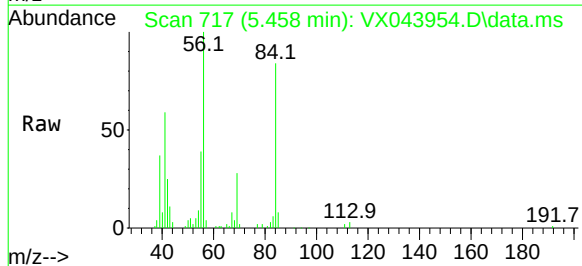
84 82.8 68.7 103.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#32

1,1,1-Trichloroethane

Concen: 20.691 ug/l

RT: 5.367 min Scan# 702

Delta R.T. -0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

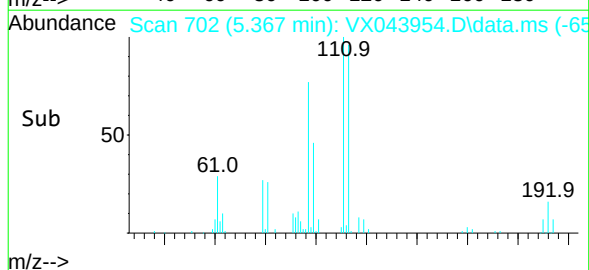
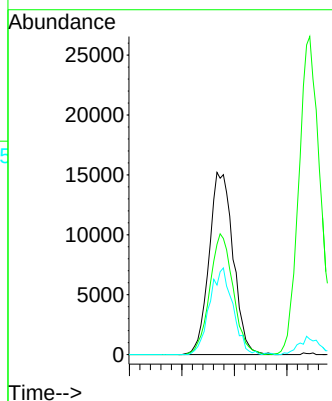
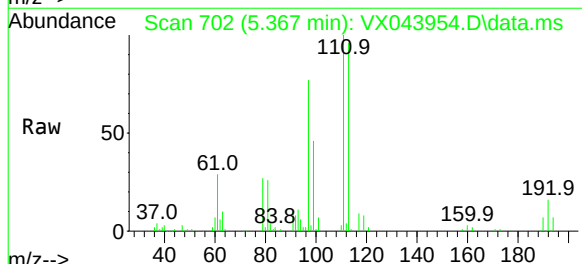
Tgt Ion: 97 Resp: 48619

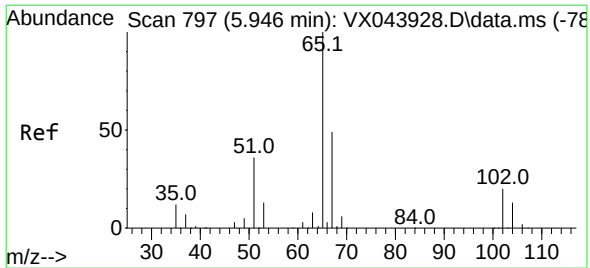
Ion Ratio Lower Upper

97 100

99 64.1 50.8 76.2

61 45.8 35.4 53.2





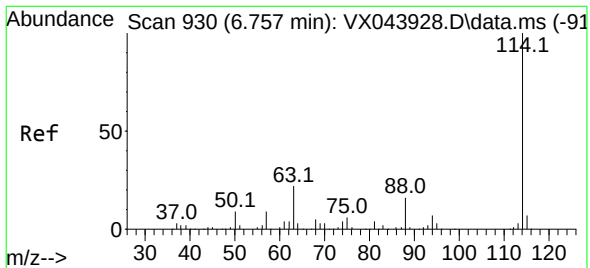
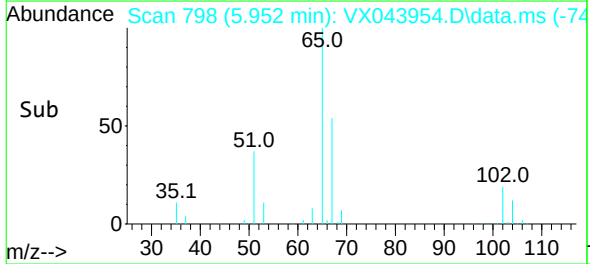
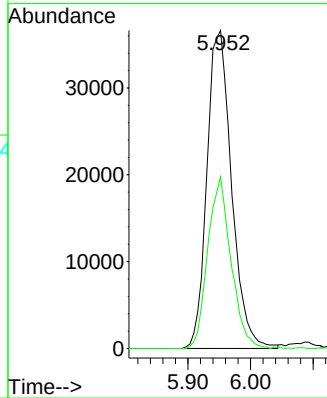
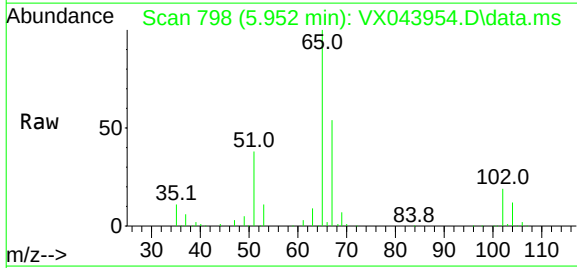
#33  
1,2-Dichloroethane-d4  
Concen: 53.557 ug/l  
RT: 5.952 min Scan# 797  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

Tgt Ion: 65 Resp: 100196  
Ion Ratio Lower Upper  
65 100  
67 50.7 0.0 100.8

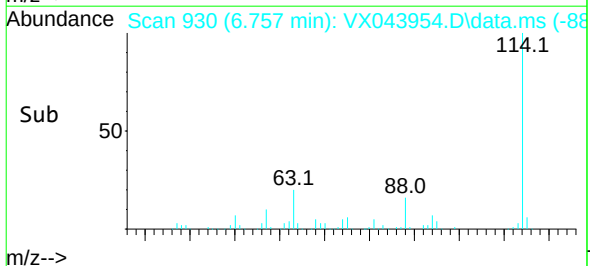
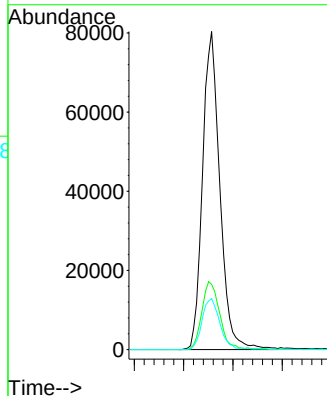
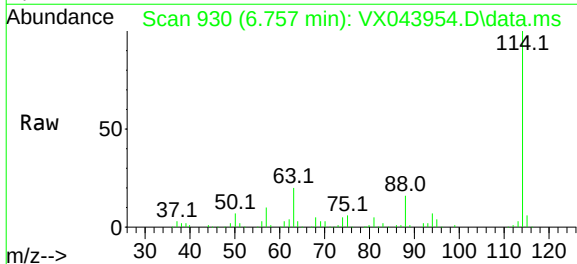
Manual Integrations  
APPROVED

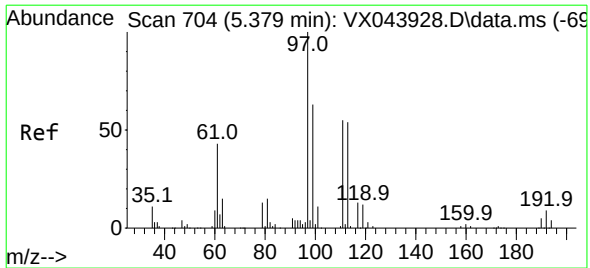
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:114 Resp: 195872  
Ion Ratio Lower Upper  
114 100  
63 20.5 0.0 44.0  
88 16.0 0.0 32.4





#35

Dibromofluoromethane

Concen: 51.541 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:113 Resp: 72137

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

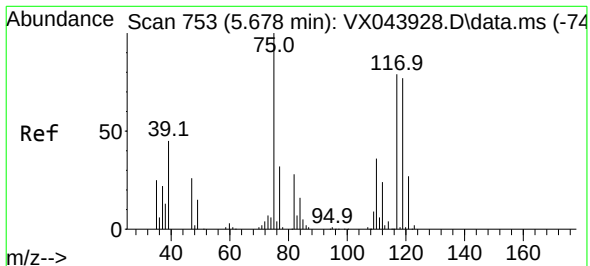
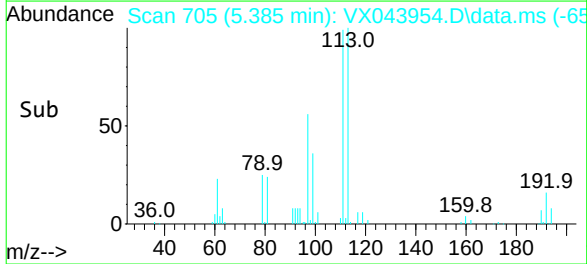
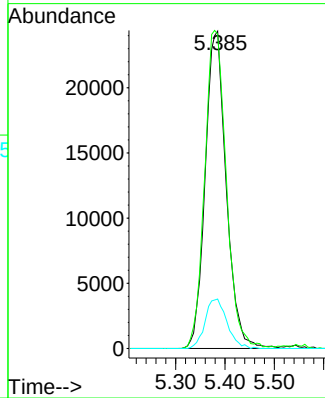
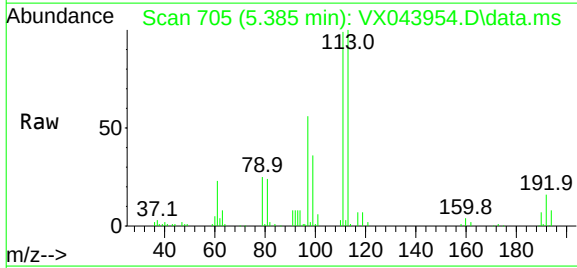
192 16.2 13.0 19.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#36

1,1-Dichloropropene

Concen: 20.506 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

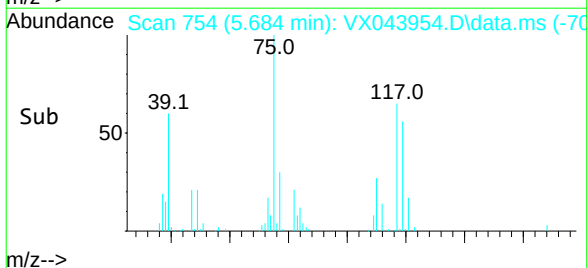
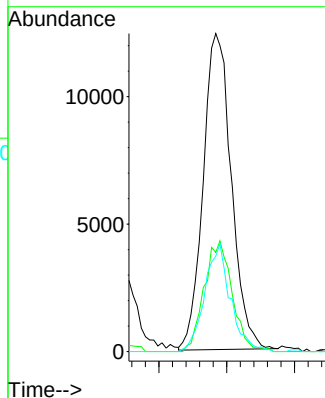
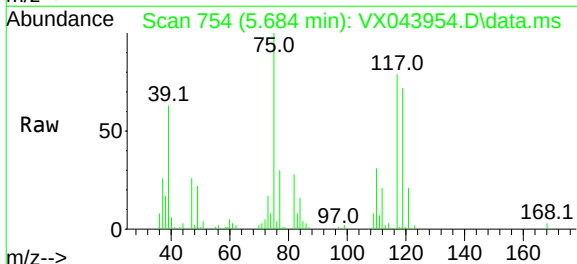
Tgt Ion: 75 Resp: 35764

Ion Ratio Lower Upper

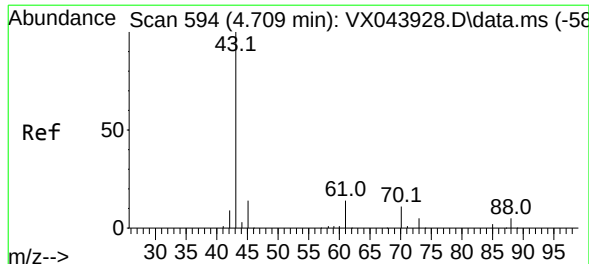
75 100

110 34.8 17.4 52.2

77 31.1 25.8 38.8







#37

Ethyl Acetate

Concen: 21.749 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 43 Resp: 47085

Ion Ratio Lower Upper

43 100

61 12.7 10.7 16.1

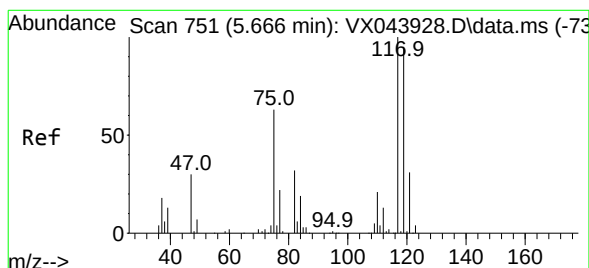
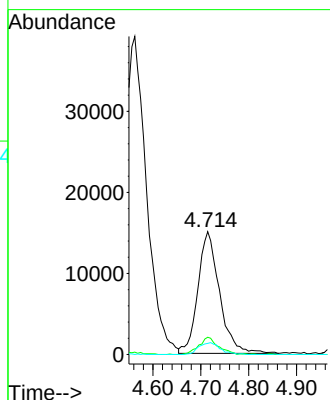
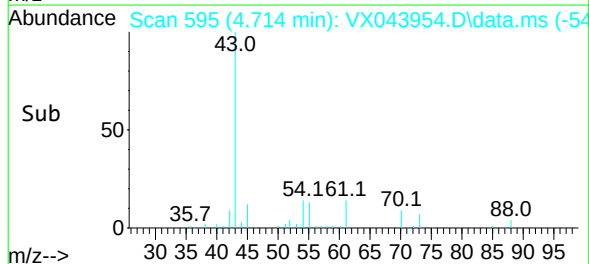
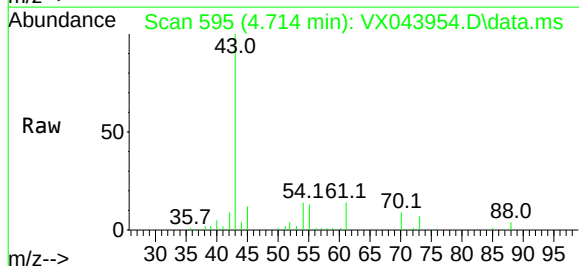
70 9.6 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#38

Carbon Tetrachloride

Concen: 19.920 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

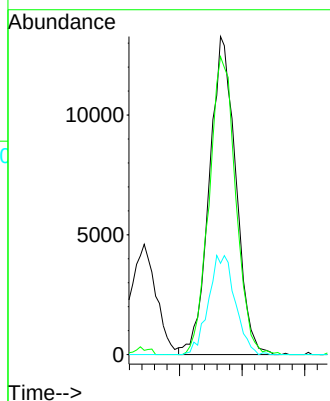
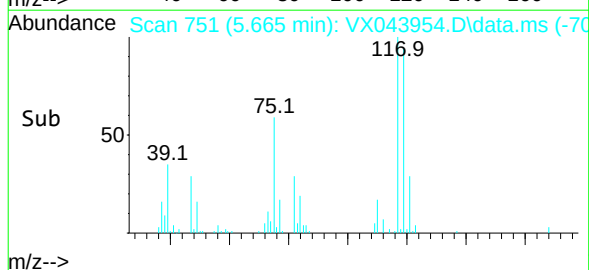
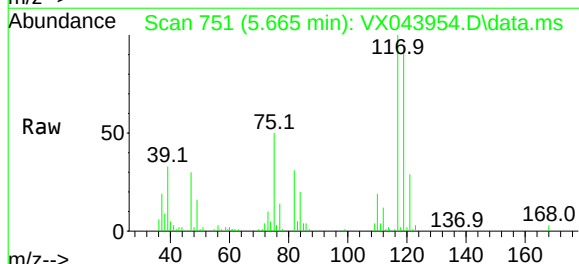
Tgt Ion:117 Resp: 39037

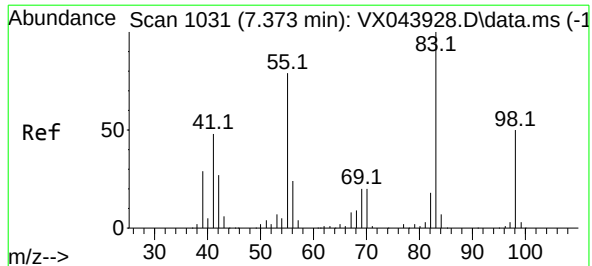
Ion Ratio Lower Upper

117 100

119 93.6 75.2 112.8

121 28.7 24.5 36.7





#39

Methylcyclohexane

Concen: 20.474 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 83 Resp: 46390

Ion Ratio Lower Upper

83 100

55 70.3 63.1 94.7

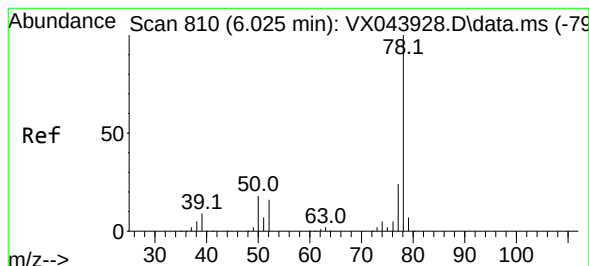
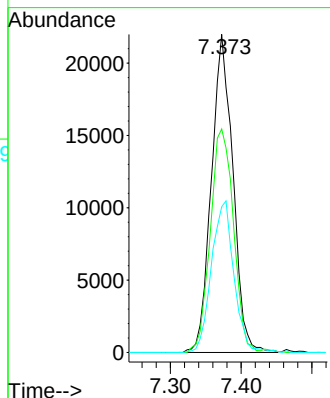
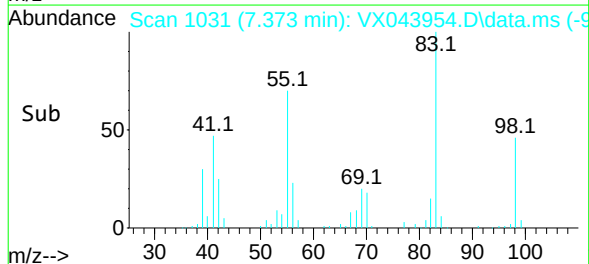
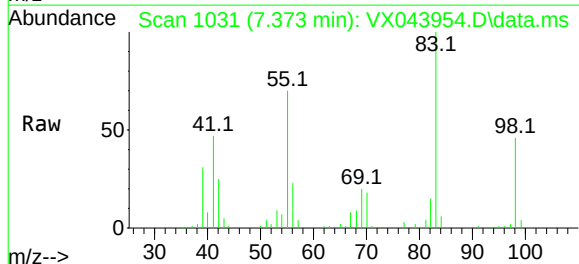
98 45.8 40.0 60.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#40

Benzene

Concen: 20.730 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043954.D

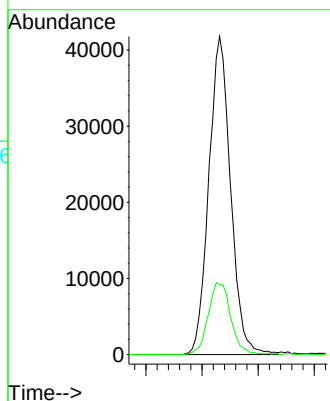
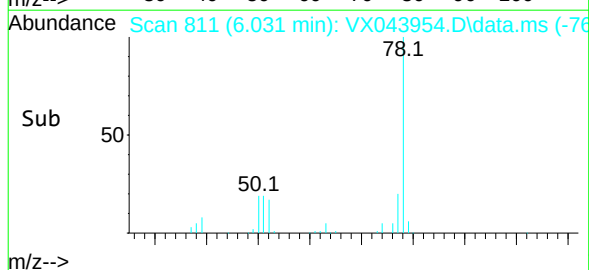
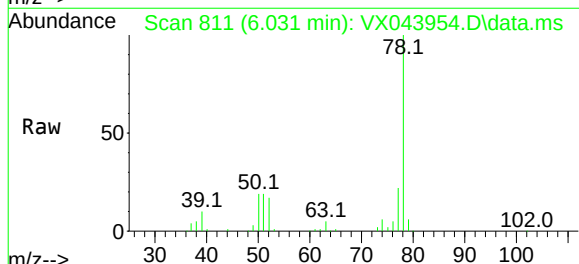
Acq: 22 Nov 2024 13:02

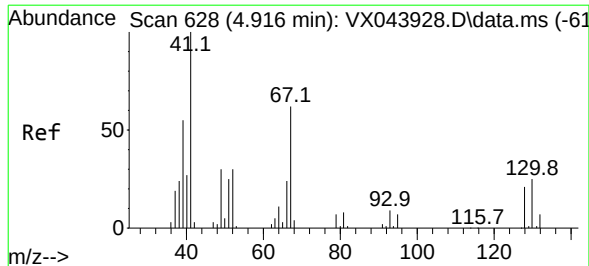
Tgt Ion: 78 Resp: 112619

Ion Ratio Lower Upper

78 100

77 22.0 19.2 28.8





#41

Methacrylonitrile

Concen: 20.630 ug/l

RT: 4.928 min Scan# 63

Delta R.T. 0.012 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 41 Resp: 22859

Ion Ratio Lower Upper

41 100

39 55.7 41.7 62.5

67 73.1 55.8 83.8

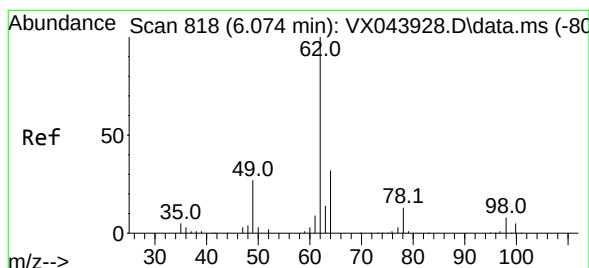
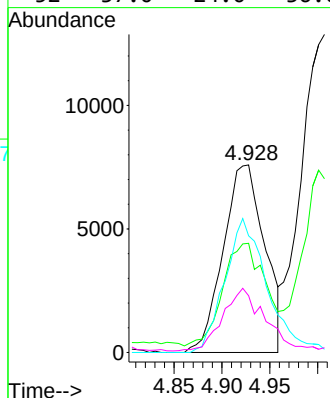
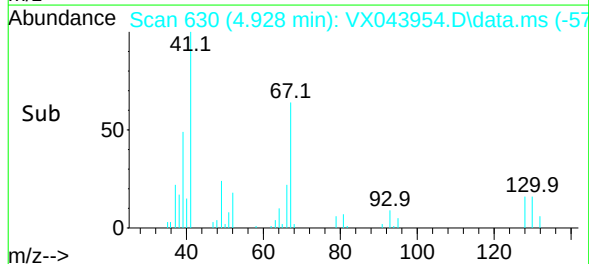
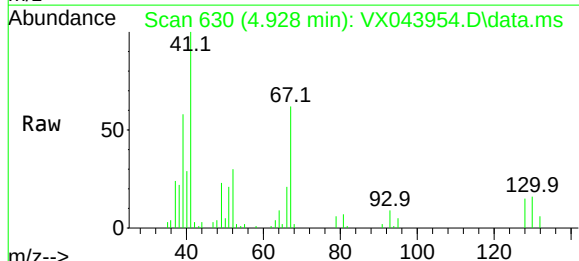
52 37.0 24.0 36.0#

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#42

1,2-Dichloroethane

Concen: 21.172 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX043954.D

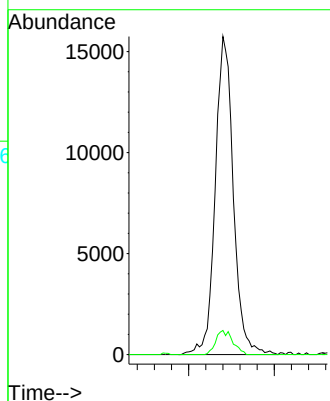
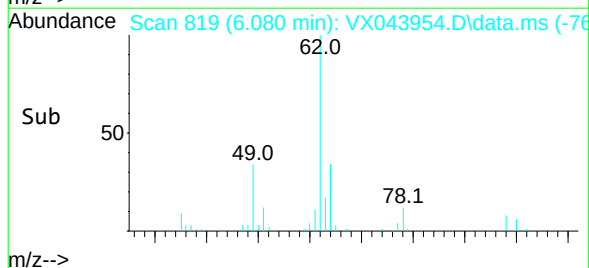
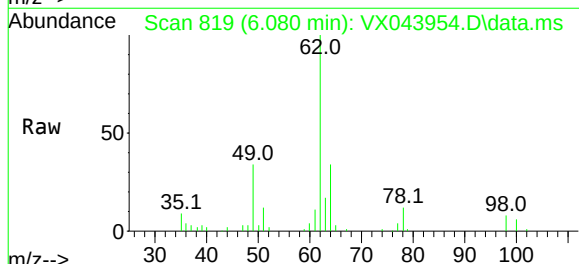
Acq: 22 Nov 2024 13:02

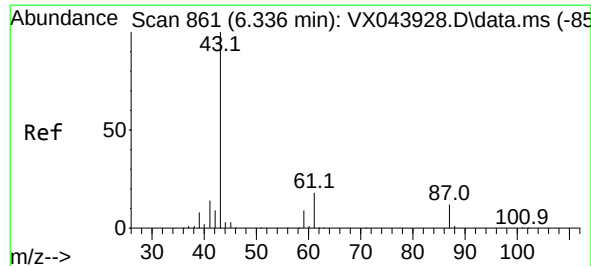
Tgt Ion: 62 Resp: 46195

Ion Ratio Lower Upper

62 100

98 7.1 0.0 16.4





#43

Isopropyl Acetate

Concen: 21.661 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 43 Resp: 74632

Ion Ratio Lower Upper

43 100

61 17.5 14.5 21.7

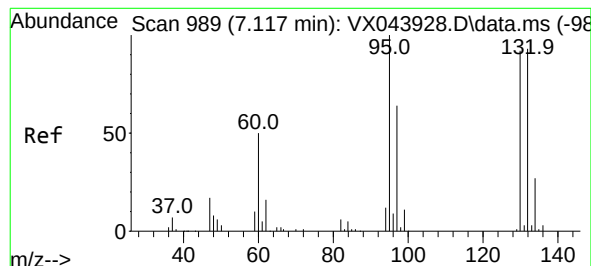
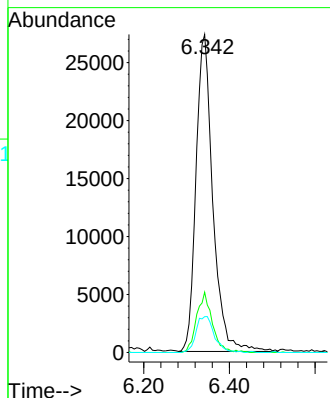
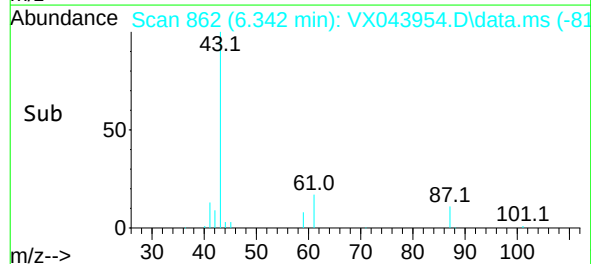
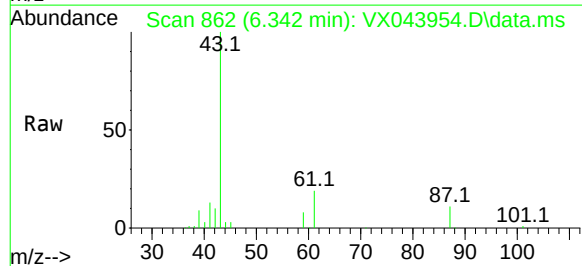
87 12.3 10.2 15.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#44

Trichloroethene

Concen: 17.414 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043954.D

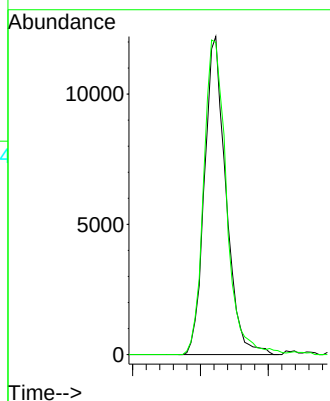
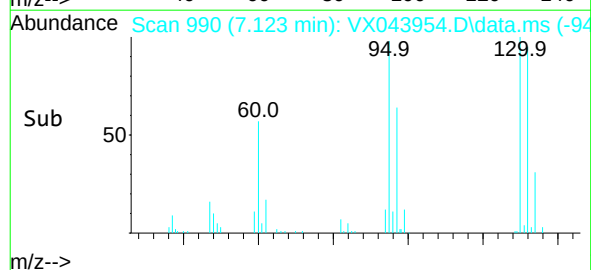
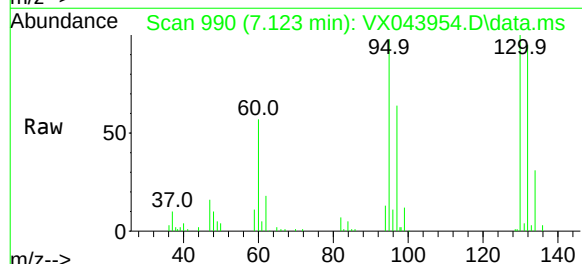
Acq: 22 Nov 2024 13:02

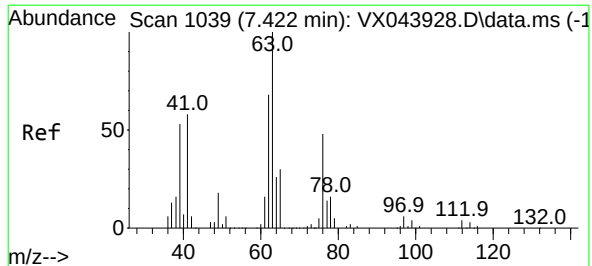
Tgt Ion:130 Resp: 26781

Ion Ratio Lower Upper

130 100

95 98.1 0.0 217.8





#45

1,2-Dichloropropane

Concen: 21.366 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 63 Resp: 28429

Ion Ratio Lower Upper

63 100

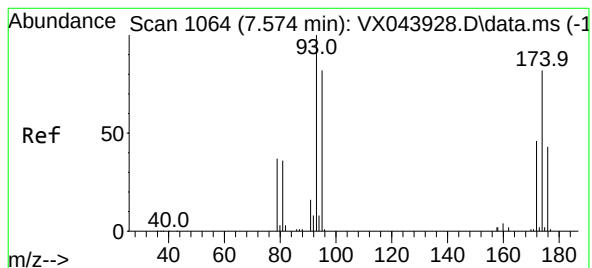
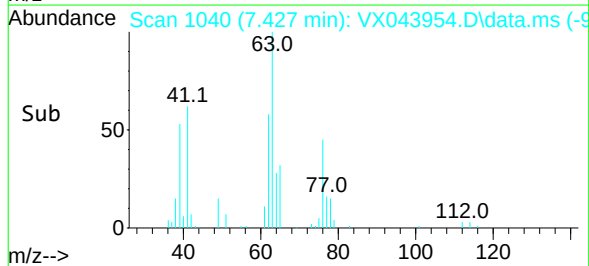
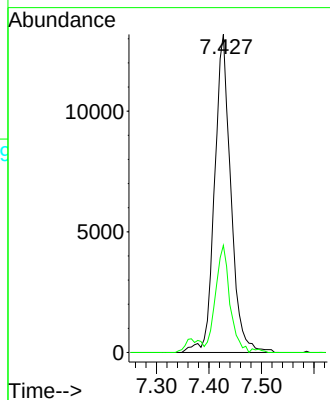
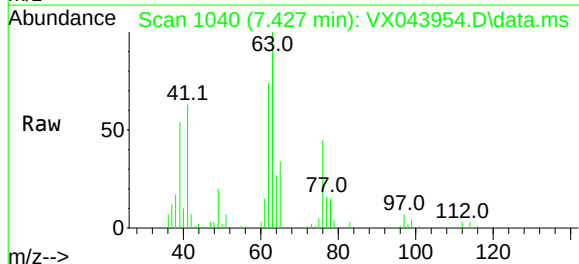
65 33.7 23.8 35.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#46

Dibromomethane

Concen: 21.475 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

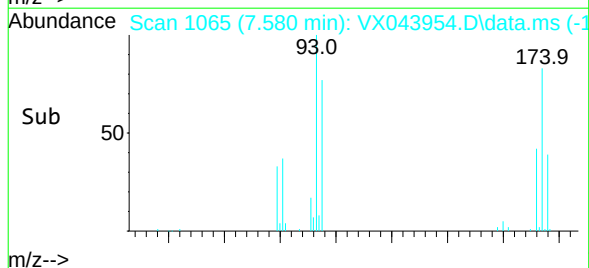
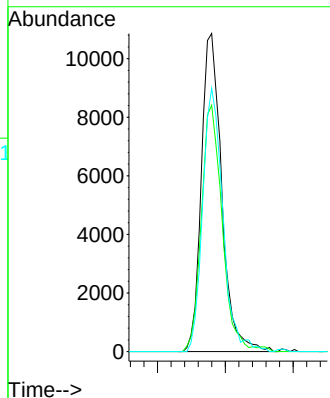
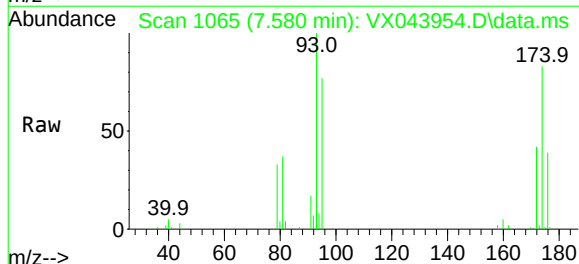
Tgt Ion: 93 Resp: 22603

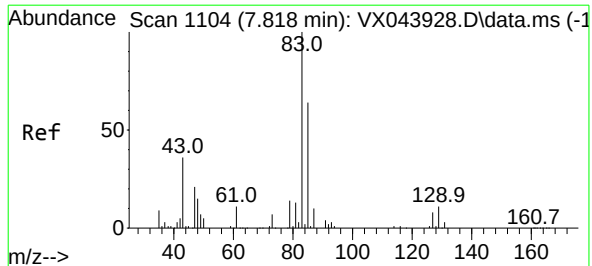
Ion Ratio Lower Upper

93 100

95 79.5 66.2 99.4

174 82.5 69.6 104.4





#47

Bromodichloromethane

Concen: 20.524 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

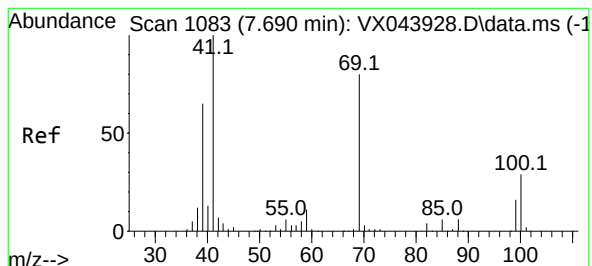
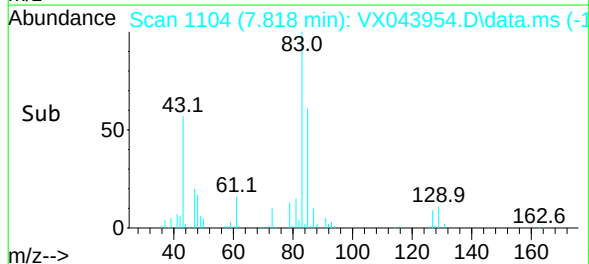
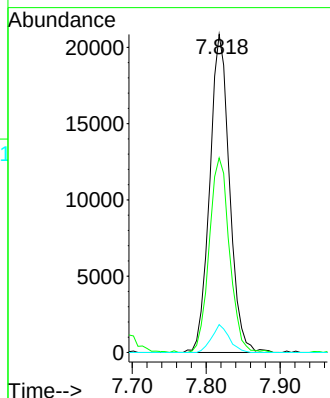
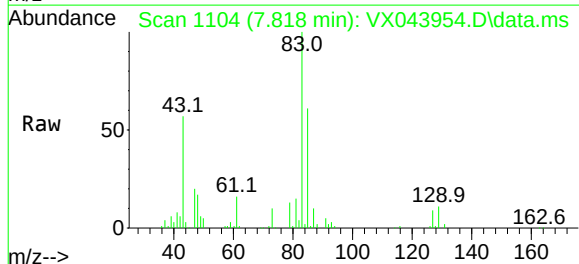
VX1122WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 38744 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 61.2  | 51.4  | 77.0  |
| 127      | 8.8   | 6.6   | 10.0  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#48

Methyl methacrylate

Concen: 20.644 ug/l

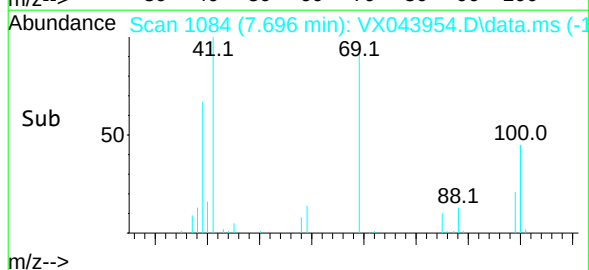
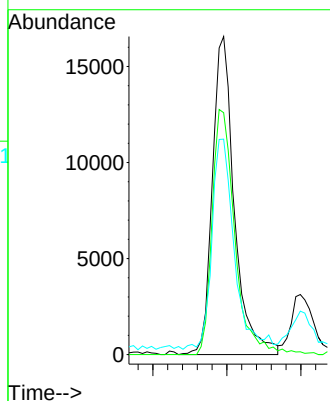
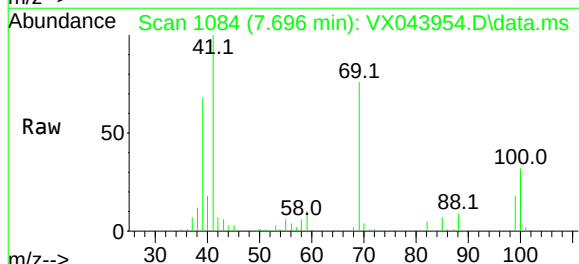
RT: 7.696 min Scan# 1084

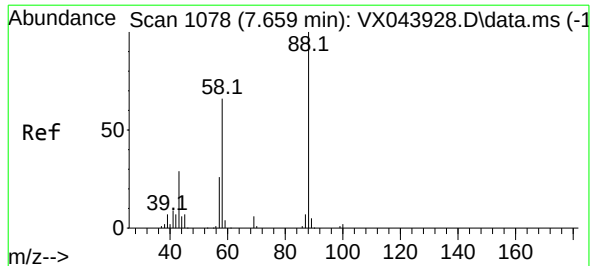
Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 34130 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 69       | 80.2  | 64.6  | 97.0  |
| 39       | 67.1  | 53.3  | 79.9  |





#49

1,4-Dioxane

Concen: 357.698 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 88 Resp: 10534

Ion Ratio Lower Upper

88 100

43 40.0 26.8 40.2

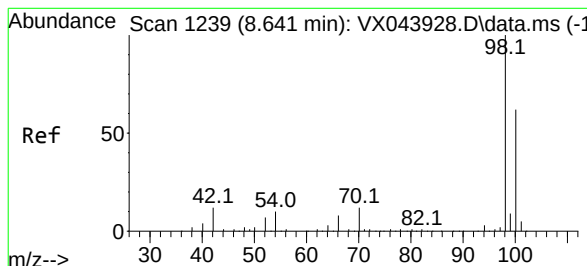
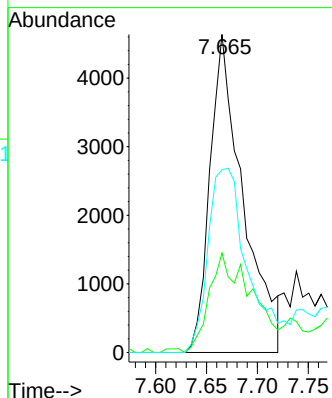
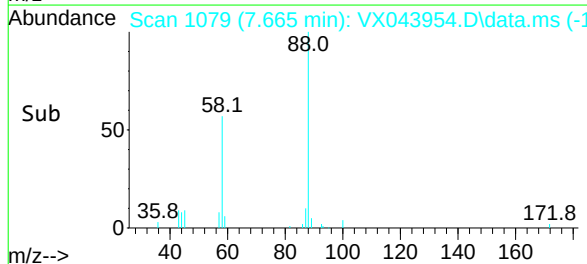
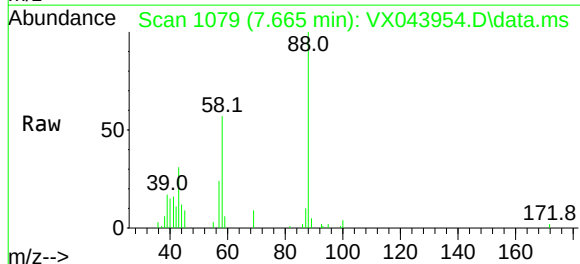
58 71.2 45.4 68.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#50

Toluene-d8

Concen: 51.950 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043954.D

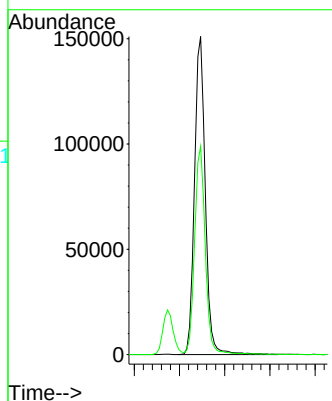
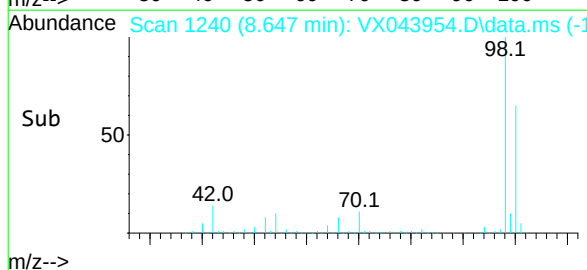
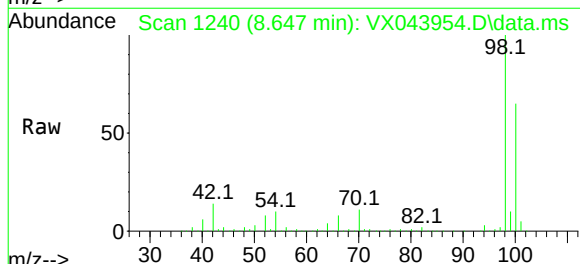
Acq: 22 Nov 2024 13:02

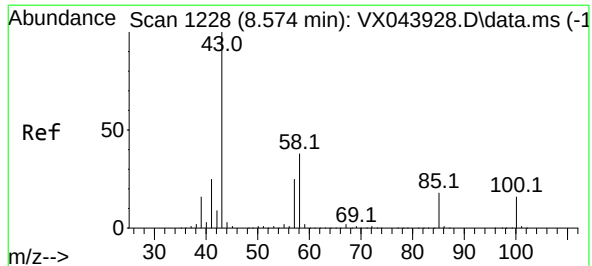
Tgt Ion: 98 Resp: 250635

Ion Ratio Lower Upper

98 100

100 63.5 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 112.638 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 43 Resp: 236829

Ion Ratio Lower Upper

43 100

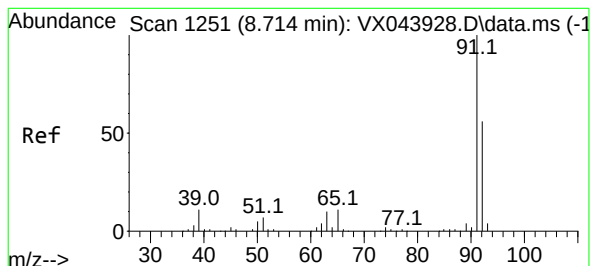
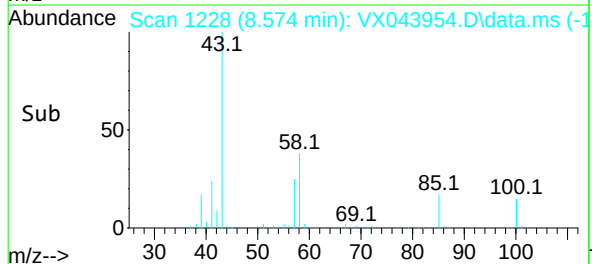
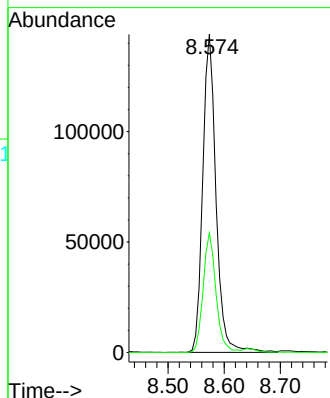
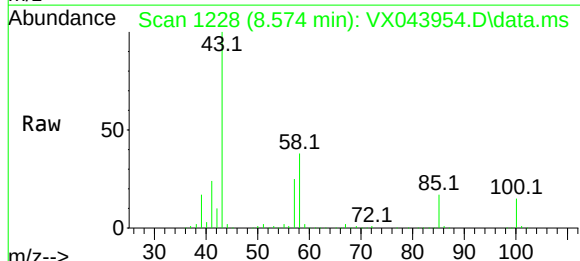
58 36.4 30.0 45.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#52

Toluene

Concen: 21.356 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043954.D

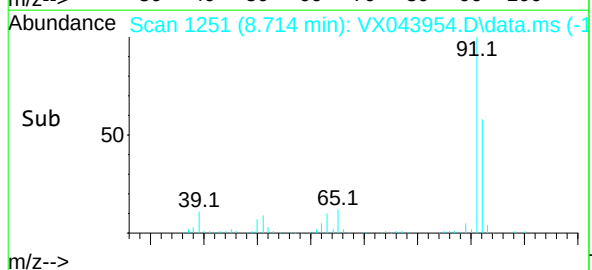
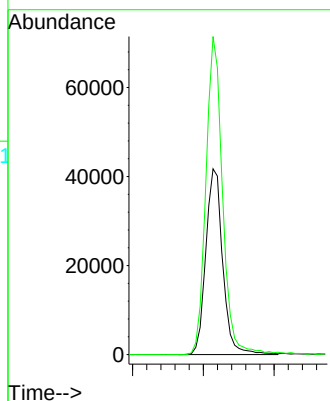
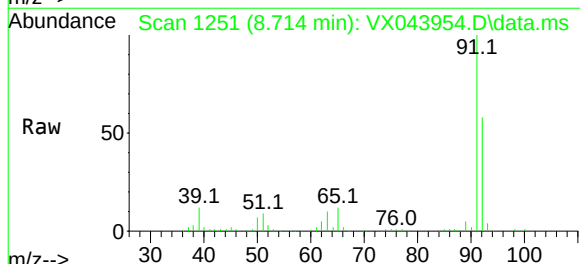
Acq: 22 Nov 2024 13:02

Tgt Ion: 92 Resp: 69441

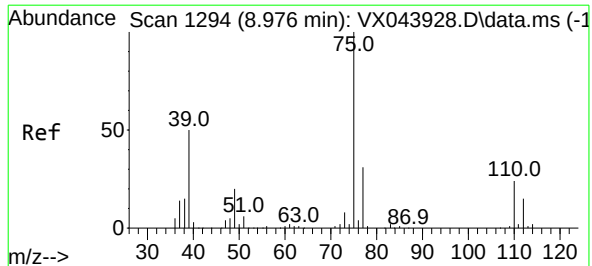
Ion Ratio Lower Upper

92 100

91 168.5 139.7 209.5







#53

t-1,3-Dichloropropene

Concen: 20.285 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 39050

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7

Instrument :

MSVOA\_X

ClientSampleId :

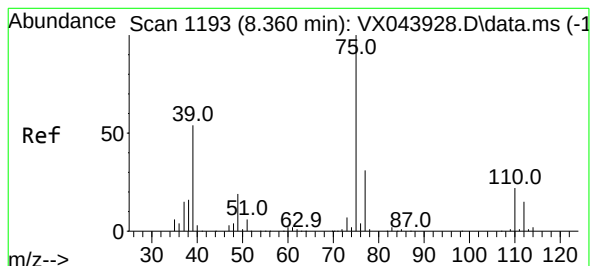
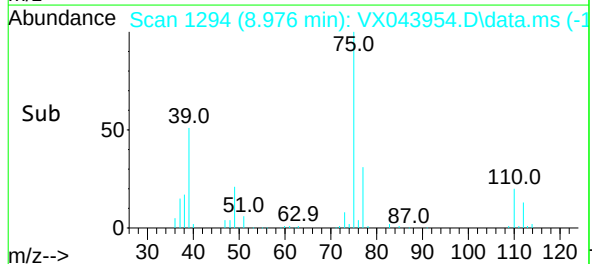
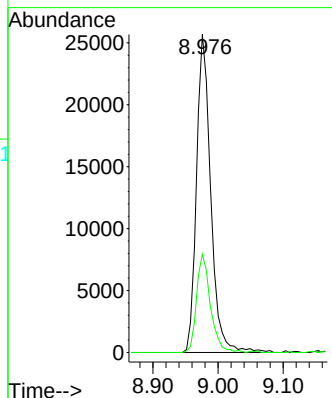
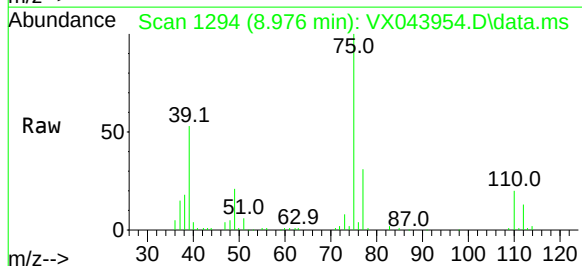
VX1122WBSD01

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#54

cis-1,3-Dichloropropene

Concen: 20.580 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

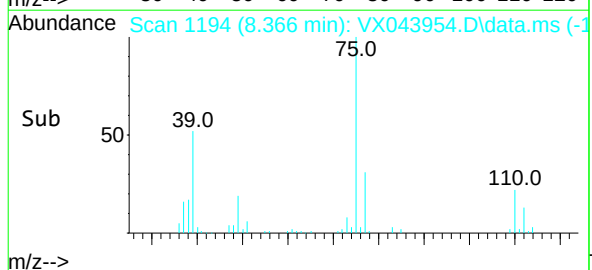
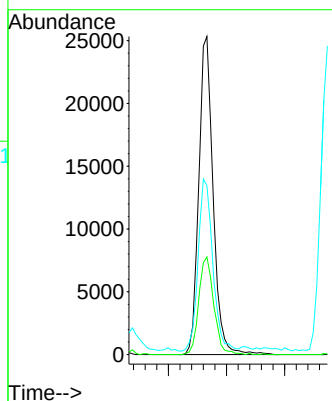
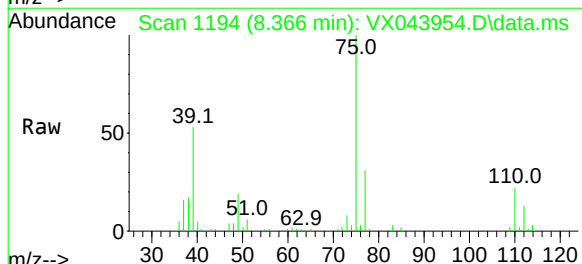
Tgt Ion: 75 Resp: 43430

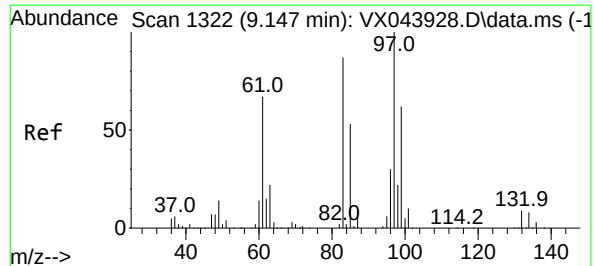
Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 52.0 43.1 64.7





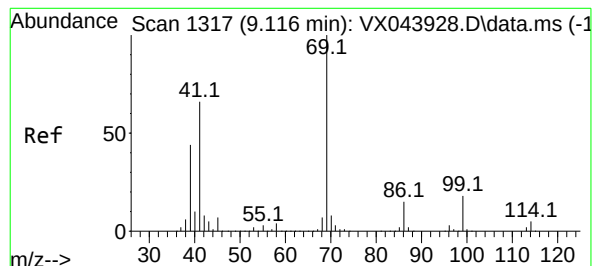
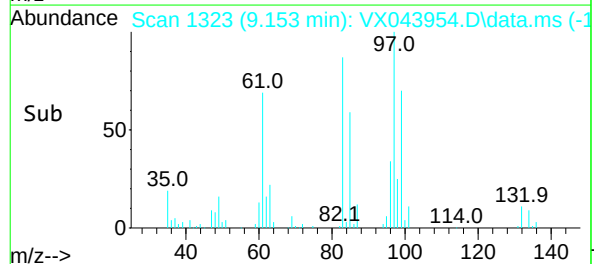
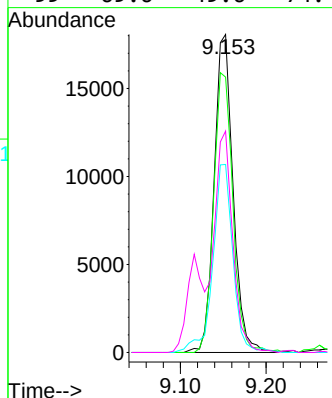
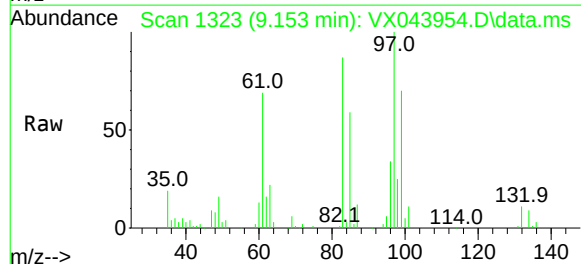
#55  
1,1,2-Trichloroethane  
Concen: 20.697 ug/l  
RT: 9.153 min Scan# 1317  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 27781 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.6  | 69.4  | 104.0 |
| 85       | 58.8  | 42.3  | 63.5  |
| 99       | 69.6  | 49.6  | 74.4  |

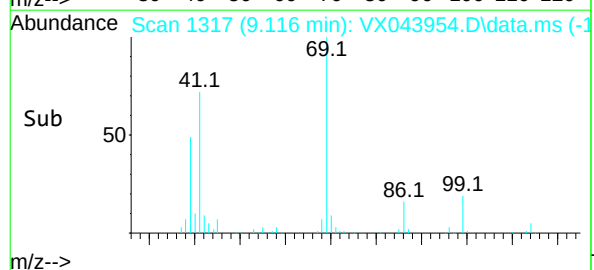
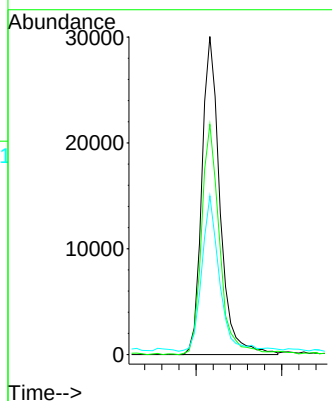
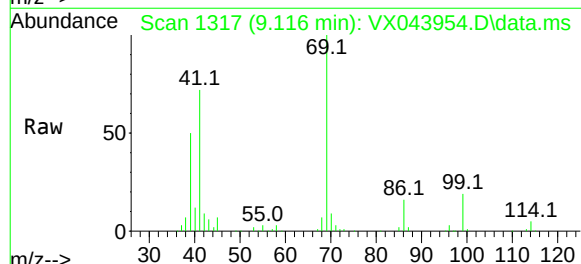
Manual Integrations  
APPROVED

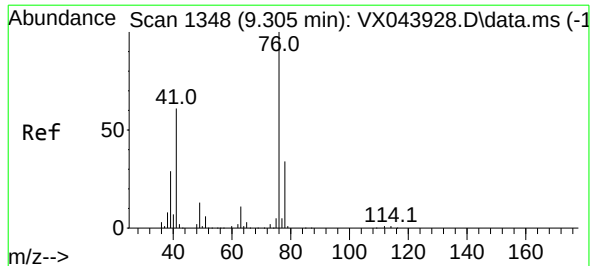
Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024



#56  
Ethyl methacrylate  
Concen: 21.098 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 44109 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 70.8  | 55.8  | 83.8  |
| 39       | 47.9  | 36.7  | 55.1  |





#57

1,3-Dichloropropane

Concen: 22.042 ug/l

RT: 9.305 min Scan# 1348

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 76 Resp: 49838

Ion Ratio Lower Upper

76 100

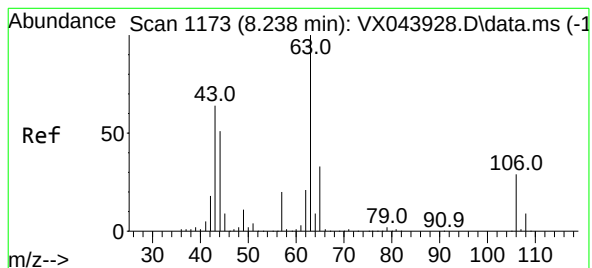
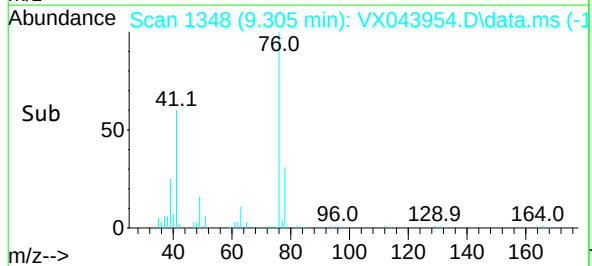
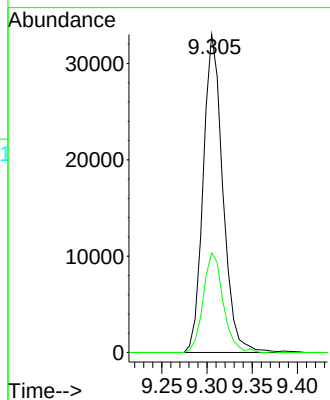
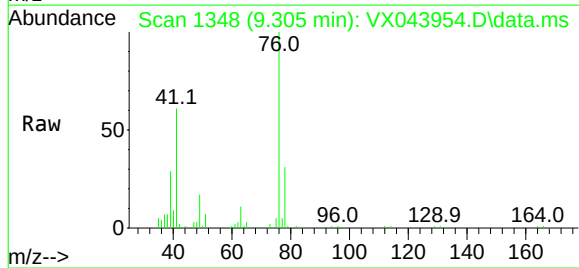
78 31.8 26.0 39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#58

2-Chloroethyl Vinyl ether

Concen: 97.143 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043954.D

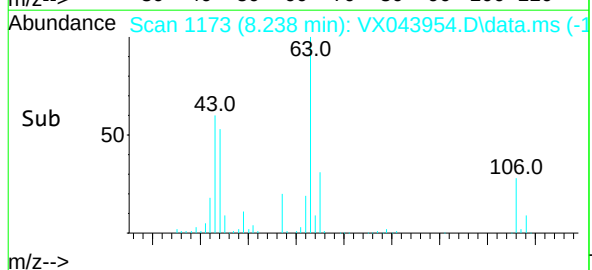
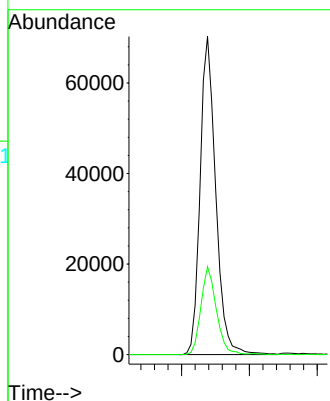
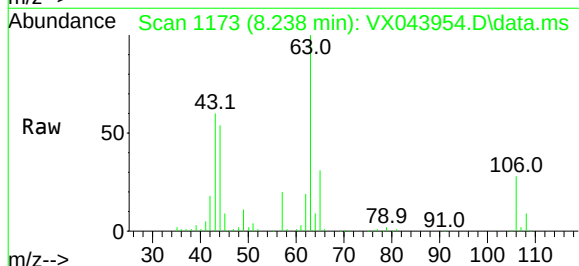
Acq: 22 Nov 2024 13:02

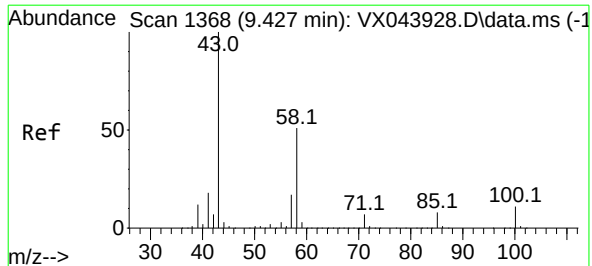
Tgt Ion: 63 Resp: 112089

Ion Ratio Lower Upper

63 100

106 27.3 23.0 34.6





#59

2-Hexanone

Concen: 110.568 ug/l

RT: 9.433 min Scan# 1368

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 43 Resp: 174736

Ion Ratio Lower Upper

43 100

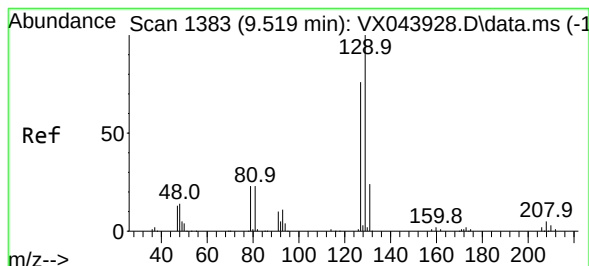
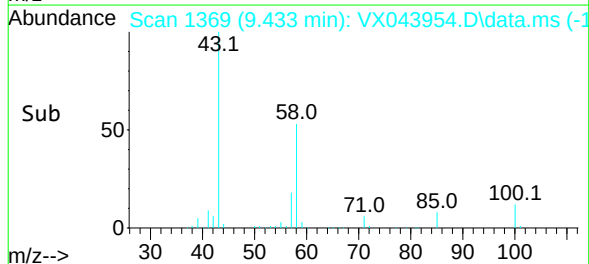
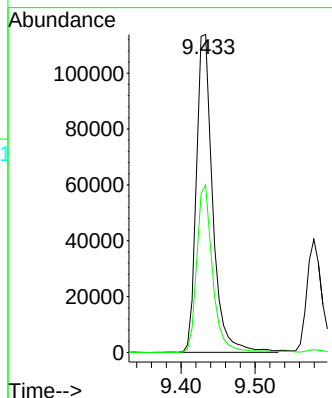
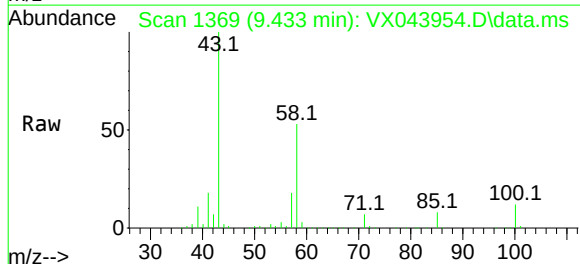
58 51.1 25.9 77.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#60

Dibromochloromethane

Concen: 19.071 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043954.D

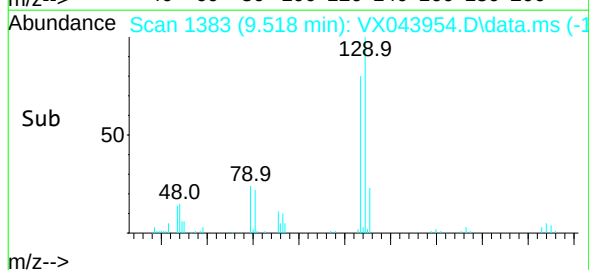
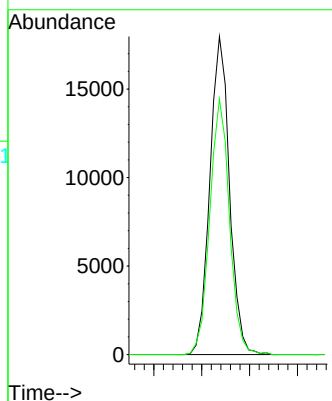
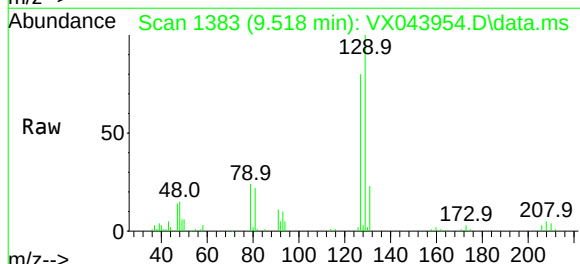
Acq: 22 Nov 2024 13:02

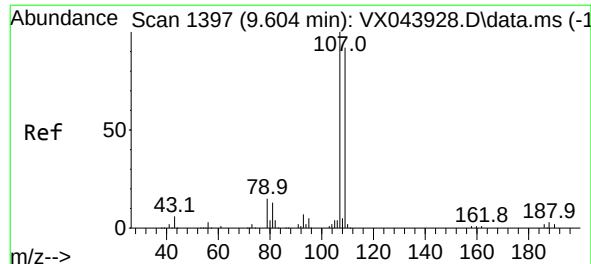
Tgt Ion:129 Resp: 25683

Ion Ratio Lower Upper

129 100

127 80.5 38.2 114.6





#61

1,2-Dibromoethane

Concen: 21.936 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:107 Resp: 29772

Ion Ratio Lower Upper

107 100

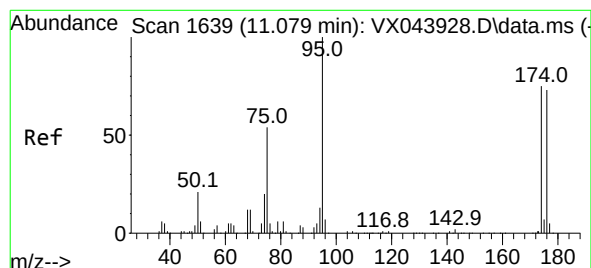
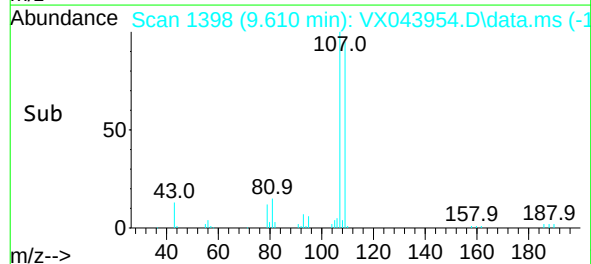
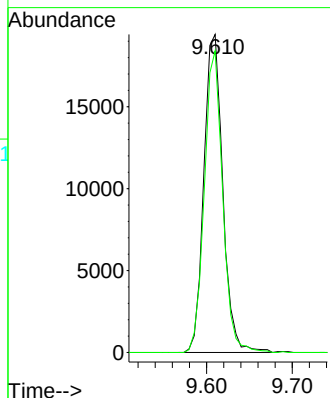
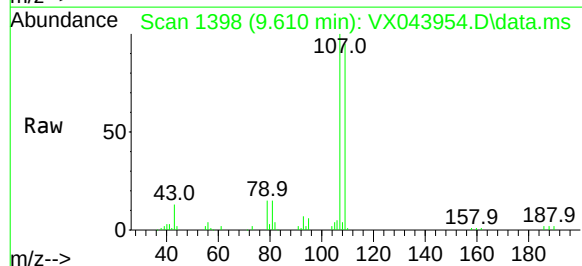
109 92.0 75.2 112.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#62

4-Bromofluorobenzene

Concen: 52.669 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

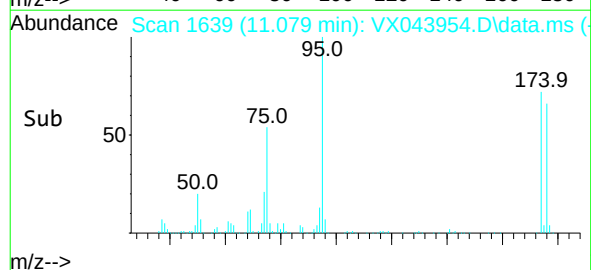
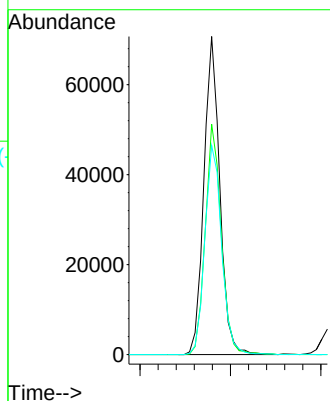
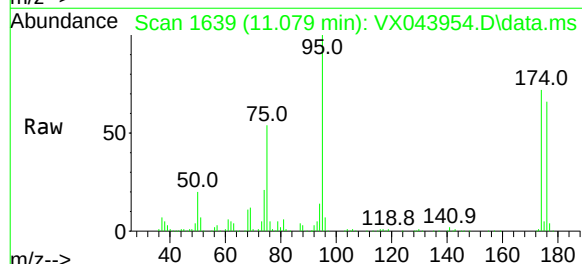
Tgt Ion: 95 Resp: 86479

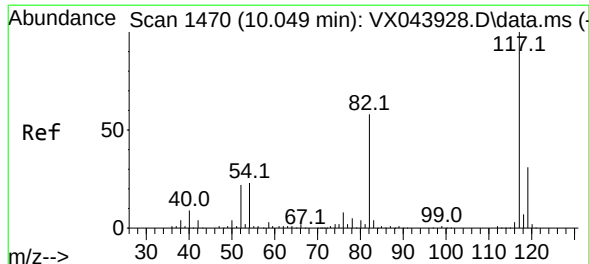
Ion Ratio Lower Upper

95 100

174 72.8 0.0 150.4

176 69.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:117 Resp: 171011

Ion Ratio Lower Upper

117 100

82 57.5 46.4 69.6

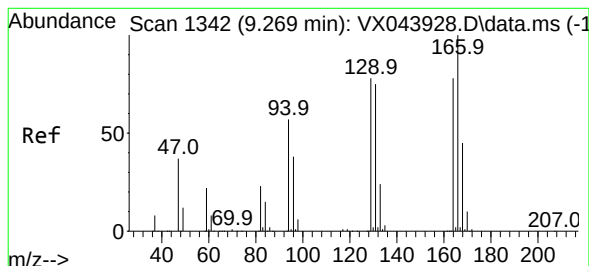
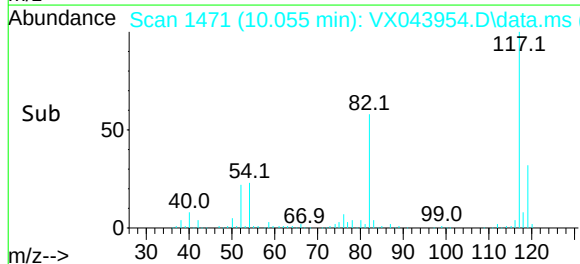
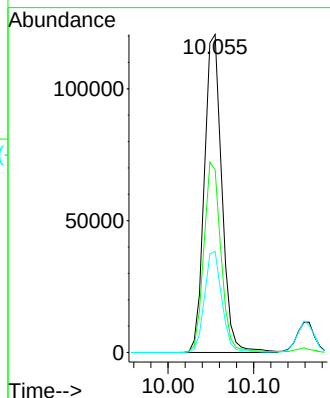
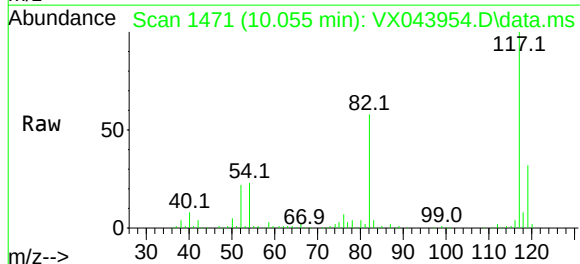
119 31.8 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#64

Tetrachloroethene

Concen: 20.722 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Tgt Ion:164 Resp: 23366

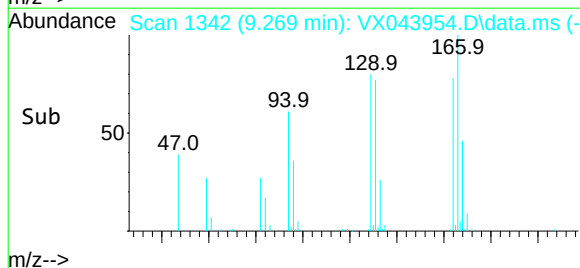
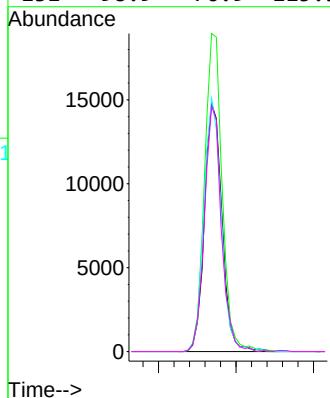
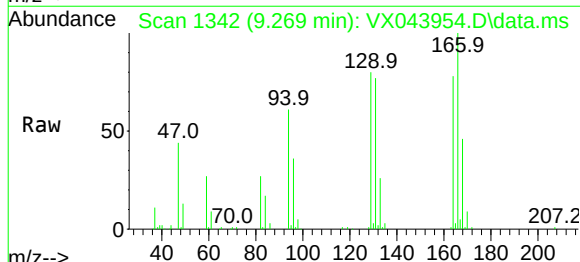
Ion Ratio Lower Upper

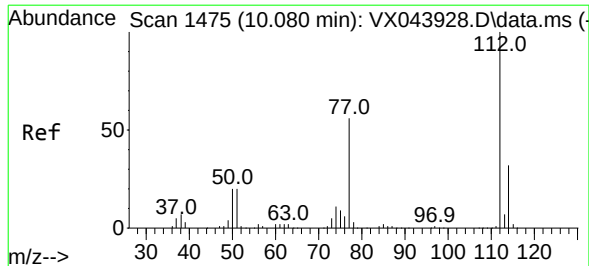
164 100

166 128.2 102.1 153.1

129 102.0 79.6 119.4

131 98.9 76.9 115.3





#65

Chlorobenzene

Concen: 19.949 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:112 Resp: 74928

Ion Ratio Lower Upper

112 100

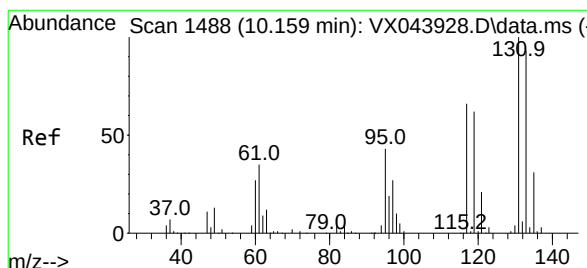
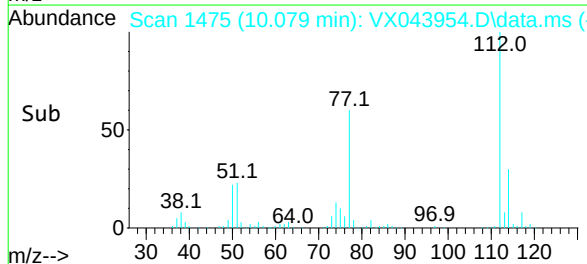
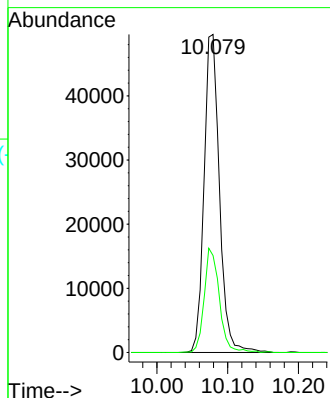
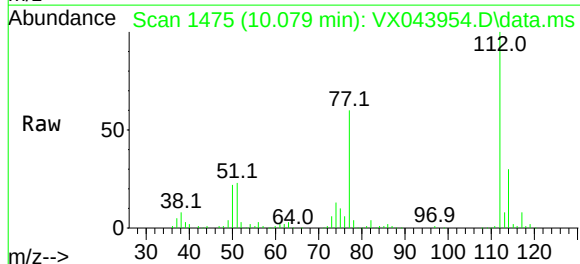
114 30.5 25.4 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#66

1,1,1,2-Tetrachloroethane

Concen: 20.143 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

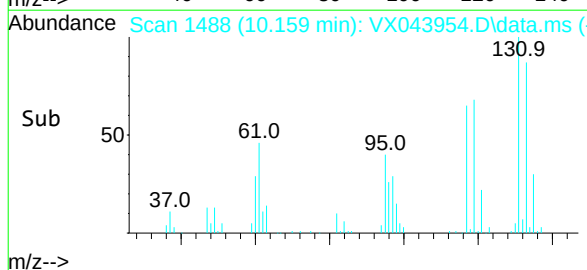
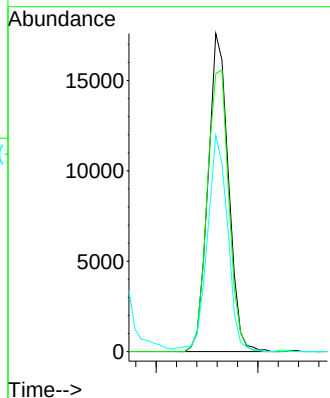
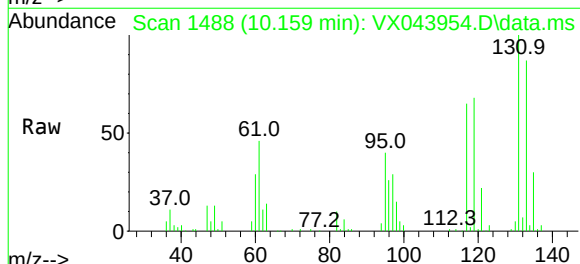
Tgt Ion:131 Resp: 24536

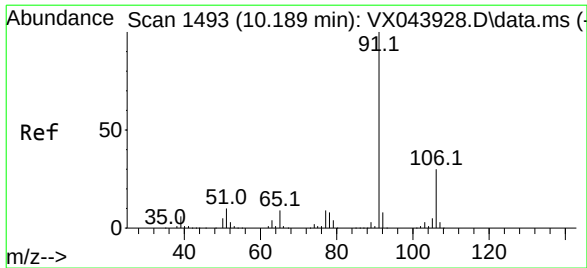
Ion Ratio Lower Upper

131 100

133 93.3 48.2 144.6

119 67.5 31.5 94.5





#67

Ethyl Benzene

Concen: 20.429 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 91 Resp: 130020

Ion Ratio Lower Upper

91 100

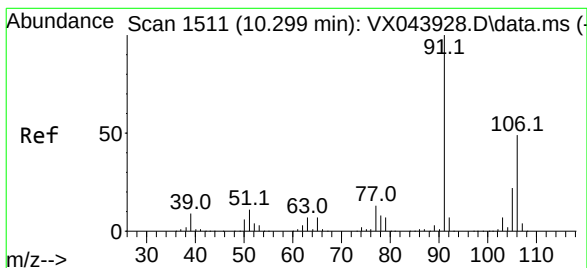
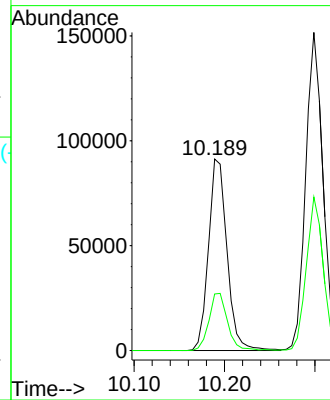
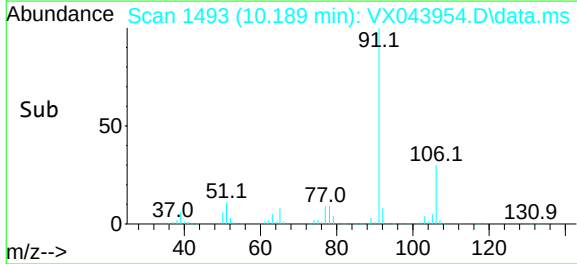
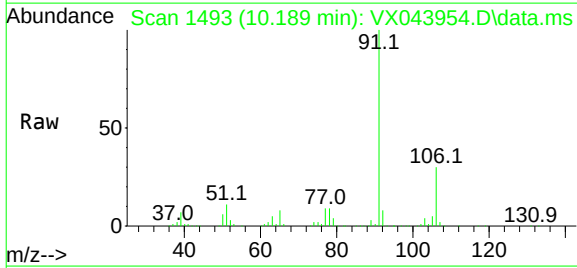
106 29.5 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#68

m/p-Xylenes

Concen: 40.881 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043954.D

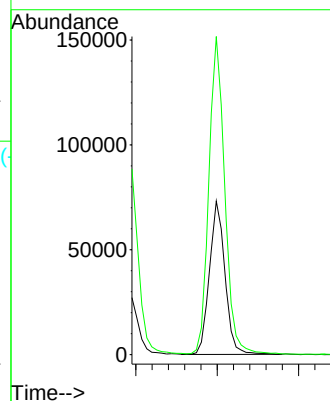
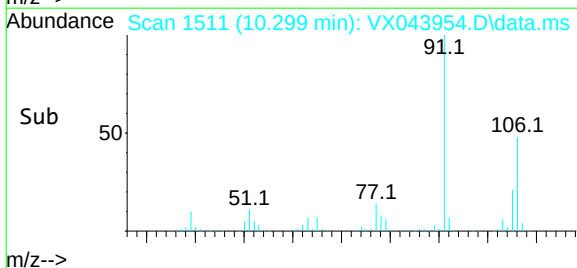
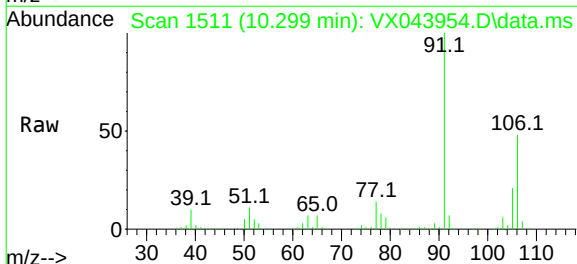
Acq: 22 Nov 2024 13:02

Tgt Ion:106 Resp: 97028

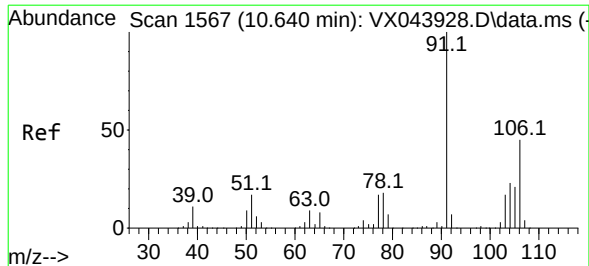
Ion Ratio Lower Upper

106 100

91 212.2 168.1 252.1







#69

o-Xylene

Concen: 20.920 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:106 Resp: 48479

Ion Ratio Lower Upper

106 100

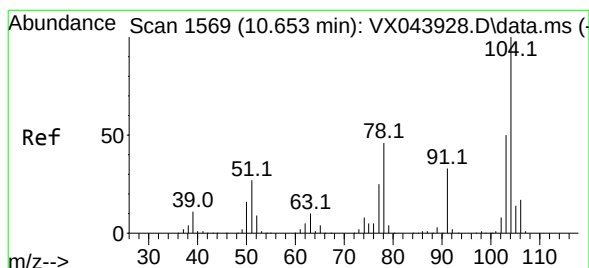
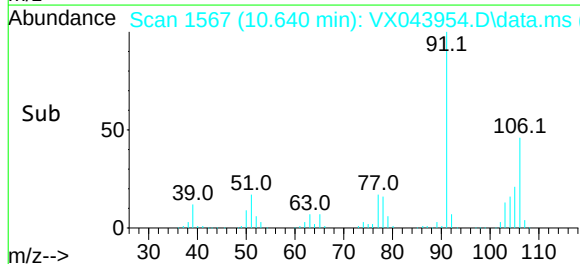
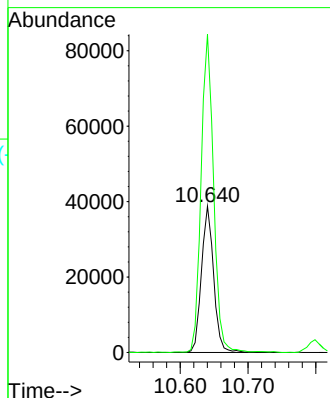
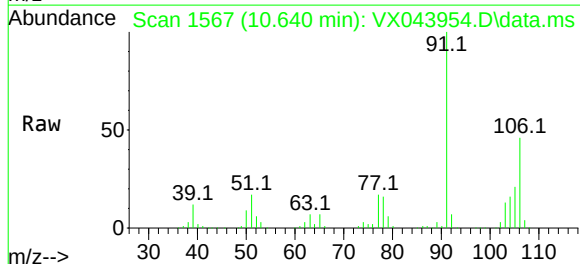
91 222.2 110.2 330.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#70

Styrene

Concen: 20.503 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

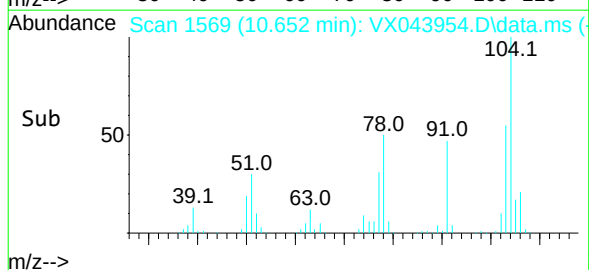
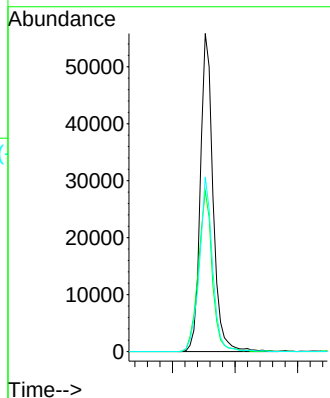
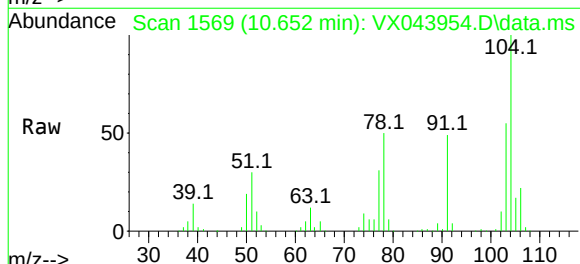
Tgt Ion:104 Resp: 78583

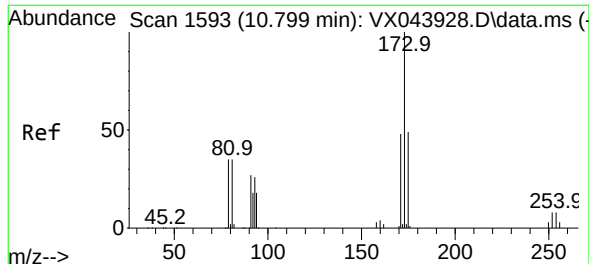
Ion Ratio Lower Upper

104 100

78 55.1 42.2 63.2

103 56.9 44.7 67.1





#71

Bromoform

Concen: 17.533 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

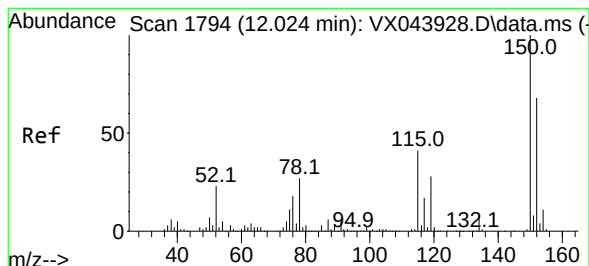
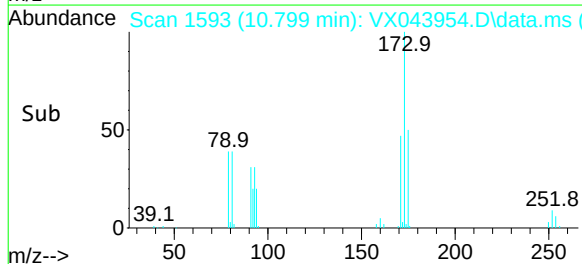
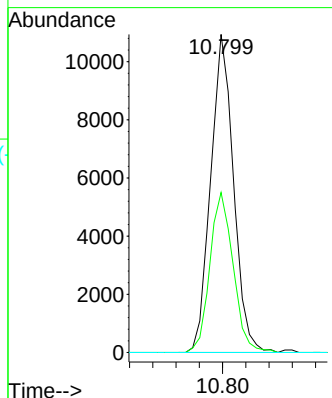
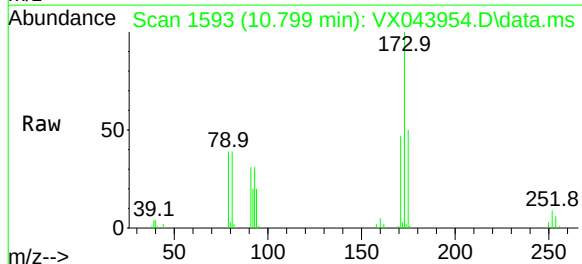
Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:173 | Resp: | 14931 |
| Ion | Ratio   | Lower | Upper |
| 173 | 100     |       |       |
| 175 | 51.2    | 24.1  | 72.2  |
| 254 | 0.0     | 0.0   | 0.0   |

**Manual Integrations**  
**APPROVED**Reviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

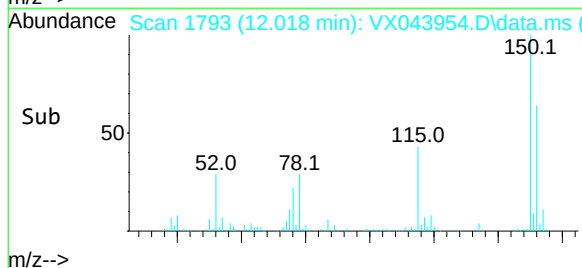
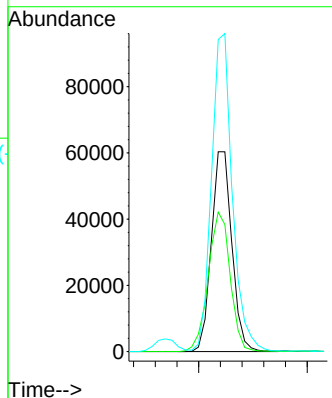
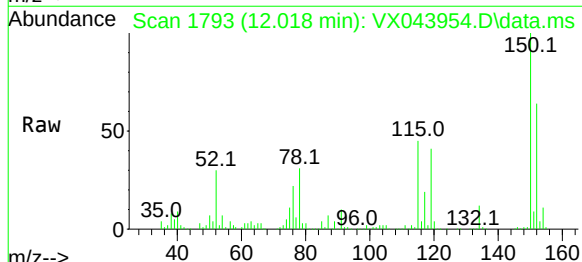
RT: 12.018 min Scan# 1793

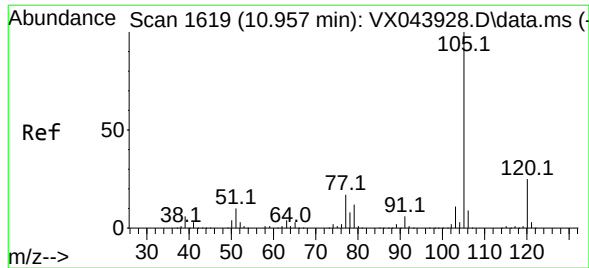
Delta R.T. -0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

|     |         |       |       |
|-----|---------|-------|-------|
| Tgt | Ion:152 | Resp: | 79397 |
| Ion | Ratio   | Lower | Upper |
| 152 | 100     |       |       |
| 115 | 74.4    | 45.4  | 136.2 |
| 150 | 161.9   | 0.0   | 353.0 |





#73

Isopropylbenzene

Concen: 20.617 ug/l

RT: 10.963 min Scan# 1619

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 105 Resp: 125832

Ion Ratio Lower Upper

105 100

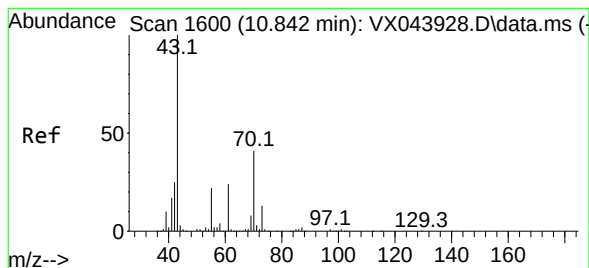
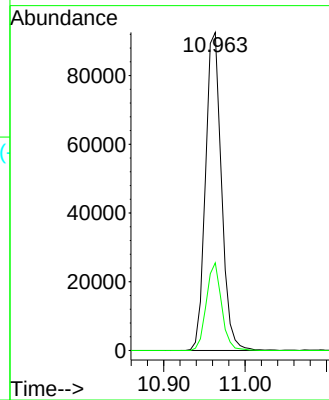
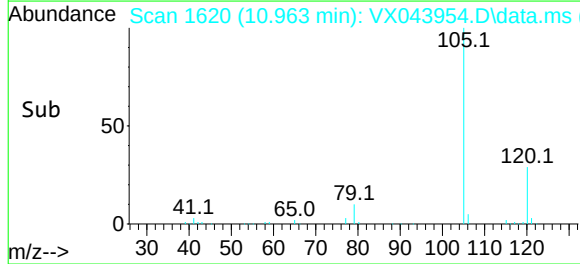
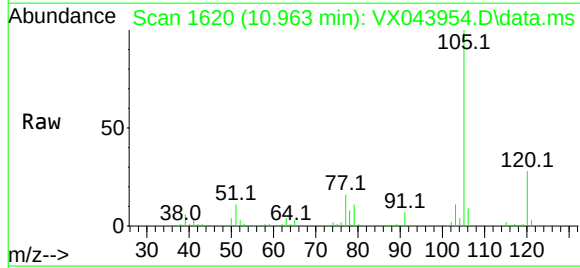
120 26.3 13.0 38.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#74

N-ethyl acetate

Concen: 20.692 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 58504

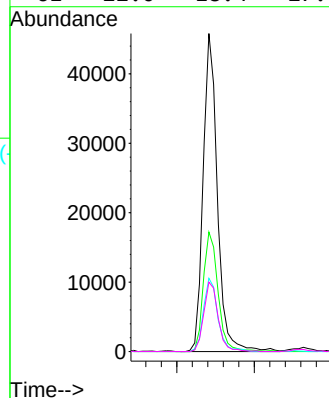
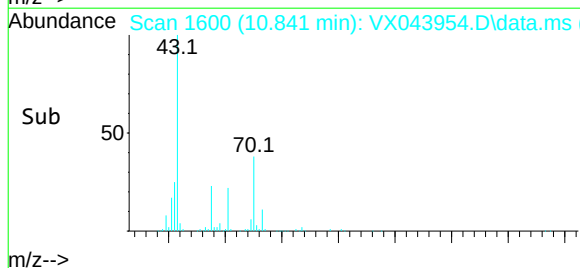
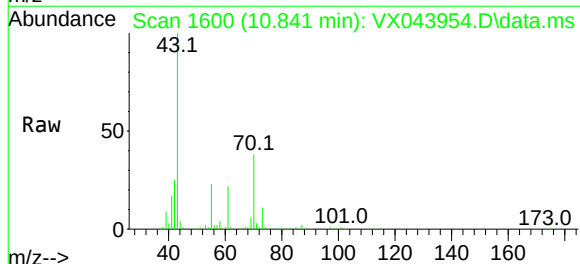
Ion Ratio Lower Upper

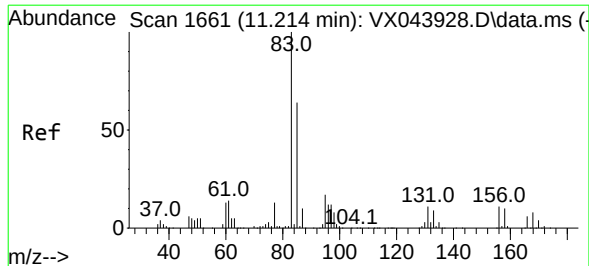
43 100

70 38.7 32.2 48.2

55 23.3 18.1 27.1

61 22.0 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 21.909 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 83 Resp: 45786

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.2

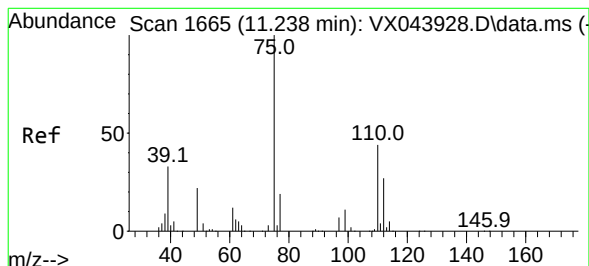
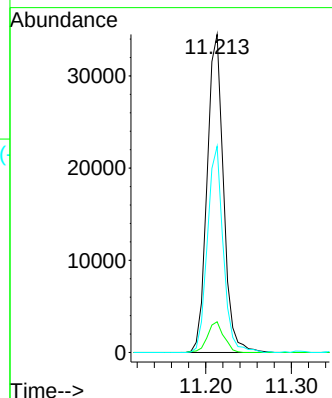
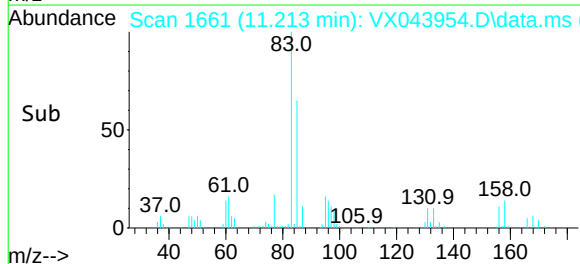
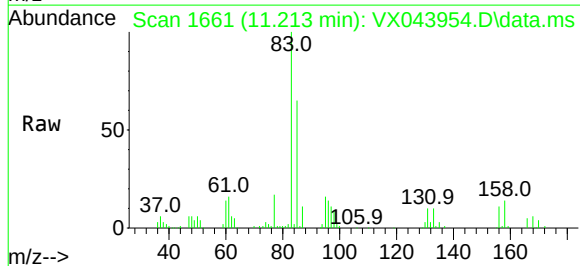
85 62.7 32.2 96.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#76

1,2,3-Trichloropropane

Concen: 21.361 ug/l m

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043954.D

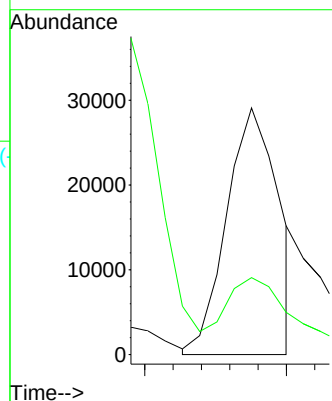
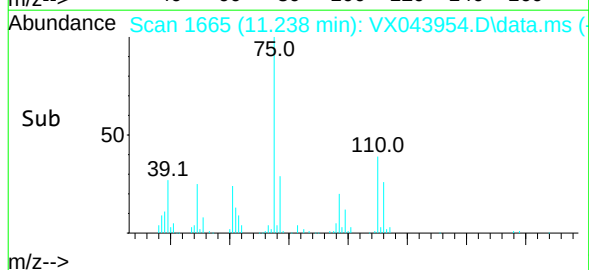
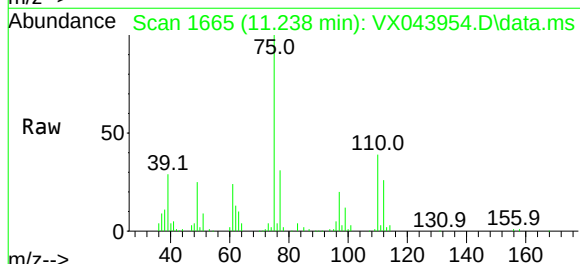
Acq: 22 Nov 2024 13:02

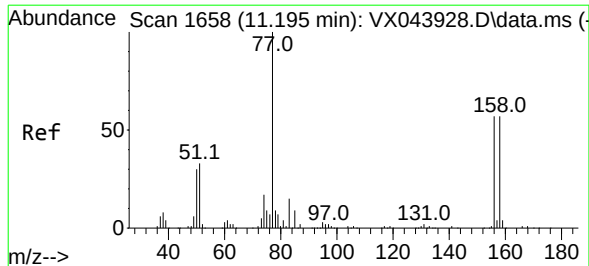
Tgt Ion: 75 Resp: 37193

Ion Ratio Lower Upper

75 100

77 41.8 21.8 65.3





#77

Bromobenzene

Concen: 20.201 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043954.D

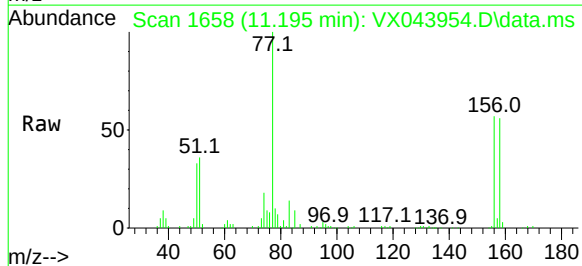
Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01



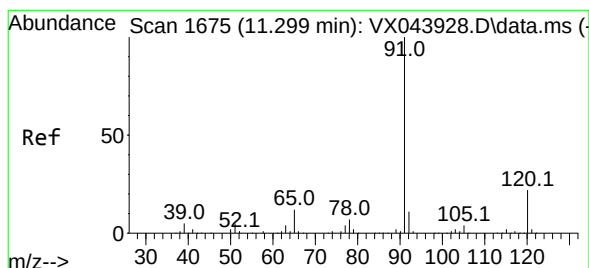
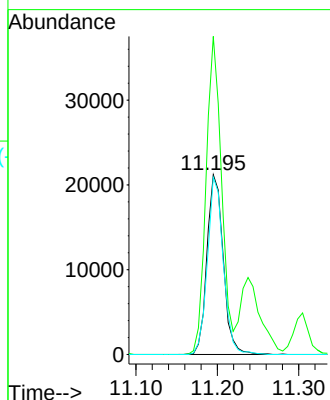
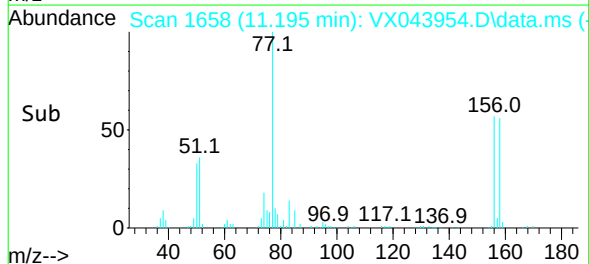
| Tgt Ion:  | 156   | Resp: | 29411 |
|-----------|-------|-------|-------|
| Ion Ratio | 100   | Lower | Upper |
| 156       | 100   |       |       |
| 77        | 168.8 | 83.4  | 250.1 |
| 158       | 96.3  | 47.6  | 142.8 |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#78

n-propylbenzene

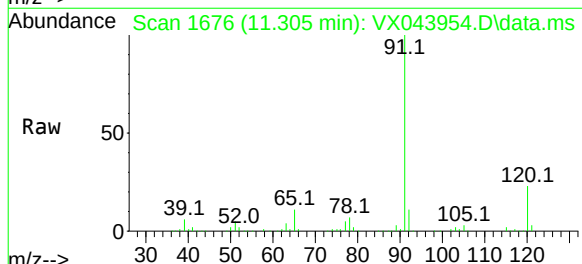
Concen: 20.700 ug/l

RT: 11.305 min Scan# 1676

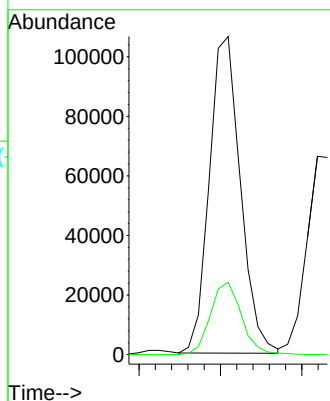
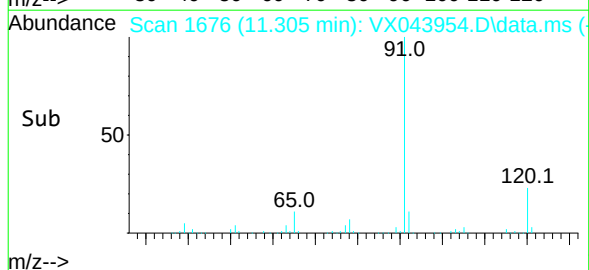
Delta R.T. 0.006 min

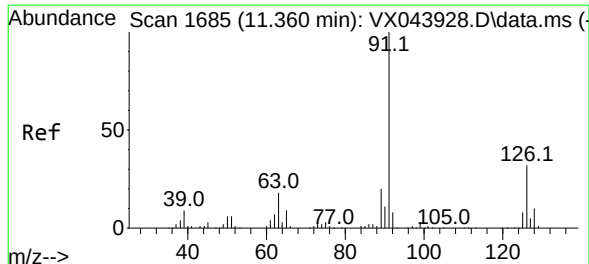
Lab File: VX043954.D

Acq: 22 Nov 2024 13:02



| Tgt Ion:  | 91   | Resp: | 141102 |
|-----------|------|-------|--------|
| Ion Ratio | 100  | Lower | Upper  |
| 91        | 100  |       |        |
| 120       | 22.9 | 11.5  | 34.4   |





#79

2-Chlorotoluene

Concen: 21.366 ug/l

RT: 11.360 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 91 Resp: 92095

Ion Ratio Lower Upper

91 100

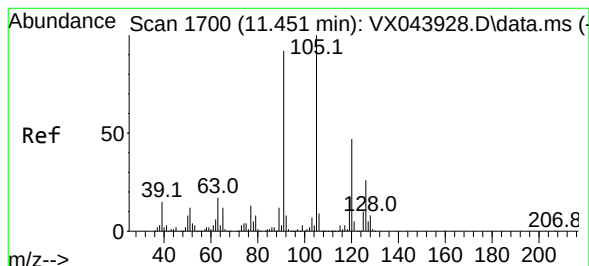
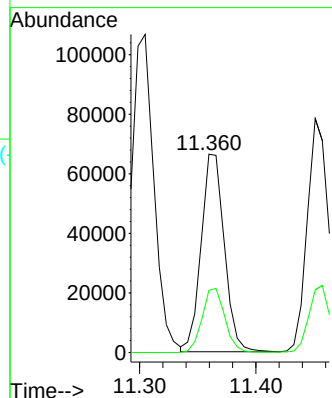
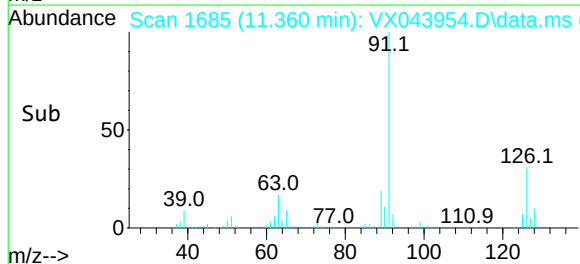
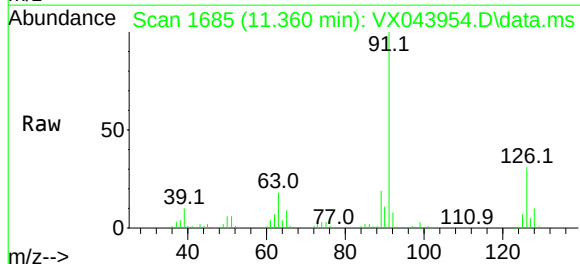
126 31.8 16.6 49.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#80

1,3,5-Trimethylbenzene

Concen: 20.914 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043954.D

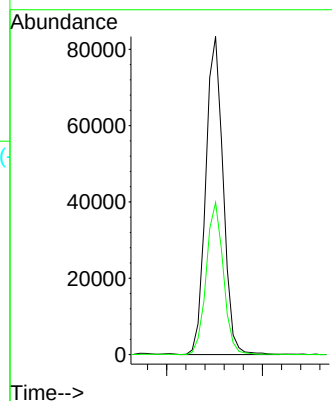
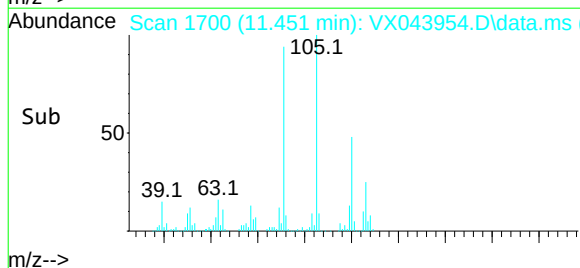
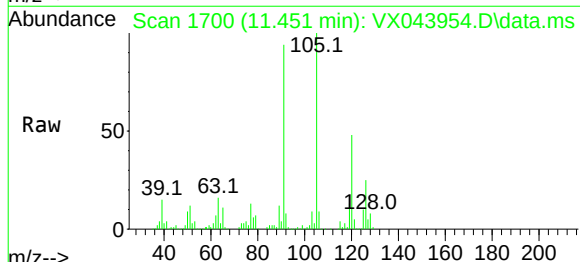
Acq: 22 Nov 2024 13:02

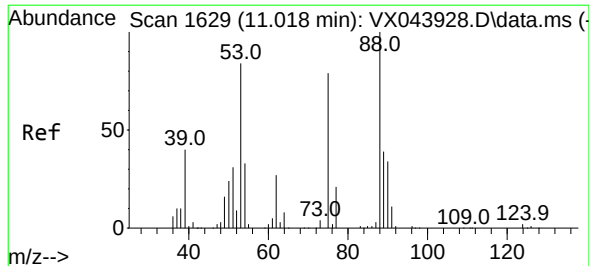
Tgt Ion:105 Resp: 105010

Ion Ratio Lower Upper

105 100

120 47.1 23.3 69.8





#81

trans-1,4-Dichloro-2-butene

Concen: 16.224 ug/l

RT: 11.018 min Scan# 1629

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 75 Resp: 10352

Ion Ratio Lower Upper

75 100

53 136.0 86.7 130.1

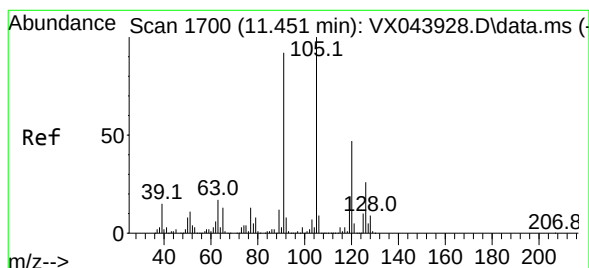
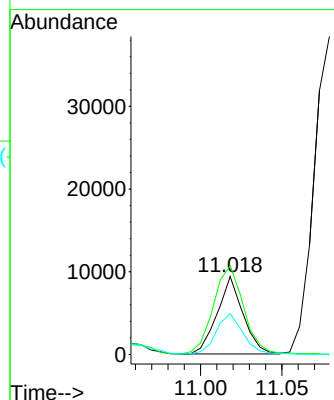
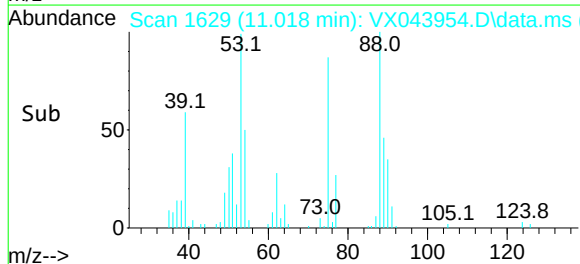
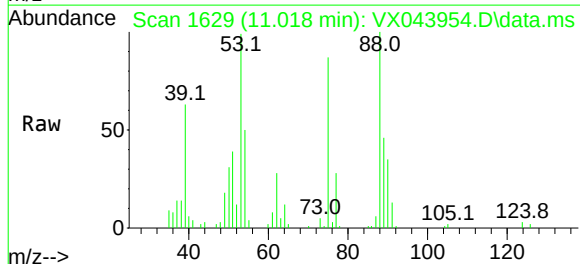
89 55.7 38.2 57.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#82

4-Chlorotoluene

Concen: 21.075 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043954.D

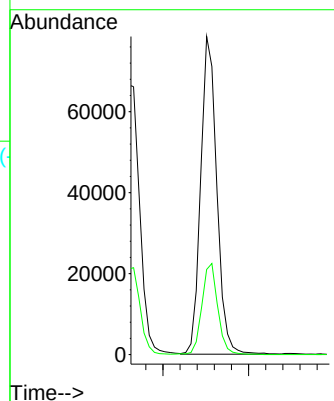
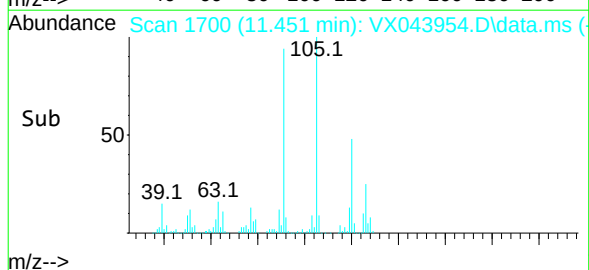
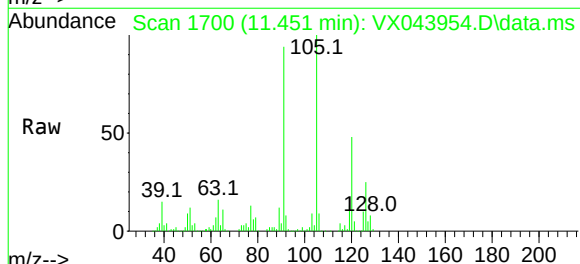
Acq: 22 Nov 2024 13:02

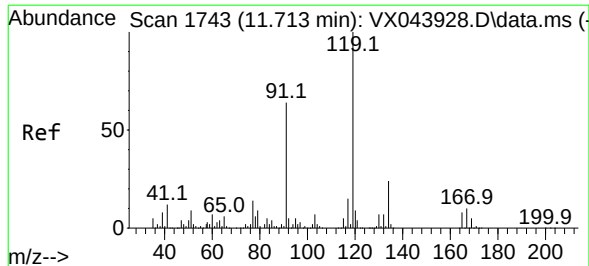
Tgt Ion: 91 Resp: 102553

Ion Ratio Lower Upper

91 100

126 28.3 14.3 42.9





#83

tert-Butylbenzene

Concen: 21.086 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:119 Resp: 104939

Ion Ratio Lower Upper

119 100

91 63.6 31.0 93.0

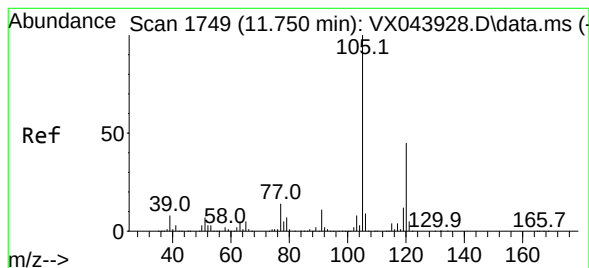
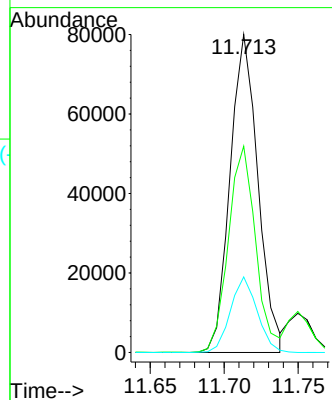
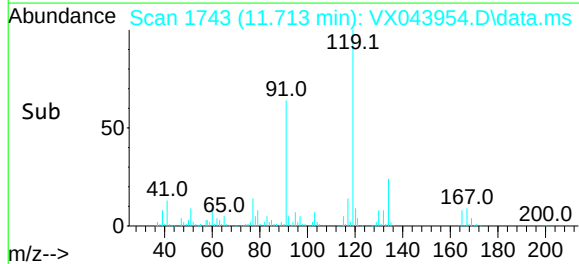
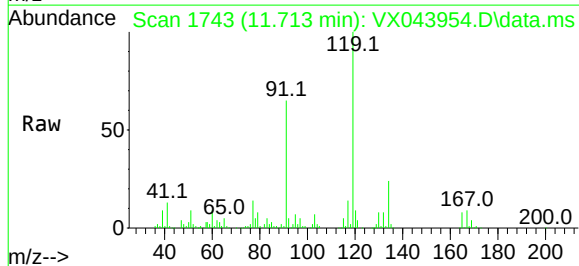
134 22.8 11.6 34.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#84

1,2,4-Trimethylbenzene

Concen: 21.541 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043954.D

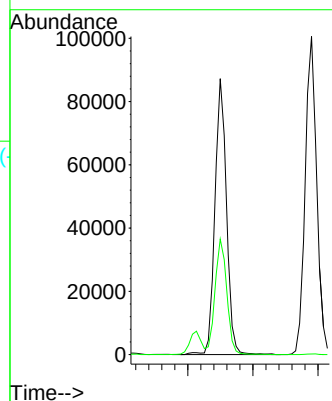
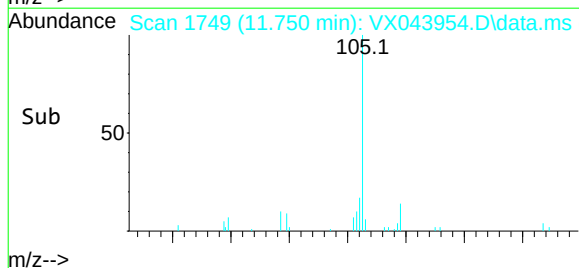
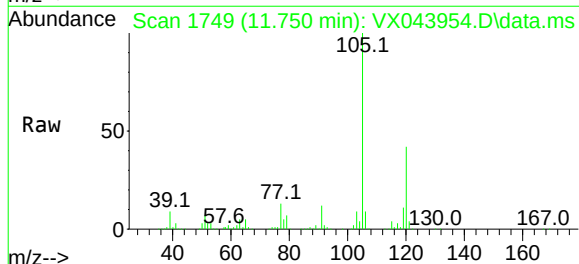
Acq: 22 Nov 2024 13:02

Tgt Ion:105 Resp: 107681

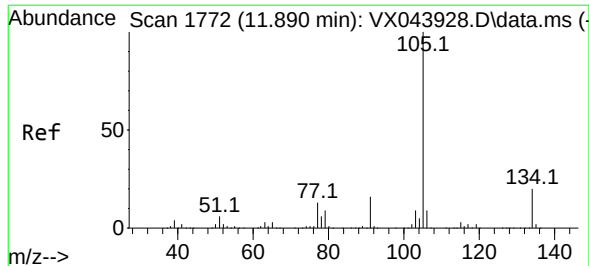
Ion Ratio Lower Upper

105 100

120 42.9 21.9 65.7







#85

sec-Butylbenzene

Concen: 20.336 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:105 Resp: 124001

Ion Ratio Lower Upper

105 100

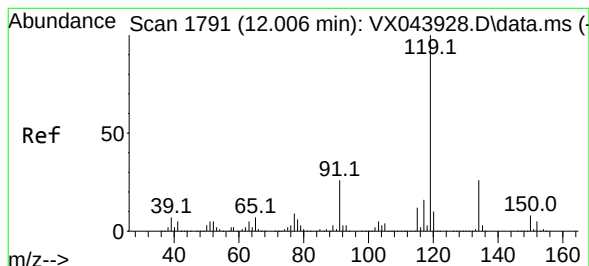
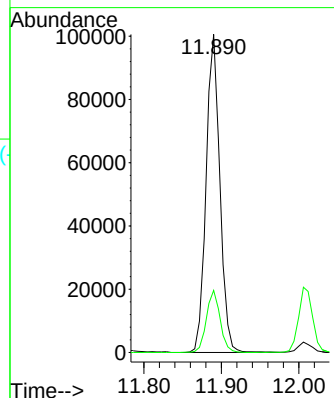
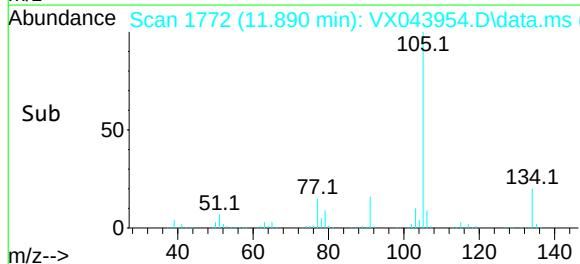
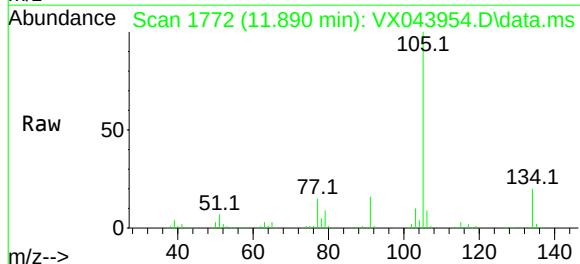
134 19.4 9.7 29.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#86

p-Isopropyltoluene

Concen: 21.303 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

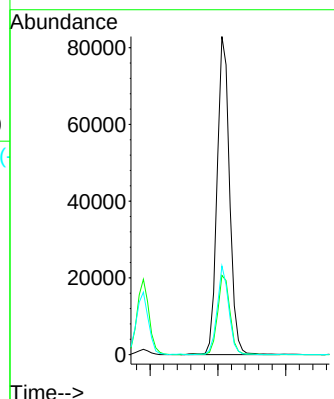
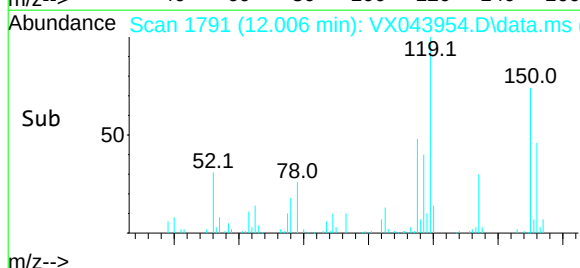
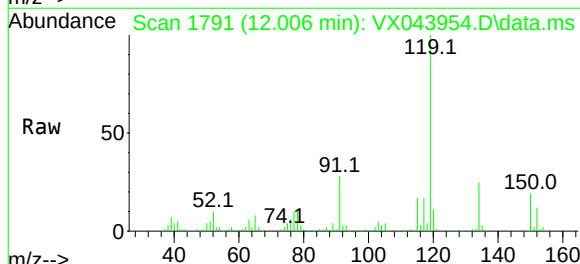
Tgt Ion:119 Resp: 105513

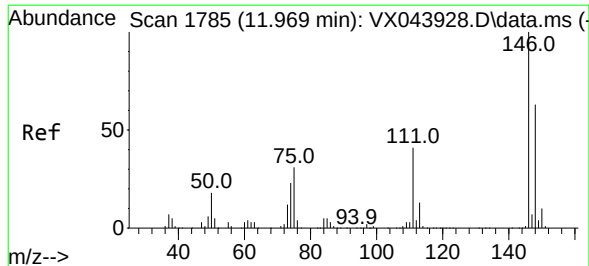
Ion Ratio Lower Upper

119 100

134 24.8 13.0 38.9

91 25.8 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 20.061 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

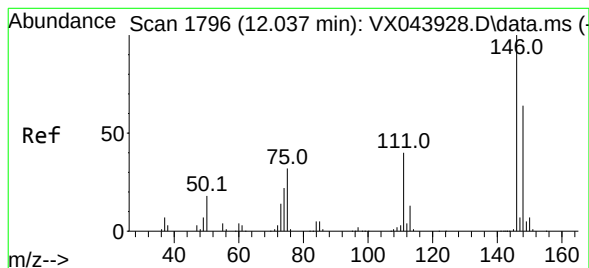
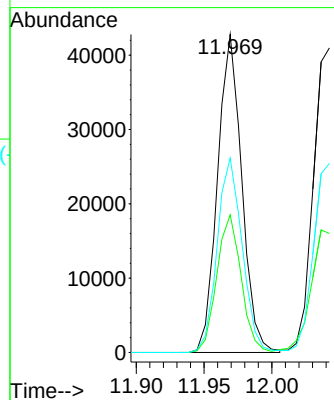
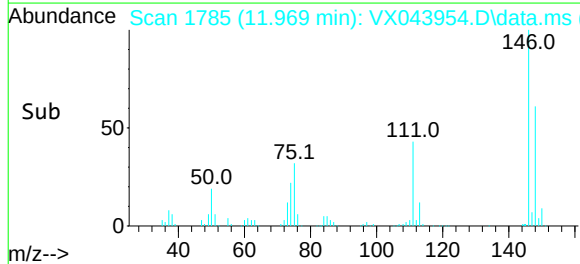
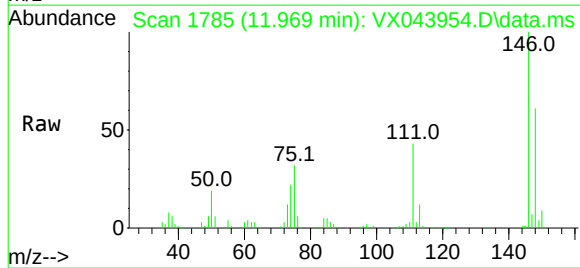
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 53195 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 43.5  | 21.1  | 63.3  |
| 148       | 63.3  | 31.7  | 95.1  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#88

1,4-Dichlorobenzene

Concen: 20.076 ug/l

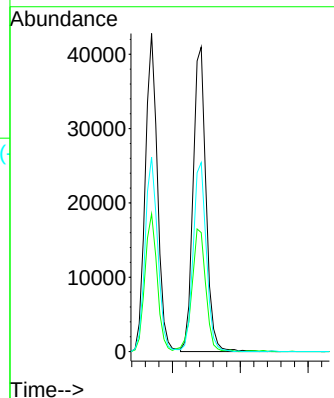
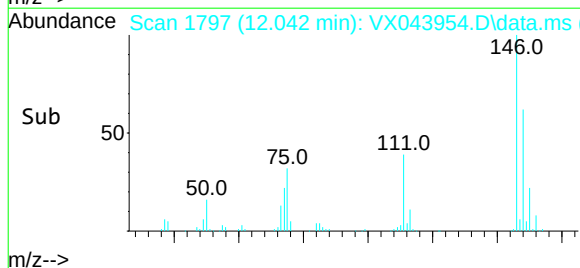
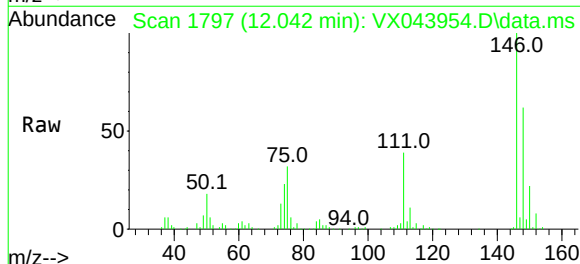
RT: 12.042 min Scan# 1797

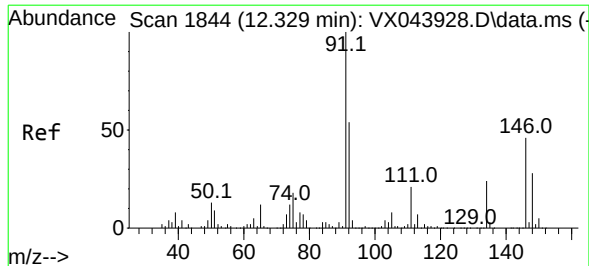
Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 54275 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 43.1  | 20.1  | 60.3  |
| 148       | 62.9  | 30.9  | 92.8  |





#89

n-Butylbenzene

Concen: 20.384 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 91 Resp: 89016

Ion Ratio Lower Upper

91 100

92 52.8 26.6 79.8

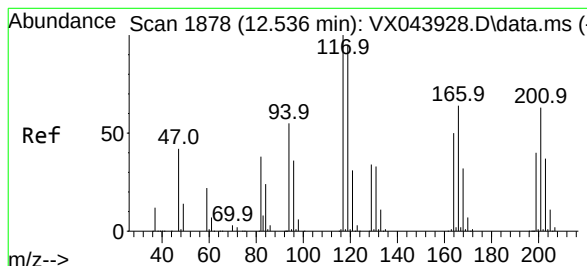
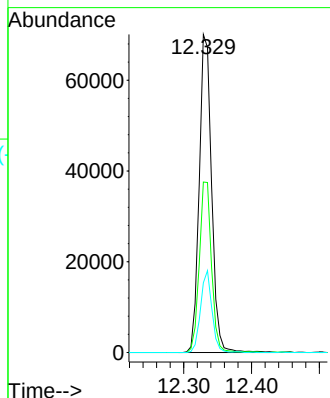
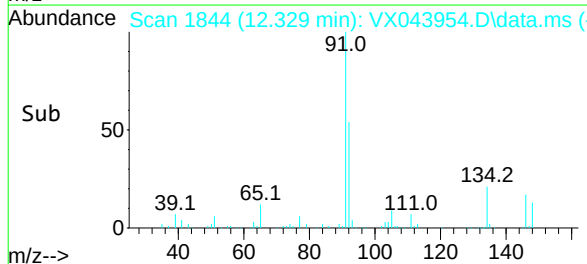
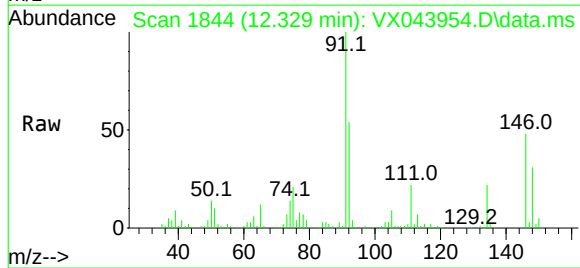
134 23.4 12.4 37.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#90

Hexachloroethane

Concen: 17.895 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043954.D

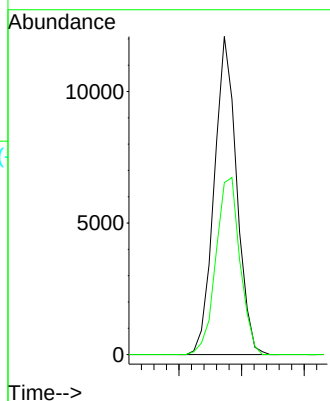
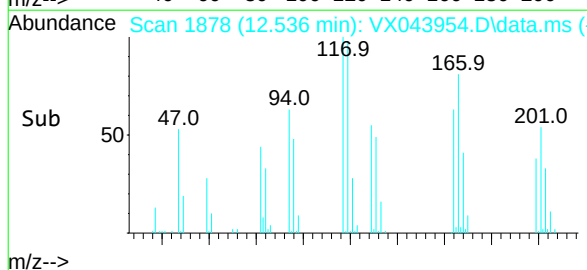
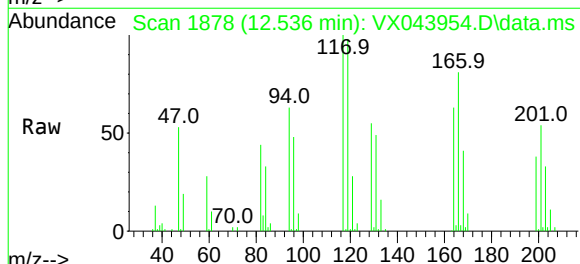
Acq: 22 Nov 2024 13:02

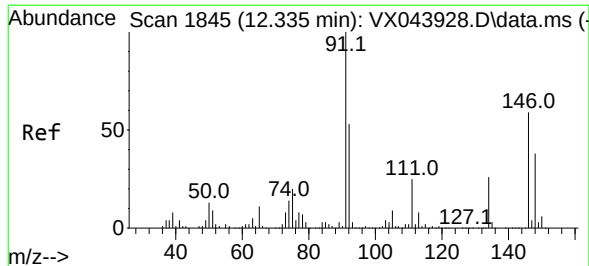
Tgt Ion:117 Resp: 15072

Ion Ratio Lower Upper

117 100

201 59.8 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 20.688 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

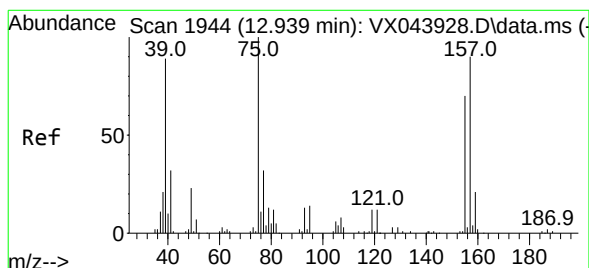
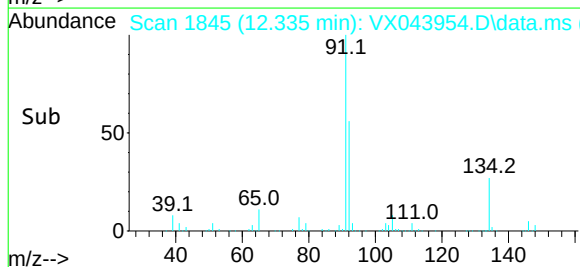
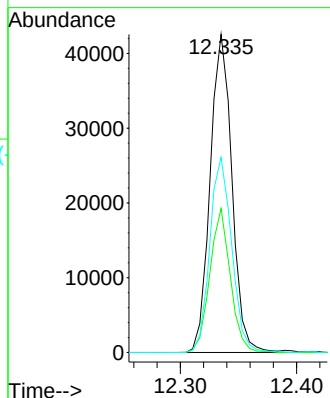
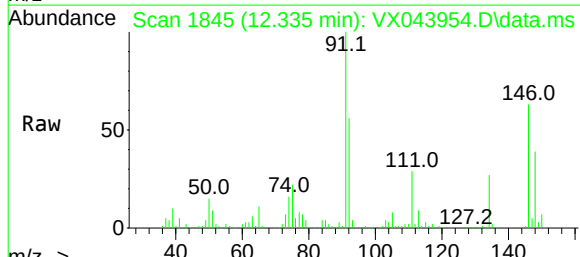
Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 146   | Resp: | 55361 |
| Ion Ratio | Lower | Upper |       |
| 146       | 100   |       |       |
| 111       | 42.8  | 21.5  | 64.5  |
| 148       | 62.1  | 31.9  | 95.5  |

Manual Integrations  
APPROVEDReviewed By :John Carlone 11/25/2024  
Supervised By :Mahesh Dadoda 11/25/2024

#92

1,2-Dibromo-3-Chloropropane

Concen: 20.036 ug/l

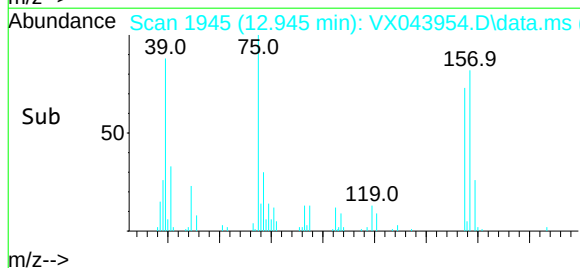
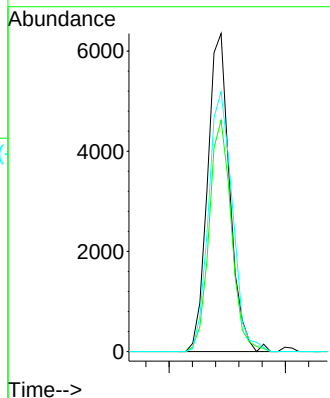
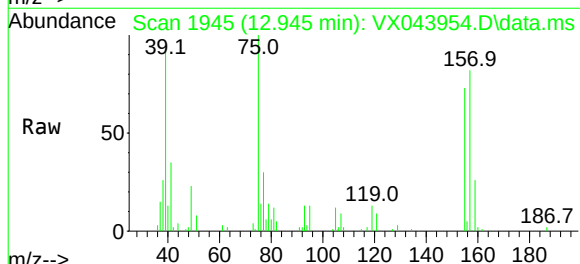
RT: 12.945 min Scan# 1945

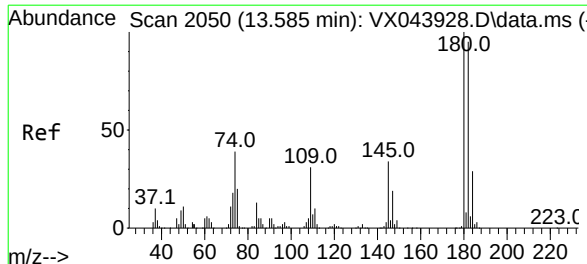
Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 8390  |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 155       | 73.0  | 40.1  | 120.2 |
| 157       | 88.1  | 49.6  | 149.0 |





#93

1,2,4-Trichlorobenzene

Concen: 18.864 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:180 Resp: 29761

Ion Ratio Lower Upper

180 100

182 96.6 48.0 144.2

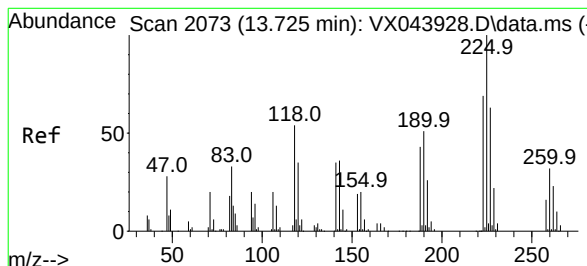
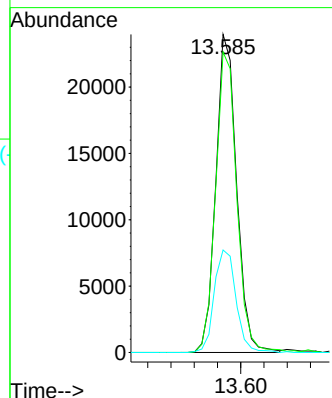
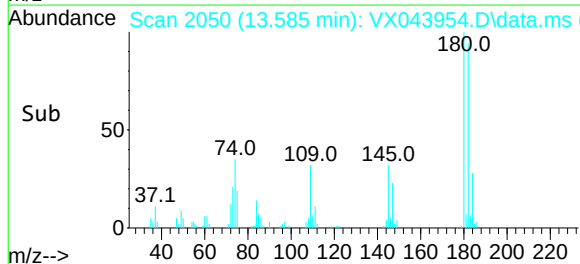
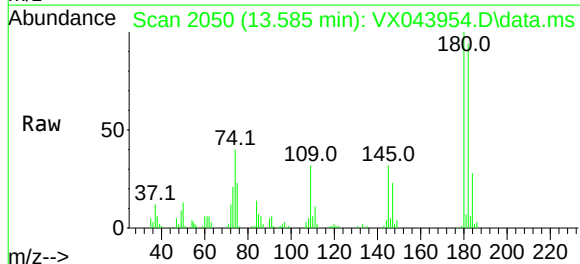
145 33.9 16.8 50.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#94

Hexachlorobutadiene

Concen: 18.958 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

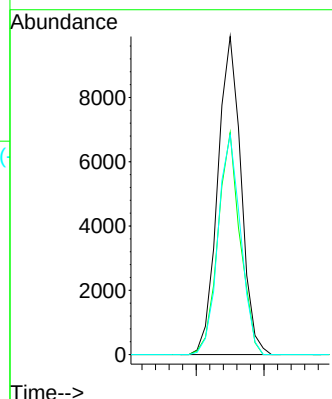
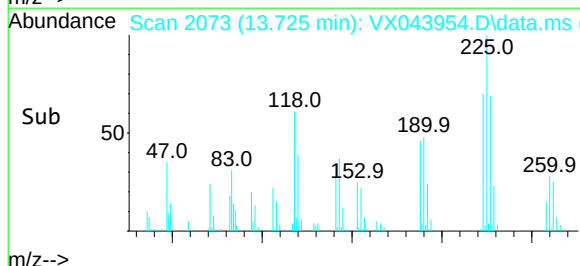
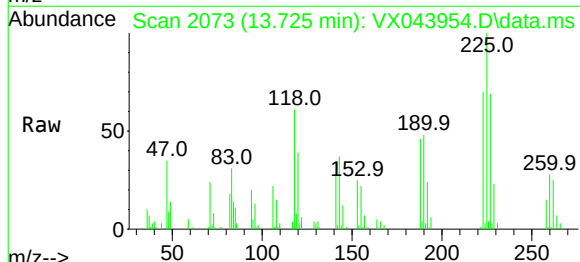
Tgt Ion:225 Resp: 11821

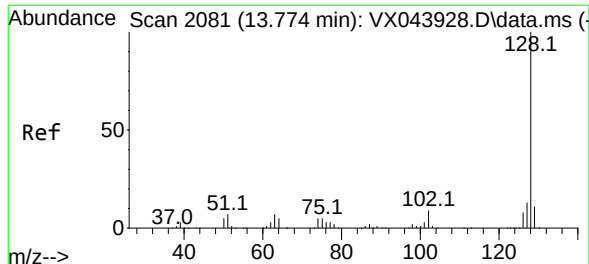
Ion Ratio Lower Upper

225 100

223 66.0 32.9 98.6

227 66.8 31.6 94.8





#95

Naphthalene

Concen: 20.640 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion:128 Resp: 117216

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.2

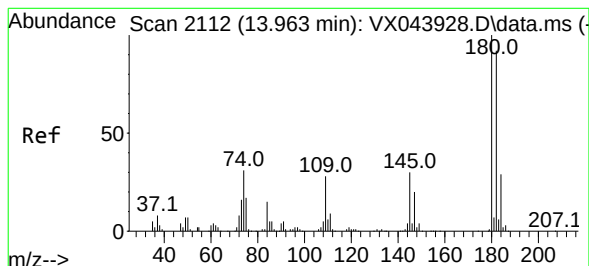
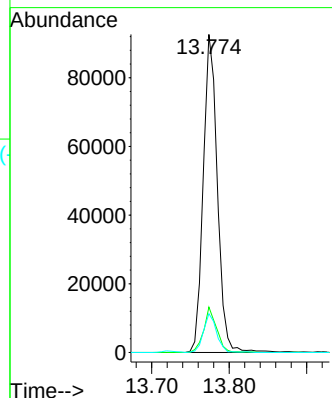
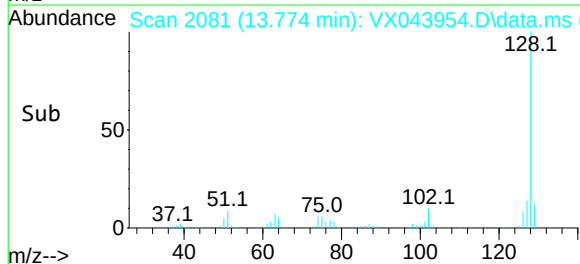
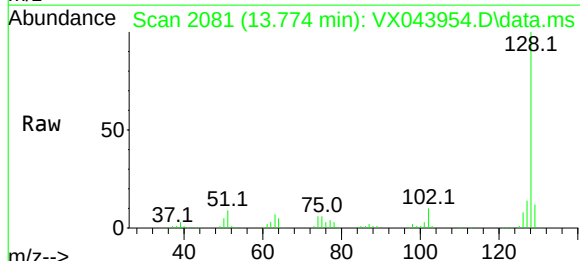
129 11.4 8.6 12.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 11/25/2024

Supervised By :Mahesh Dadoda 11/25/2024



#96

1,2,3-Trichlorobenzene

Concen: 19.151 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

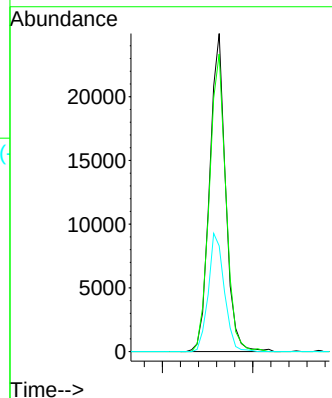
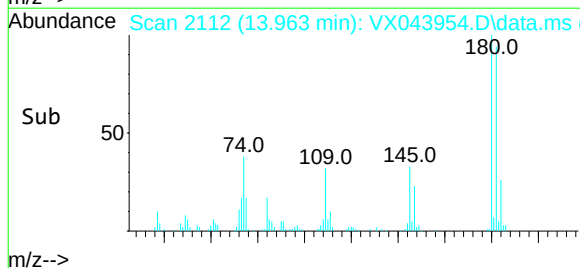
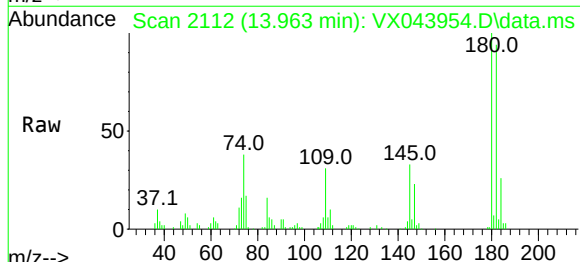
Tgt Ion:180 Resp: 30581

Ion Ratio Lower Upper

180 100

182 96.9 45.6 136.8

145 37.1 16.4 49.4



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | vx112124 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICV050 | VX043923.D | 1,2,3-Trichloropropane | JOHN      | 11/21/2024<br>9:44:34 AM | MMDadoda      | 11/22/2024<br>3:33:41 PM | Peak Integrated by Software |
| VSTDICV050 | VX043923.D | 1,4-Dioxane            | JOHN      | 11/21/2024<br>9:44:34 AM | MMDadoda      | 11/22/2024<br>3:33:41 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | 1,2,3-Trichloropropane | JOHN      | 11/22/2024<br>9:57:01 AM | MMDadoda      | 11/22/2024<br>3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | 1,4-Dichlorobenzene    | JOHN      | 11/22/2024<br>9:57:01 AM | MMDadoda      | 11/22/2024<br>3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Bromochloromethane     | JOHN      | 11/22/2024<br>9:57:01 AM | MMDadoda      | 11/22/2024<br>3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Ethyl Acetate          | JOHN      | 11/22/2024<br>9:57:01 AM | MMDadoda      | 11/22/2024<br>3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Methacrylonitrile      | JOHN      | 11/22/2024<br>9:57:01 AM | MMDadoda      | 11/22/2024<br>3:33:43 PM | Peak Integrated by Software |
| VSTDICC001 | VX043925.D | Methyl methacrylate    | JOHN      | 11/22/2024<br>9:57:01 AM | MMDadoda      | 11/22/2024<br>3:33:43 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | 1,2,3-Trichloropropane | JOHN      | 11/22/2024<br>9:57:07 AM | MMDadoda      | 11/22/2024<br>3:33:44 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | 1,4-Dioxane            | JOHN      | 11/22/2024<br>9:57:07 AM | MMDadoda      | 11/22/2024<br>3:33:44 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | Ethyl Acetate          | JOHN      | 11/22/2024<br>9:57:07 AM | MMDadoda      | 11/22/2024<br>3:33:44 PM | Peak Integrated by Software |
| VSTDICC005 | VX043926.D | Tert butyl alcohol     | JOHN      | 11/22/2024<br>9:57:07 AM | MMDadoda      | 11/22/2024<br>3:33:44 PM | Peak Integrated by Software |
| VSTDICC020 | VX043927.D | 1,2,3-Trichloropropane | JOHN      | 11/22/2024<br>9:57:12 AM | MMDadoda      | 11/22/2024<br>3:33:46 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

vx112124

Instrument

MSVOA\_x

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC020  | VX043927.D | 1,4-Dioxane            | JOHN      | 11/22/2024<br>9:57:12 AM | MMDadoda      | 11/22/2024<br>3:33:46 PM | Peak Integrated by Software |
| VSTDICCC050 | VX043928.D | 1,2,3-Trichloropropane | JOHN      | 11/22/2024<br>9:57:17 AM | MMDadoda      | 11/22/2024<br>3:33:47 PM | Peak Integrated by Software |
| VSTDICCC050 | VX043928.D | 1,4-Dioxane            | JOHN      | 11/22/2024<br>9:57:17 AM | MMDadoda      | 11/22/2024<br>3:33:47 PM | Peak Integrated by Software |
| VSTDICC100  | VX043929.D | 1,2,3-Trichloropropane | JOHN      | 11/22/2024<br>9:57:21 AM | MMDadoda      | 11/22/2024<br>3:33:49 PM | Peak Integrated by Software |
| VSTDICC100  | VX043929.D | 1,4-Dioxane            | JOHN      | 11/22/2024<br>9:57:21 AM | MMDadoda      | 11/22/2024<br>3:33:49 PM | Peak Integrated by Software |
| VSTDICC150  | VX043930.D | 1,2,3-Trichloropropane | JOHN      | 11/22/2024<br>9:57:26 AM | MMDadoda      | 11/22/2024<br>3:33:50 PM | Peak Integrated by Software |
| VSTDICV050  | VX043932.D | 1,2,3-Trichloropropane | JOHN      | 11/22/2024<br>9:57:30 AM | MMDadoda      | 11/22/2024<br>3:33:52 PM | Peak Integrated by Software |



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX112224 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDCCC050       | VX043950.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2024<br>9:48:19 AM | MMDadoda      | 11/25/2024<br>2:02:34 PM | Peak Integrated by Software |
| VX1122WBS01      | VX043953.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2024<br>9:48:23 AM | MMDadoda      | 11/25/2024<br>2:02:33 PM | Peak Integrated by Software |
| VX1122WBSD0<br>1 | VX043954.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2024<br>9:48:27 AM | MMDadoda      | 11/25/2024<br>2:02:35 PM | Peak Integrated by Software |
| VSTDCCC050       | VX043975.D | 1,2,3-Trichloropropane | JOHN      | 11/25/2024<br>9:48:49 AM | MMDadoda      | 11/25/2024<br>2:02:40 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VX112524

Instrument

MSVOA\_x

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDCCC050  | VX043977.D | 1,2,3-Trichloropropane | MMDadoda  | 11/26/2024<br>9:44:34 AM | SAM           | 11/26/2024<br>9:46:59 AM | Peak Integrated by Software |
| VX1125WBS01 | VX043980.D | 1,2,3-Trichloropropane | MMDadoda  | 11/26/2024<br>9:44:35 AM | SAM           | 11/26/2024<br>9:46:59 AM | Peak Integrated by Software |
| VSTDCCC050  | VX044002.D | 1,2,3-Trichloropropane | MMDadoda  | 11/26/2024<br>9:44:41 AM | SAM           | 11/26/2024<br>9:47:04 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX112624 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDCCC050  | VX044004.D | 1,2,3-Trichloropropane | SAM       | 11/27/2024<br>7:39:07 AM | MMDadoda      | 11/27/2024<br>7:40:29 AM | Peak Integrated by Software |
| VX1126WBS01 | VX044007.D | 1,2,3-Trichloropropane | SAM       | 11/27/2024<br>7:39:08 AM | MMDadoda      | 11/27/2024<br>7:40:31 AM | Peak Integrated by Software |
| VSTDCCC050  | VX044022.D | 1,2,3-Trichloropropane | SAM       | 11/27/2024<br>7:39:12 AM | MMDadoda      | 11/27/2024<br>7:40:34 AM | Peak Integrated by Software |
| VSTDCCC050  | VX044022.D | 1,4-Dioxane            | SAM       | 11/27/2024<br>7:39:12 AM | MMDadoda      | 11/27/2024<br>7:40:34 AM | Peak Integrated by Software |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112124**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 11/21/2024 9:44:50 AM             |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 11/22/2024 3:34:00 PM             |
| SubDirectory             | VX112124                                              | HP Acquire Method | HP Processing Method 82X112124W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP131686,VP131690                                     |                   |                                   |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |                   |                                   |
| CCC                      | VP131691                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP131722                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId    | Data File Name | Date-Time         | Operator | Status |
|-----|-------------|----------------|-------------------|----------|--------|
| 1   | BFB         | VX043915.D     | 20 Nov 2024 15:43 | JC/MD    | Ok     |
| 2   | VSTDIC001   | VX043916.D     | 20 Nov 2024 16:11 | JC/MD    | Not Ok |
| 3   | VSTDIC005   | VX043917.D     | 20 Nov 2024 16:57 | JC/MD    | Not Ok |
| 4   | VSTDIC020   | VX043918.D     | 20 Nov 2024 17:20 | JC/MD    | Not Ok |
| 5   | VSTDIC050   | VX043919.D     | 20 Nov 2024 17:43 | JC/MD    | Not OK |
| 6   | VSTDIC100   | VX043920.D     | 20 Nov 2024 18:06 | JC/MD    | Not Ok |
| 7   | VSTDIC150   | VX043921.D     | 20 Nov 2024 18:30 | JC/MD    | Not Ok |
| 8   | IBLK        | VX043922.D     | 20 Nov 2024 18:53 | JC/MD    | Not Ok |
| 9   | VSTDICV050  | VX043923.D     | 20 Nov 2024 19:16 | JC/MD    | Not Ok |
| 10  | BFB         | VX043924.D     | 21 Nov 2024 08:51 | JC/MD    | Ok     |
| 11  | VSTDIC001   | VX043925.D     | 21 Nov 2024 09:47 | JC/MD    | Ok,M   |
| 12  | VSTDIC005   | VX043926.D     | 21 Nov 2024 10:14 | JC/MD    | Ok,M   |
| 13  | VSTDIC020   | VX043927.D     | 21 Nov 2024 10:37 | JC/MD    | Ok,M   |
| 14  | VSTDIC050   | VX043928.D     | 21 Nov 2024 11:17 | JC/MD    | Ok,M   |
| 15  | VSTDIC100   | VX043929.D     | 21 Nov 2024 11:40 | JC/MD    | Ok,M   |
| 16  | VSTDIC150   | VX043930.D     | 21 Nov 2024 12:03 | JC/MD    | Ok,M   |
| 17  | IBLK        | VX043931.D     | 21 Nov 2024 12:27 | JC/MD    | Ok     |
| 18  | VSTDICV050  | VX043932.D     | 21 Nov 2024 13:57 | JC/MD    | Ok,M   |
| 19  | VX1121MBL01 | VX043933.D     | 21 Nov 2024 14:27 | JC/MD    | Ok     |
| 20  | VX1121WBL01 | VX043934.D     | 21 Nov 2024 14:50 | JC/MD    | Ok     |
| 21  | VX1121WBS01 | VX043935.D     | 21 Nov 2024 15:13 | JC/MD    | Ok,M   |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112124**

| Review By                | John Carlone                                          | Review On         | 11/21/2024 9:44:50 AM             |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 11/22/2024 3:34:00 PM             |
| SubDirectory             | VX112124                                              | HP Acquire Method | HP Processing Method 82X112124W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP131686,VP131690                                     |                   |                                   |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |                   |                                   |
| CCC                      | VP131691                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP131722                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |              |            |                   |       |       |
|----|--------------|------------|-------------------|-------|-------|
| 22 | VX1121WBSD01 | VX043936.D | 21 Nov 2024 15:40 | JC/MD | Ok,M  |
| 23 | P4921-01     | VX043937.D | 21 Nov 2024 16:03 | JC/MD | Ok    |
| 24 | P4934-01     | VX043938.D | 21 Nov 2024 16:27 | JC/MD | Ok    |
| 25 | P4934-09     | VX043939.D | 21 Nov 2024 16:50 | JC/MD | Ok    |
| 26 | P4934-11     | VX043940.D | 21 Nov 2024 17:13 | JC/MD | Ok    |
| 27 | P4934-02     | VX043941.D | 21 Nov 2024 17:36 | JC/MD | Ok    |
| 28 | P4934-03     | VX043942.D | 21 Nov 2024 17:59 | JC/MD | Ok    |
| 29 | P4934-08     | VX043943.D | 21 Nov 2024 18:23 | JC/MD | Ok    |
| 30 | P4934-10     | VX043944.D | 21 Nov 2024 18:46 | JC/MD | Ok    |
| 31 | P4934-04     | VX043945.D | 21 Nov 2024 19:09 | JC/MD | Ok    |
| 32 | P4934-12     | VX043946.D | 21 Nov 2024 19:32 | JC/MD | Ok    |
| 33 | P4934-05     | VX043947.D | 21 Nov 2024 19:55 | JC/MD | Ok    |
| 34 | VSTDCCC050   | VX043948.D | 21 Nov 2024 20:18 | JC/MD | Ok,NR |

M : Manual Integration

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112224**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 11/25/2024 9:54:33 AM             |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 11/25/2024 2:02:46 PM             |
| SubDirectory                                                                                       | VX112224          | HP Acquire Method | HP Processing Method 82X112124W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131748          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131749,VP131750 |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX043949.D     | 22 Nov 2024 10:54 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX043950.D     | 22 Nov 2024 11:22 | JC/MD    | Ok,M     |
| 3   | VX1122MBL01  | VX043951.D     | 22 Nov 2024 11:50 | JC/MD    | Ok       |
| 4   | VX1122WBL01  | VX043952.D     | 22 Nov 2024 12:13 | JC/MD    | Ok       |
| 5   | VX1122WBS01  | VX043953.D     | 22 Nov 2024 12:36 | JC/MD    | Ok,M     |
| 6   | VX1122WBSD01 | VX043954.D     | 22 Nov 2024 13:02 | JC/MD    | Ok,M     |
| 7   | P4947-01     | VX043955.D     | 22 Nov 2024 13:25 | JC/MD    | Ok       |
| 8   | P4846-09     | VX043956.D     | 22 Nov 2024 13:48 | JC/MD    | Ok       |
| 9   | P4846-10     | VX043957.D     | 22 Nov 2024 14:11 | JC/MD    | Ok       |
| 10  | P4846-01     | VX043958.D     | 22 Nov 2024 14:34 | JC/MD    | Dilution |
| 11  | P4846-02     | VX043959.D     | 22 Nov 2024 14:57 | JC/MD    | Ok       |
| 12  | P4887-06     | VX043960.D     | 22 Nov 2024 15:20 | JC/MD    | Ok       |
| 13  | P4846-04     | VX043961.D     | 22 Nov 2024 15:43 | JC/MD    | Ok       |
| 14  | P4846-08     | VX043962.D     | 22 Nov 2024 16:06 | JC/MD    | Ok       |
| 15  | P4846-11     | VX043963.D     | 22 Nov 2024 16:29 | JC/MD    | Ok       |
| 16  | P4846-12     | VX043964.D     | 22 Nov 2024 16:52 | JC/MD    | Ok       |
| 17  | P4846-13     | VX043965.D     | 22 Nov 2024 17:16 | JC/MD    | Ok       |
| 18  | P4846-14     | VX043966.D     | 22 Nov 2024 17:39 | JC/MD    | Ok       |
| 19  | P4846-15     | VX043967.D     | 22 Nov 2024 18:01 | JC/MD    | Ok       |
| 20  | P4846-16     | VX043968.D     | 22 Nov 2024 18:25 | JC/MD    | Dilution |
| 21  | P4846-17     | VX043969.D     | 22 Nov 2024 18:47 | JC/MD    | Ok       |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112224**

| Review By                                                                                          | John Carlone      | Review On         | 11/25/2024 9:54:33 AM             |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 11/25/2024 2:02:46 PM             |
| SubDirectory                                                                                       | VX112224          | HP Acquire Method | HP Processing Method 82X112124W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131748          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131749,VP131750 |                   |                                   |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | P4846-03    | VX043970.D | 22 Nov 2024 19:10 | JC/MD | Ok   |
| 23 | P4873-01    | VX043971.D | 22 Nov 2024 19:33 | JC/MD | Ok   |
| 24 | P4873-03    | VX043972.D | 22 Nov 2024 19:56 | JC/MD | Ok   |
| 25 | P4934-06MS  | VX043973.D | 22 Nov 2024 20:19 | JC/MD | Ok,M |
| 26 | P4934-07MSD | VX043974.D | 22 Nov 2024 20:42 | JC/MD | Ok,M |
| 27 | VSTDCCC050  | VX043975.D | 22 Nov 2024 21:05 | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112524**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | Mahesh Dadoda       | Review On         | 11/26/2024 9:44:43 AM             |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 11/26/2024 9:47:07 AM             |
| SubDirectory                                                                                       | VX112524            | HP Acquire Method | HP Processing Method 82X112124W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131793            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131794,VP131795   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VX043976.D     | 25 Nov 2024 10:59 | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VX043977.D     | 25 Nov 2024 11:27 | JC/MD    | Ok,M     |
| 3   | VX1125MBL01  | VX043978.D     | 25 Nov 2024 11:55 | JC/MD    | Ok       |
| 4   | VX1125WBL01  | VX043979.D     | 25 Nov 2024 12:18 | JC/MD    | Ok       |
| 5   | VX1125WBS01  | VX043980.D     | 25 Nov 2024 12:41 | JC/MD    | Ok,M     |
| 6   | VX1125WBSD01 | VX043981.D     | 25 Nov 2024 13:08 | JC/MD    | Ok,M     |
| 7   | P4846-01DL   | VX043982.D     | 25 Nov 2024 13:31 | JC/MD    | Ok       |
| 8   | P4846-16DL   | VX043983.D     | 25 Nov 2024 13:53 | JC/MD    | Ok       |
| 9   | P4886-01     | VX043984.D     | 25 Nov 2024 14:17 | JC/MD    | Ok       |
| 10  | P4886-02     | VX043985.D     | 25 Nov 2024 14:40 | JC/MD    | Ok       |
| 11  | P4886-03     | VX043986.D     | 25 Nov 2024 15:03 | JC/MD    | Ok       |
| 12  | P4886-04     | VX043987.D     | 25 Nov 2024 15:26 | JC/MD    | Ok       |
| 13  | P4873-02     | VX043988.D     | 25 Nov 2024 15:49 | JC/MD    | Ok       |
| 14  | P4873-04     | VX043989.D     | 25 Nov 2024 16:12 | JC/MD    | Ok       |
| 15  | P4873-05     | VX043990.D     | 25 Nov 2024 16:35 | JC/MD    | Ok       |
| 16  | P4873-06     | VX043991.D     | 25 Nov 2024 16:58 | JC/MD    | Ok       |
| 17  | P4873-07     | VX043992.D     | 25 Nov 2024 17:21 | JC/MD    | Dilution |
| 18  | P4873-08     | VX043993.D     | 25 Nov 2024 17:44 | JC/MD    | Dilution |
| 19  | P4873-09     | VX043994.D     | 25 Nov 2024 18:08 | JC/MD    | Ok       |
| 20  | P4846-05     | VX043995.D     | 25 Nov 2024 18:31 | JC/MD    | Ok       |
| 21  | P4846-06MS   | VX043996.D     | 25 Nov 2024 18:54 | JC/MD    | Ok,M     |



Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112524**

| Review By                                                                                          | Mahesh Dadoda       | Review On         | 11/26/2024 9:44:43 AM             |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 11/26/2024 9:47:07 AM             |
| SubDirectory                                                                                       | VX112524            | HP Acquire Method | HP Processing Method 82X112124W.M |
| STD. NAME                                                                                          | STD REF.#           |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131793            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131794,VP131795   |                   |                                   |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | P4846-07MSD | VX043997.D | 25 Nov 2024 19:17 | JC/MD | Ok,M |
| 23 | PB165160TB  | VX043998.D | 25 Nov 2024 19:40 | JC/MD | Ok   |
| 24 | P4938-04    | VX043999.D | 25 Nov 2024 20:03 | JC/MD | Ok   |
| 25 | P4938-08    | VX044000.D | 25 Nov 2024 20:26 | JC/MD | Ok   |
| 26 | P4995-01    | VX044001.D | 25 Nov 2024 20:49 | JC/MD | Ok   |
| 27 | VSTDCCC050  | VX044002.D | 25 Nov 2024 21:12 | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112624**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | Semsettin Yesilyurt | Review On         | 11/27/2024 7:39:20 AM             |
| Supervise By                                                                                       | Maresh Dadoda       | Supervise On      | 11/27/2024 7:40:42 AM             |
| SubDirectory                                                                                       | VX112624            | HP Acquire Method | HP Processing Method 82X112124W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131809            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131810,VP131811   |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VX044003.D     | 26 Nov 2024 08:09 | JC/MD    | Ok     |
| 2   | VSTDCCC050   | VX044004.D     | 26 Nov 2024 09:59 | JC/MD    | Ok,M   |
| 3   | VX1126MBL01  | VX044005.D     | 26 Nov 2024 10:31 | JC/MD    | Ok     |
| 4   | VX1126WBL01  | VX044006.D     | 26 Nov 2024 10:54 | JC/MD    | Ok     |
| 5   | VX1126WBS01  | VX044007.D     | 26 Nov 2024 11:17 | JC/MD    | Ok,M   |
| 6   | VX1126WBS02  | VX044008.D     | 26 Nov 2024 11:45 | JC/MD    | Not Ok |
| 7   | P4846-02     | VX044009.D     | 26 Nov 2024 12:08 | JC/MD    | Not Ok |
| 8   | P4846-03     | VX044010.D     | 26 Nov 2024 12:31 | JC/MD    | Not Ok |
| 9   | P4846-17     | VX044011.D     | 26 Nov 2024 12:55 | JC/MD    | Not Ok |
| 10  | P4873-07DL   | VX044012.D     | 26 Nov 2024 13:18 | JC/MD    | Ok     |
| 11  | P4873-08DL   | VX044013.D     | 26 Nov 2024 13:41 | JC/MD    | Ok     |
| 12  | VX1126WBSD01 | VX044014.D     | 26 Nov 2024 14:04 | JC/MD    | Ok,M   |
| 13  | P5003-03     | VX044015.D     | 26 Nov 2024 14:27 | JC/MD    | Ok     |
| 14  | P5003-01     | VX044016.D     | 26 Nov 2024 14:50 | JC/MD    | Ok     |
| 15  | P5003-02     | VX044017.D     | 26 Nov 2024 15:14 | JC/MD    | Ok     |
| 16  | P4958-03     | VX044018.D     | 26 Nov 2024 16:00 | JC/MD    | Ok     |
| 17  | P4958-04     | VX044019.D     | 26 Nov 2024 16:23 | JC/MD    | Ok     |
| 18  | P4958-01     | VX044020.D     | 26 Nov 2024 16:46 | JC/MD    | Ok     |
| 19  | P4958-02     | VX044021.D     | 26 Nov 2024 17:10 | JC/MD    | Ok     |
| 20  | VSTDCCC050   | VX044022.D     | 26 Nov 2024 17:33 | JC/MD    | Ok,M   |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112124**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 11/21/2024 9:44:50 AM             |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 11/22/2024 3:34:00 PM             |
| SubDirectory             | VX112124                                              | HP Acquire Method | HP Processing Method 82X112124W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP131686,VP131690                                     |                   |                                   |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |                   |                                   |
| CCC                      | VP131691                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP131722                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleID    | ClientID    | Data File Name | Date-Time         | Comment                                    | Operator | Status |
|-----|-------------|-------------|----------------|-------------------|--------------------------------------------|----------|--------|
| 1   | BFB         | BFB         | VX043915.D     | 20 Nov 2024 15:43 |                                            | JC/MD    | Ok     |
| 2   | VSTDICC001  | VSTDICC001  | VX043916.D     | 20 Nov 2024 16:11 | %D failed for Comp. #71,74,90,92 in 01 PPB | JC/MD    | Not Ok |
| 3   | VSTDICC005  | VSTDICC005  | VX043917.D     | 20 Nov 2024 16:57 | %D failed for Comp. #81 in 05 PPB          | JC/MD    | Not Ok |
| 4   | VSTDICC020  | VSTDICC020  | VX043918.D     | 20 Nov 2024 17:20 |                                            | JC/MD    | Not Ok |
| 5   | VSTDICCC050 | VSTDICCC050 | VX043919.D     | 20 Nov 2024 17:43 |                                            | JC/MD    | Not Ok |
| 6   | VSTDICC100  | VSTDICC100  | VX043920.D     | 20 Nov 2024 18:06 |                                            | JC/MD    | Not Ok |
| 7   | VSTDICC150  | VSTDICC150  | VX043921.D     | 20 Nov 2024 18:30 |                                            | JC/MD    | Not Ok |
| 8   | IBLK        | IBLK        | VX043922.D     | 20 Nov 2024 18:53 |                                            | JC/MD    | Not Ok |
| 9   | VSTDICV050  | ICVVX112124 | VX043923.D     | 20 Nov 2024 19:16 | Failed                                     | JC/MD    | Not Ok |
| 10  | BFB         | BFB         | VX043924.D     | 21 Nov 2024 08:51 |                                            | JC/MD    | Ok     |
| 11  | VSTDICC001  | VSTDICC001  | VX043925.D     | 21 Nov 2024 09:47 | %D failed for Comp. #71 in 01 PPB          | JC/MD    | Ok,M   |
| 12  | VSTDICC005  | VSTDICC005  | VX043926.D     | 21 Nov 2024 10:14 | QR- 58,71                                  | JC/MD    | Ok,M   |
| 13  | VSTDICC020  | VSTDICC020  | VX043927.D     | 21 Nov 2024 10:37 |                                            | JC/MD    | Ok,M   |
| 14  | VSTDICCC050 | VSTDICCC050 | VX043928.D     | 21 Nov 2024 11:17 |                                            | JC/MD    | Ok,M   |
| 15  | VSTDICC100  | VSTDICC100  | VX043929.D     | 21 Nov 2024 11:40 |                                            | JC/MD    | Ok,M   |
| 16  | VSTDICC150  | VSTDICC150  | VX043930.D     | 21 Nov 2024 12:03 |                                            | JC/MD    | Ok,M   |
| 17  | IBLK        | IBLK        | VX043931.D     | 21 Nov 2024 12:27 |                                            | JC/MD    | Ok     |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112124**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 11/21/2024 9:44:50 AM             |
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 11/22/2024 3:34:00 PM             |
| SubDirectory             | VX112124                                              | HP Acquire Method | HP Processing Method 82X112124W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP131686,VP131690                                     |                   |                                   |
| Initial Calibration Stds | VP131716,VP131717,VP131718,VP131719,VP131720,VP131721 |                   |                                   |
| CCC                      | VP131691                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP131722                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |              |                   |            |                   |                 |       |       |
|----|--------------|-------------------|------------|-------------------|-----------------|-------|-------|
| 18 | VSTDICV050   | ICVVX112124       | VX043932.D | 21 Nov 2024 13:57 |                 | JC/MD | Ok,M  |
| 19 | VX1121MBL01  | VX1121MBL01       | VX043933.D | 21 Nov 2024 14:27 |                 | JC/MD | Ok    |
| 20 | VX1121WBL01  | VX1121WBL01       | VX043934.D | 21 Nov 2024 14:50 |                 | JC/MD | Ok    |
| 21 | VX1121WBS01  | VX1121WBS01       | VX043935.D | 21 Nov 2024 15:13 |                 | JC/MD | Ok,M  |
| 22 | VX1121WBSD01 | VX1121WBSD01      | VX043936.D | 21 Nov 2024 15:40 |                 | JC/MD | Ok,M  |
| 23 | P4921-01     | WC-11-A-202411    | VX043937.D | 21 Nov 2024 16:03 | vial B pH#5.0   | JC/MD | Ok    |
| 24 | P4934-01     | TB-01-20241118    | VX043938.D | 21 Nov 2024 16:27 | vial A pH<2 TB; | JC/MD | Ok    |
| 25 | P4934-09     | FB-01-20241119    | VX043939.D | 21 Nov 2024 16:50 | vial A pH<2 FB; | JC/MD | Ok    |
| 26 | P4934-11     | RB-01-20241119    | VX043940.D | 21 Nov 2024 17:13 | vial A pH<2     | JC/MD | Ok    |
| 27 | P4934-02     | BPOW6-11-20241118 | VX043941.D | 21 Nov 2024 17:36 | vial A pH<2     | JC/MD | Ok    |
| 28 | P4934-03     | BPOW6-7-20241118  | VX043942.D | 21 Nov 2024 17:59 | vial A pH<2     | JC/MD | Ok    |
| 29 | P4934-08     | BPOW6-9-20241119  | VX043943.D | 21 Nov 2024 18:23 | vial A pH<2     | JC/MD | Ok    |
| 30 | P4934-10     | BPOW6-8-20241119  | VX043944.D | 21 Nov 2024 18:46 | vial A pH<2     | JC/MD | Ok    |
| 31 | P4934-04     | DUP-01-20241118   | VX043945.D | 21 Nov 2024 19:09 | vial A pH<2     | JC/MD | Ok    |
| 32 | P4934-12     | DUP-02-20241119   | VX043946.D | 21 Nov 2024 19:32 | vial A pH<2     | JC/MD | Ok    |
| 33 | P4934-05     | BPOW6-10-20241119 | VX043947.D | 21 Nov 2024 19:55 | vial A pH<2     | JC/MD | Ok    |
| 34 | VSTDCCC050   | VSTDCCC050EC      | VX043948.D | 21 Nov 2024 20:18 |                 | JC/MD | Ok,NR |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112224**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | John Carlone  | Review On         | 11/25/2024 9:54:33 AM             |
| Supervise By | Maresh Dadoda | Supervise On      | 11/25/2024 2:02:46 PM             |
| SubDirectory | VX112224      | HP Acquire Method | HP Processing Method 82X112124W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131748          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131749,VP131750 |

| Sr# | SampleID     | ClientID           | Data File Name | Date-Time         | Comment             | Operator | Status   |
|-----|--------------|--------------------|----------------|-------------------|---------------------|----------|----------|
| 1   | BFB          | BFB                | VX043949.D     | 22 Nov 2024 10:54 |                     | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050         | VX043950.D     | 22 Nov 2024 11:22 | V13516              | JC/MD    | Ok,M     |
| 3   | VX1122MBL01  | VX1122MBL01        | VX043951.D     | 22 Nov 2024 11:50 |                     | JC/MD    | Ok       |
| 4   | VX1122WBL01  | VX1122WBL01        | VX043952.D     | 22 Nov 2024 12:13 |                     | JC/MD    | Ok       |
| 5   | VX1122WBS01  | VX1122WBS01        | VX043953.D     | 22 Nov 2024 12:36 |                     | JC/MD    | Ok,M     |
| 6   | VX1122WBSD01 | VX1122WBSD01       | VX043954.D     | 22 Nov 2024 13:02 |                     | JC/MD    | Ok,M     |
| 7   | P4947-01     | A3988              | VX043955.D     | 22 Nov 2024 13:25 | vial A pH<2         | JC/MD    | Ok       |
| 8   | P4846-09     | TB-1-20241113      | VX043956.D     | 22 Nov 2024 13:48 | vial A pH<2 TB      | JC/MD    | Ok       |
| 9   | P4846-10     | FSND-RB-3-20241113 | VX043957.D     | 22 Nov 2024 14:11 | vial A pH<2         | JC/MD    | Ok       |
| 10  | P4846-01     | FSND-MW-EVAL-03D-2 | VX043958.D     | 22 Nov 2024 14:34 | vial A pH<2 Need 5X | JC/MD    | Dilution |
| 11  | P4846-02     | FSND-MW-EVAL-03S-2 | VX043959.D     | 22 Nov 2024 14:57 | vial A pH<2         | JC/MD    | Ok       |
| 12  | P4887-06     | MH-760             | VX043960.D     | 22 Nov 2024 15:20 | vial A pH#5.0       | JC/MD    | Ok       |
| 13  | P4846-04     | FSND-MW-EVAL-04S-2 | VX043961.D     | 22 Nov 2024 15:43 | vial A pH<2         | JC/MD    | Ok       |
| 14  | P4846-08     | FSND-MW-26-2024111 | VX043962.D     | 22 Nov 2024 16:06 | vial A pH<2         | JC/MD    | Ok       |
| 15  | P4846-11     | FSND-MW-24-2024111 | VX043963.D     | 22 Nov 2024 16:29 | vial A pH<2         | JC/MD    | Ok       |
| 16  | P4846-12     | FSND-MW-15-2024111 | VX043964.D     | 22 Nov 2024 16:52 | vial A pH<2         | JC/MD    | Ok       |
| 17  | P4846-13     | FSND-MW-EVAL-02D-2 | VX043965.D     | 22 Nov 2024 17:16 | vial A pH<2         | JC/MD    | Ok       |
| 18  | P4846-14     | FSND-MW-EVAL-02S-2 | VX043966.D     | 22 Nov 2024 17:39 | vial A pH<2         | JC/MD    | Ok       |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112224**

| Review By                                                                                          | John Carlone      | Review On         | 11/25/2024 9:54:33 AM             |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 11/25/2024 2:02:46 PM             |
| SubDirectory                                                                                       | VX112224          | HP Acquire Method | HP Processing Method 82X112124W.M |
| STD. NAME                                                                                          | STD REF.#         |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131748          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131749,VP131750 |                   |                                   |

|    |             |                    |            |                   |                      |       |          |
|----|-------------|--------------------|------------|-------------------|----------------------|-------|----------|
| 19 | P4846-15    | FSND-FD-4-20241113 | VX043967.D | 22 Nov 2024 18:01 | vial A pH<2          | JC/MD | Ok       |
| 20 | P4846-16    | FSND-MW-EVAL-01D-2 | VX043968.D | 22 Nov 2024 18:25 | vial A pH<2 Need 10X | JC/MD | Dilution |
| 21 | P4846-17    | FSND-MW-EVAL-01S-2 | VX043969.D | 22 Nov 2024 18:47 | vial A pH<2          | JC/MD | Ok       |
| 22 | P4846-03    | FSND-FD-3-20241113 | VX043970.D | 22 Nov 2024 19:10 | vial A pH<2          | JC/MD | Ok       |
| 23 | P4873-01    | FSND-RB-4-20241114 | VX043971.D | 22 Nov 2024 19:33 | vial A pH<2          | JC/MD | Ok       |
| 24 | P4873-03    | TB-2               | VX043972.D | 22 Nov 2024 19:56 | vial A pH<2 TB       | JC/MD | Ok       |
| 25 | P4934-06MS  | BPOW6-10-20241118M | VX043973.D | 22 Nov 2024 20:19 | vial A pH<2          | JC/MD | Ok,M     |
| 26 | P4934-07MSD | BPOW6-10-20241118M | VX043974.D | 22 Nov 2024 20:42 | vial A pH<2          | JC/MD | Ok,M     |
| 27 | VSTDCCC050  | VSTDCCC050EC       | VX043975.D | 22 Nov 2024 21:05 |                      | JC/MD | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112524**

|              |                     |                   |                                   |
|--------------|---------------------|-------------------|-----------------------------------|
| Review By    | Maresh Dadoda       | Review On         | 11/26/2024 9:44:43 AM             |
| Supervise By | Semsettin Yesilyurt | Supervise On      | 11/26/2024 9:47:07 AM             |
| SubDirectory | VX112524            | HP Acquire Method | HP Processing Method 82X112124W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131793          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131794,VP131795 |

| Sr# | SampleID     | ClientID              | Data File Name | Date-Time         | Comment              | Operator | Status   |
|-----|--------------|-----------------------|----------------|-------------------|----------------------|----------|----------|
| 1   | BFB          | BFB                   | VX043976.D     | 25 Nov 2024 10:59 |                      | JC/MD    | Ok       |
| 2   | VSTDCCC050   | VSTDCCC050            | VX043977.D     | 25 Nov 2024 11:27 | V13516               | JC/MD    | Ok,M     |
| 3   | VX1125MBL01  | VX1125MBL01           | VX043978.D     | 25 Nov 2024 11:55 |                      | JC/MD    | Ok       |
| 4   | VX1125WBL01  | VX1125WBL01           | VX043979.D     | 25 Nov 2024 12:18 |                      | JC/MD    | Ok       |
| 5   | VX1125WBS01  | VX1125WBS01           | VX043980.D     | 25 Nov 2024 12:41 |                      | JC/MD    | Ok,M     |
| 6   | VX1125WBSD01 | VX1125WBSD01          | VX043981.D     | 25 Nov 2024 13:08 |                      | JC/MD    | Ok,M     |
| 7   | P4846-01DL   | FSND-MW-EVAL-03D-2    | VX043982.D     | 25 Nov 2024 13:31 | vial B pH<2          | JC/MD    | Ok       |
| 8   | P4846-16DL   | FSND-MW-EVAL-01D-2    | VX043983.D     | 25 Nov 2024 13:53 | vial B pH<2          | JC/MD    | Ok       |
| 9   | P4886-01     | Storage-Blank-SOIL-RE | VX043984.D     | 25 Nov 2024 14:17 | vial A pH<2          | JC/MD    | Ok       |
| 10  | P4886-02     | Storage-Blank-WATER-  | VX043985.D     | 25 Nov 2024 14:40 | vial A pH<2          | JC/MD    | Ok       |
| 11  | P4886-03     | Storage-Blank-WATER-  | VX043986.D     | 25 Nov 2024 15:03 | vial A pH<2          | JC/MD    | Ok       |
| 12  | P4886-04     | Storage-Blank-SAMPLE  | VX043987.D     | 25 Nov 2024 15:26 | vial A pH<2          | JC/MD    | Ok       |
| 13  | P4873-02     | FSND-MW-30-2024111    | VX043988.D     | 25 Nov 2024 15:49 | vial A pH<2          | JC/MD    | Ok       |
| 14  | P4873-04     | FSND-MW-19-2024111    | VX043989.D     | 25 Nov 2024 16:12 | vial A pH<2          | JC/MD    | Ok       |
| 15  | P4873-05     | FSND-MW-32-2024111    | VX043990.D     | 25 Nov 2024 16:35 | vial A pH<2          | JC/MD    | Ok       |
| 16  | P4873-06     | FSND-MW-34-2024111    | VX043991.D     | 25 Nov 2024 16:58 | vial A pH<2          | JC/MD    | Ok       |
| 17  | P4873-07     | FSND-GEP-3-2024111    | VX043992.D     | 25 Nov 2024 17:21 | vial A pH<2 Need 5X  | JC/MD    | Dilution |
| 18  | P4873-08     | FSND-MW-28-2024111    | VX043993.D     | 25 Nov 2024 17:44 | vial A pH<2 Need 10X | JC/MD    | Dilution |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112524**

|                                                                                                    |                     |                   |                                   |
|----------------------------------------------------------------------------------------------------|---------------------|-------------------|-----------------------------------|
| Review By                                                                                          | Maresh Dadoda       | Review On         | 11/26/2024 9:44:43 AM             |
| Supervise By                                                                                       | Semsettin Yesilyurt | Supervise On      | 11/26/2024 9:47:07 AM             |
| SubDirectory                                                                                       | VX112524            | HP Acquire Method | HP Processing Method 82X112124W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>    |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131793            |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131794,VP131795   |                   |                                   |

|    |             |                    |            |                   |               |       |      |
|----|-------------|--------------------|------------|-------------------|---------------|-------|------|
| 19 | P4873-09    | FSND-MW-29-2024111 | VX043994.D | 25 Nov 2024 18:08 | vial A pH<2   | JC/MD | Ok   |
| 20 | P4846-05    | FSND-MW-EVAL-04D-2 | VX043995.D | 25 Nov 2024 18:31 | vial A pH<2   | JC/MD | Ok   |
| 21 | P4846-06MS  | FSND-MW-EVAL-04D-2 | VX043996.D | 25 Nov 2024 18:54 | vial A pH<2   | JC/MD | Ok,M |
| 22 | P4846-07MSD | FSND-MW-EVAL-04D-2 | VX043997.D | 25 Nov 2024 19:17 | vial A pH<2   | JC/MD | Ok,M |
| 23 | PB165160TB  | PB165160TB         | VX043998.D | 25 Nov 2024 19:40 |               | JC/MD | Ok   |
| 24 | P4938-04    | MH-732             | VX043999.D | 25 Nov 2024 20:03 | vial A pH#5.0 | JC/MD | Ok   |
| 25 | P4938-08    | MH-734             | VX044000.D | 25 Nov 2024 20:26 | vial A pH#5.0 | JC/MD | Ok   |
| 26 | P4995-01    | 001                | VX044001.D | 25 Nov 2024 20:49 | vial A pH<2   | JC/MD | Ok   |
| 27 | VSTDCCC050  | VSTDCCC050EC       | VX044002.D | 25 Nov 2024 21:12 |               | JC/MD | Ok,M |

M : Manual Integration



Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112624**

|              |                     |                   |                                   |
|--------------|---------------------|-------------------|-----------------------------------|
| Review By    | Semsettin Yesilyurt | Review On         | 11/27/2024 7:39:20 AM             |
| Supervise By | Mahesh Dadoda       | Supervise On      | 11/27/2024 7:40:42 AM             |
| SubDirectory | VX112624            | HP Acquire Method | HP Processing Method 82X112124W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131809          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131810,VP131811 |

| Sr# | SampleID     | ClientID              | Data File Name | Date-Time         | Comment          | Operator | Status |
|-----|--------------|-----------------------|----------------|-------------------|------------------|----------|--------|
| 1   | BFB          | BFB                   | VX044003.D     | 26 Nov 2024 08:09 |                  | JC/MD    | Ok     |
| 2   | VSTDCCC050   | VSTDCCC050            | VX044004.D     | 26 Nov 2024 09:59 |                  | JC/MD    | Ok,M   |
| 3   | VX1126MBL01  | VX1126MBL01           | VX044005.D     | 26 Nov 2024 10:31 |                  | JC/MD    | Ok     |
| 4   | VX1126WBL01  | VX1126WBL01           | VX044006.D     | 26 Nov 2024 10:54 |                  | JC/MD    | Ok     |
| 5   | VX1126WBS01  | VX1126WBS01           | VX044007.D     | 26 Nov 2024 11:17 |                  | JC/MD    | Ok,M   |
| 6   | VX1126WBS02  | VX1126WBS02           | VX044008.D     | 26 Nov 2024 11:45 | Not Required     | JC/MD    | Not Ok |
| 7   | P4846-02     | FSND-MW-EVAL-03S-2    | VX044009.D     | 26 Nov 2024 12:08 | Already analyzed | JC/MD    | Not Ok |
| 8   | P4846-03     | FSND-FD-3-20241113    | VX044010.D     | 26 Nov 2024 12:31 | Already analyzed | JC/MD    | Not Ok |
| 9   | P4846-17     | FSND-MW-EVAL-01S-2    | VX044011.D     | 26 Nov 2024 12:55 | Already analyzed | JC/MD    | Not Ok |
| 10  | P4873-07DL   | FSND-GEP-3-20241114   | VX044012.D     | 26 Nov 2024 13:18 |                  | JC/MD    | Ok     |
| 11  | P4873-08DL   | FSND-MW-28-2024111    | VX044013.D     | 26 Nov 2024 13:41 |                  | JC/MD    | Ok     |
| 12  | VX1126WBSD01 | VX1126WBSD01          | VX044014.D     | 26 Nov 2024 14:04 |                  | JC/MD    | Ok,M   |
| 13  | P5003-03     | RW-10A-HYD-2024112    | VX044015.D     | 26 Nov 2024 14:27 |                  | JC/MD    | Ok     |
| 14  | P5003-01     | RW-10A-TB-20241122    | VX044016.D     | 26 Nov 2024 14:50 | TB               | JC/MD    | Ok     |
| 15  | P5003-02     | RW-10A-HYD-2024112    | VX044017.D     | 26 Nov 2024 15:14 |                  | JC/MD    | Ok     |
| 16  | P4958-03     | Storage-Blank-WATER   | VX044018.D     | 26 Nov 2024 16:00 |                  | JC/MD    | Ok     |
| 17  | P4958-04     | Storage-Blank-SAMPLE  | VX044019.D     | 26 Nov 2024 16:23 |                  | JC/MD    | Ok     |
| 18  | P4958-01     | Storage-Blank-SOIL-RE | VX044020.D     | 26 Nov 2024 16:46 |                  | JC/MD    | Ok     |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX112624**

|              |                     |                   |                                   |
|--------------|---------------------|-------------------|-----------------------------------|
| Review By    | Semsettin Yesilyurt | Review On         | 11/27/2024 7:39:20 AM             |
| Supervise By | Mahesh Dadoda       | Supervise On      | 11/27/2024 7:40:42 AM             |
| SubDirectory | VX112624            | HP Acquire Method | HP Processing Method 82X112124W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP131809          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP131810,VP131811 |

|    |            |                     |            |                   |  |       |      |
|----|------------|---------------------|------------|-------------------|--|-------|------|
| 19 | P4958-02   | Storage-Blank-WATER | VX044021.D | 26 Nov 2024 17:10 |  | JC/MD | Ok   |
| 20 | VSTDCCC050 | VSTDCCC050EC        | VX044022.D | 26 Nov 2024 17:33 |  | JC/MD | Ok,M |

M : Manual Integration

## Prep Standard - Chemical Standard Summary

**Order ID :** P4873

**Test :** VOC-TCLVOA-10

**Prepbatch ID :**

**Sequence ID/Qc Batch ID:** VX112224,VX112524,VX112624,

**Standard ID :**

VP128290,VP128762,VP128766,VP130430,VP131134,VP131317,VP131746,VP131748,VP131749,VP131750,VP131767,VP131793,VP131794,VP131795,VP131809,VP131810,VP131811,

**Chemical ID :**

V12794,V12798,V13390,V13391,V13444,V13462,V13463,V13707,V13797,V13810,V14018,V14019,V14107,V14108,V14145,V14147,V14148,V14150,V14154,V14171,V14172,V14203,V14206,V14215,V14289,V14436,V14443,V14573,V14574,V14575,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> |
|------------------|-------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 218              | BFB, 25PPM  | <a href="#">VP128290</a> | 06/10/2024       | 11/23/2024             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |             |                          |                  |                        |                     |                |                  | 06/12/2024           |

**FROM** 0.25000ml of V13390 + 24.75000ml of V14148 = 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> |
|------------------|--------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 1810             | 8260 Working Std(2-CVE)-800ppm | <a href="#">VP128762</a> | 07/01/2024       | 12/11/2024             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                |                          |                  |                        |                     |                |                  | 07/02/2024           |

**FROM** 0.50000ml of V12798 + 1.50000ml of V12794 + 23.00000ml of V14147 = 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> |
|------------------|---------------------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 719              | 8260 Working STD (BCM)-First source, 400PPM | <a href="#">VP128766</a> | 07/01/2024       | 12/11/2024             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                             |                          |                  |                        |                     |                |                  | 07/02/2024           |

**FROM** 1.50000ml of V13462 + 1.50000ml of V13463 + 12.00000ml of V14147 = Final Quantity: 15.000 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="#">VP130430</a> | 09/20/2024       | 02/28/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                        |                          |                  |                        |                     |                |                  | 09/26/2024           |

**FROM** 0.40000ml of V13707 + 24.60000ml of V14145 = 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>            |
|------------------|----------------------------------------------------------|--------------------------|------------------|------------------------|------------------------|----------------|------------------|---------------------------------|
| 257              | 8260 Calibration Working STD<br>Mix-First source, 160PPM | <a href="#">VP131134</a> | 10/28/2024       | 12/07/2024             | Semsettin<br>Yesilyurt | None           | None             | Maresh Dadoda<br><br>10/30/2024 |

**FROM** 0.40000ml of V13444 + 1.00000ml of V13797 + 1.00000ml of V13810 + 1.00000ml of V14018 + 1.00000ml of V14019 + 1.00000ml of V14107 + 1.00000ml of V14108 + 1.00000ml of V14171 + 1.00000ml of V14172 + 1.00000ml of V14203 + 1.00000ml of V14436 + 1.00000ml of V14443 + 1.50000ml of V14206 + 1.50000ml of V14215 + 10.60000ml of V14150 = Final Quantity: 25.000 ml

| <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<br>source, 800PPM | <a href="#">VP131317</a> | 11/07/2024       | 11/30/2024             | Semsettin<br>Yesilyurt | None           | None             | Maresh Dadoda<br><br>11/13/2024 |

**FROM** 1.00000ml of V14575 + 1.50000ml of V14573 + 1.50000ml of V14574 + 21.00000ml of V14150 = Final Quantity: 25.000 ml

## 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> |
|------------------|--------------------------------|--------------------------|------------------|------------------------|---------------------|----------------|------------------|----------------------|
| 247              | 8260 Internal Standard, 250PPM | <a href="#">VP131746</a> | 11/22/2024       | 05/18/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
|                  |                                |                          |                  |                        |                     |                |                  | 11/23/2024           |

**FROM** 0.50000ml of V14289 + 49.50000ml of V14154 = 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> |
|------------------|----------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 589              | BFB TUNE CHECK | <a href="#">VP131748</a> | 11/22/2024       | 11/23/2024             | John Carlone       | None           | None             | Maresh Dadoda        |
|                  |                |                          |                  |                        |                    |                |                  | 11/23/2024           |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP128290 = 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>        |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|-----------------------------|
| 620              | 50 PPB CCC, 8260-Water                                                                                                                                                                          | <a href="#">VP131749</a> | 11/22/2024       | 11/23/2024             | John Carlone       | None           | None             | Mahesh Dadoda<br>11/23/2024 |
| <u>FROM</u>      | 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml |                          |                  |                        |                    |                |                  |                             |

| <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="#">VP131750</a> | 11/22/2024       | 11/23/2024             | John Carlone       | None           | None             | Mahesh Dadoda<br>11/23/2024 |
| <u>FROM</u>      | 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml |                          |                  |                        |                    |                |                  |                             |



## 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="#">VP131767</a> | 11/22/2024       | 05/18/2025             | Semsettin Yesilyurt | None           | None             | Maresh Dadoda        |
| 11/27/2024       |             |                          |                  |                        |                     |                |                  |                      |

**FROM** 0.50000ml of V13391 + 49.50000ml of V14154 = 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> |
|------------------|----------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|----------------------|
| 589              | BFB TUNE CHECK | <a href="#">VP131793</a> | 11/25/2024       | 11/26/2024             | John Carlone       | None           | None             | Maresh Dadoda        |
| 11/27/2024       |                |                          |                  |                        |                    |                |                  |                      |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP131767 = 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="#">VP131794</a> | 11/25/2024       | 11/26/2024             | John Carlone       | None           | None             | Mahesh Dadoda<br><br>11/27/2024 |
| <b><u>FROM</u></b> 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml |                        |                          |                  |                        |                    |                |                  |                                 |

[illegible]

## 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="#">VP131809</a> | 11/26/2024       | 11/27/2024             | John Carlone       | None           | None             | Maresh Dadoda        |
| 11/27/2024       |                |                          |                  |                        |                    |                |                  |                      |

**FROM** 39.98400ml of W3112 + 0.01600ml of VP131767 = 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="#">VP131810</a> | 11/26/2024       | 11/27/2024             | John Carlone       | None           | None             | Maresh Dadoda        |
| 11/27/2024       |                        |                          |                  |                        |                    |                |                  |                      |

**FROM** 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml

## 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>            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|--------------------------|------------------|------------------------|--------------------|----------------|------------------|---------------------------------|
| 620                                                                                                                                                                                                                | 50 PPB CCC, 8260-Water | <a href="#">VP131811</a> | 11/26/2024       | 11/27/2024             | John Carlone       | None           | None             | Mahesh Dadoda<br><br>11/27/2024 |
| <b><u>FROM</u></b> 39.94450ml of W3112 + 0.00500ml of VP128766 + 0.00500ml of VP130430 + 0.00800ml of VP131746 + 0.01250ml of VP128762 + 0.01250ml of VP131134 + 0.01250ml of VP131317 = Final Quantity: 40.000 ml |                        |                          |                  |                        |                    |                |                  |                                 |

## CHEMICAL RECEIPT LOG BOOK

| Supplier                 | ItemCode / ItemName                         | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95318 / 2-Chloroethyl Vinyl Ether (Min = 5) | 121321 | 12/13/2024      | 06/25/2024 / SAM        | 03/30/2022 / SAM            | V12794         |

| Supplier                 | ItemCode / ItemName                         | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|---------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95318 / 2-Chloroethyl Vinyl Ether (Min = 5) | 121321 | 12/13/2024      | 06/25/2024 / SAM        | 03/30/2022 / SAM            | V12798         |

| Supplier | ItemCode / ItemName          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30067 / BFB tuneing solution | A0191805 | 12/08/2024      | 12/08/2023 / SAM        | 01/13/2023 / SAM            | V13390         |

| Supplier | ItemCode / ItemName          | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 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   | 30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM | A0181905 | 12/14/2024      | 06/14/2024 / SAM        | 01/23/2023 / SAM            | V13444         |

| Supplier | ItemCode / ItemName                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 01/01/2025      | 07/01/2024 / SAM        | 01/27/2023 / SAM            | V13462         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                             | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul | A0193071 | 01/01/2025      | 07/01/2024 / SAM        | 01/27/2023 / SAM            | V13463         |

| Supplier | ItemCode / ItemName                                         | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2] | A0196865 | 06/10/2025      | 06/10/2024 / SAM        | 04/12/2023 / SAM            | V13707         |

| Supplier | ItemCode / ItemName                                                                    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0194279 | 04/17/2025      | 10/17/2024 / SAM        | 05/31/2023 / SAM            | V13797         |

| Supplier | ItemCode / ItemName                                                                    | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30042 / VOA Mix, 500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml | A0194279 | 04/17/2025      | 10/17/2024 / SAM        | 05/31/2023 / SAM            | V13810         |

| Supplier                 | ItemCode / ItemName                     | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 032922 | 03/16/2025      | 09/16/2024 / SAM        | 11/22/2023 / SAM            | V14018         |

| Supplier                 | ItemCode / ItemName                     | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-----------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95319 / Revised Additions Mix (Min = 5) | 032922 | 03/16/2025      | 09/16/2024 / SAM        | 11/22/2023 / SAM            | V14019         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                                               | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|-----------------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE | A0205179 | 04/17/2025      | 10/17/2024 / SAM        | 12/22/2023 / SAM            | V14107         |

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 | A0205179 | 03/16/2025      | 09/16/2024 / SAM        | 12/22/2023 / SAM            | V14108         |

LOTS

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 02/28/2025      | 08/29/2024 / SAM        | 02/06/2024 / SAM            | V14145         |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 12/11/2024      | 06/11/2024 / pedro      | 02/06/2024 / SAM            | V14147         |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 11/23/2024      | 05/23/2024 / pedro      | 02/06/2024 / SAM            | V14148         |

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 04/23/2025      | 10/23/2024 / Rajesh     | 02/06/2024 / SAM            | V14150         |

## CHEMICAL RECEIPT LOG BOOK

| Supplier         | ItemCode / ItemName                        | Lot #      | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|------------------|--------------------------------------------|------------|-----------------|-------------------------|-----------------------------|----------------|
| Seidler Chemical | BA9077-02 / Methanol, Purge/Trap (cs=6x1L) | 22L0562016 | 05/18/2025      | 11/18/2024 / pedro      | 02/06/2024 / SAM            | V14154         |

| Supplier                 | ItemCode / ItemName                            | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 03/16/2025      | 09/16/2024 / SAM        | 02/20/2024 / SAM            | V14171         |

| Supplier                 | ItemCode / ItemName                            | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|------------------------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 95317 / Universal VOA Mega Mix (Min order = 5) | 021624 | 03/16/2025      | 09/16/2024 / SAM        | 02/20/2024 / SAM            | V14172         |

| Supplier | ItemCode / ItemName                                                        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 04/17/2025      | 10/17/2024 / SAM        | 02/28/2024 / SAM            | V14203         |

| Supplier | ItemCode / ItemName                                                        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 04/17/2025      | 10/17/2024 / SAM        | 02/28/2024 / SAM            | V14206         |

| Supplier | ItemCode / ItemName                                                        | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|----------------------------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml | A0200785 | 03/16/2025      | 09/16/2024 / SAM        | 02/28/2024 / SAM            | V14215         |



## CHEMICAL RECEIPT LOG BOOK

| Supplier | ItemCode / ItemName                                     | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|---------------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 555581 / Custom Standard, 8260 Internal Std [CS 5179-1] | A0210184 | 11/22/2025      | 11/22/2024 / SAM        | 04/15/2024 / SAM            | V14289         |

| Supplier | ItemCode / ItemName                            | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 09/30/2025      | 09/16/2024 / SAM        | 08/15/2024 / SAM            | V14436         |

| Supplier | ItemCode / ItemName                            | Lot #    | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|----------|------------------------------------------------|----------|-----------------|-------------------------|-----------------------------|----------------|
| Restek   | 30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL | A0209618 | 03/16/2025      | 09/16/2024 / SAM        | 08/15/2024 / SAM            | V14443         |

| Supplier                 | ItemCode / ItemName           | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 103024 | 11/30/2024      | 11/04/2024 / SAM        | 11/01/2024 / SAM            | V14573         |

| Supplier                 | ItemCode / ItemName           | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 103024 | 11/30/2024      | 11/04/2024 / SAM        | 11/01/2024 / SAM            | V14574         |

| Supplier                 | ItemCode / ItemName           | Lot #  | Expiration Date | Date Opened / Opened By | Received Date / Received By | Chemtech Lot # |
|--------------------------|-------------------------------|--------|-----------------|-------------------------|-----------------------------|----------------|
| Absolute Standards, Inc. | 91980 / Acrolin Std (Min = 5) | 103024 | 11/30/2024      | 11/04/2024 / SAM        | 11/01/2024 / SAM            | V14575         |

**CHEMICAL RECEIPT LOG BOOK**

| Supplier         | ItemCode / ItemName | Lot #               | Expiration Date | Date Opened /<br>Opened By | Received Date /<br>Received By | Chemtech<br>Lot # |
|------------------|---------------------|---------------------|-----------------|----------------------------|--------------------------------|-------------------|
| Seidler Chemical | DIW / DI Water      | Daily Lab-Certified | 07/03/2029      | 07/03/2024 /<br>lwona      | 07/03/2024 /<br>lwona          | W3112             |



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#: 8UTB

Solvent(s): **Methanol**  
Lot# **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty  
**0.021** Flask Uncertainty

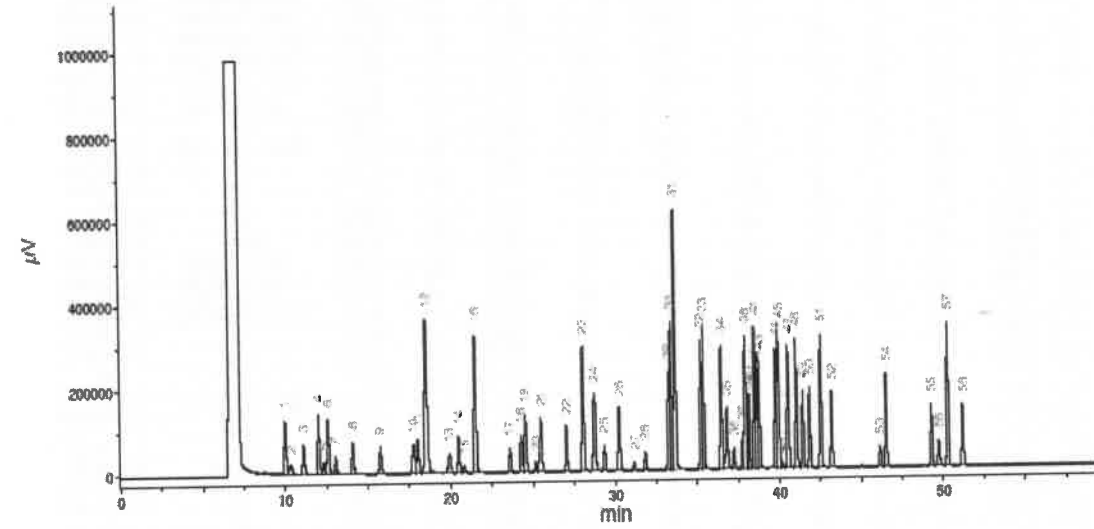
|                |                         |        |
|----------------|-------------------------|--------|
| Formulated By: | <i>Prashant Chauhan</i> | 021624 |
|                | Prashant Chauhan        | DATE   |
| Reviewed By:   | <i>Pedro L. Rentes</i>  | 021624 |
|                | Pedro L. Rentes         | DATE   |

| Compound                            | (RM#)  | Lot         | Di.  | Initial | Initial | Nominal | Purity | Purity | Uncertainty | Target  | Actual  | Actual | Expanded | SDS Information |                              |                   |           |
|-------------------------------------|--------|-------------|------|---------|---------|---------|--------|--------|-------------|---------|---------|--------|----------|-----------------|------------------------------|-------------------|-----------|
|                                     |        |             |      |         |         |         |        |        |             |         |         |        |          | Part Number     | Number                       | Factor            | Vol. (mL) |
| 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) | 102395      | 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 disulphide                | (0060) | MKCR8581    | 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          | 0.21058 | 0.21069 | 2001.1 | 8.5      | 1476-11-5       | N/A                          | N/A               |           |
| 5. trans-1,4-Dichloro-2-butene      | (0486) | MKBP6041V   | NA   | NA      | NA      | 2000    | 96.5   | 0.2    | NA          | 0.20731 | 0.20748 | 2001.7 | 8.4      | 110-57-6        | N/A                          | N/A               |           |
| 6. Diethyl ether                    | (0153) | IK18CA5000K | 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) | 06126PK     | 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) | 5HBF8718V   | 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 70mg/kg    |           |
| 10. Methacrylonitrile               | (0442) | 00427ET     | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20221 | 2001.4 | 8.2      | 126-98-7        | 1 ppm (3mg/m3/8H) (skin)     | or-rat 1200mg/kg  |           |
| 11. Methyl acrylate                 | (1075) | SHBK0679    | NA   | NA      | NA      | 2000    | 99.9   | 0.2    | NA          | 0.20025 | 0.20040 | 2001.5 | 8.1      | 96-33-3         | 10 ppm (35mg/m3/8H) (skin)   | or-rat 277mg/kg   |           |
| 12. Methyl methacrylate             | (0404) | MKBW5137V   | NA   | NA      | NA      | 2000    | 99.9   | 0.2    | NA          | 0.20025 | 0.20041 | 2001.6 | 8.1      | 80-62-6         | 100 ppm (410mg/m3/8H)        | or-rat 7872mg/kg  |           |
| 13. Nitrobenzene                    | (0228) | 01213TV     | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20220 | 2001.3 | 8.2      | 98-95-3         | 1 ppm (5mg/m3/8H) (skin)     | or-rat 780mg/kg   |           |
| 14. 2-Nitropropane                  | (0461) | 14002JX     | NA   | NA      | NA      | 2000    | 97.3   | 0.2    | NA          | 0.20560 | 0.20577 | 2001.6 | 8.3      | 79-46-9         | 10 ppm (35mg/m3/8H)          | or-rat 720mg/kg   |           |
| 15. Perfluorooctane                 | (0450) | HGA01       | NA   | NA      | NA      | 2000    | 98     | 0.2    | NA          | 0.20413 | 0.20430 | 2001.6 | 8.3      | 76-01-7         | N/A                          | N/A               |           |
| 16. 1,1,2-Trichlorotrifluoroethane  | (0474) | 18930       | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20225 | 2001.8 | 8.2      | 76-13-1         | 1000 ppm (7800mg/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 916mg/kg   |           |
| 18. Dibromochloromethane            | 35171  | 101623      | 0.05 | 5.00    | 40002.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 23.0     | 124-48-1        | N/A                          | or-rat 840mg/kg   |           |
| 19. cis-1,2-Dichloroethane          | 35171  | 101623      | 0.05 | 5.00    | 40003.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 156-59-2        | N/A                          | N/A               |           |
| 20. trans-1,2-Dichloroethane        | 35171  | 101623      | 0.05 | 5.00    | 40002.4 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 23.0     | 156-60-5        | N/A                          | N/A               |           |
| 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 1235mg/kg  |           |
| 22. 1,1-Dichloroethene              | 32251  | 102023      | 0.10 | 10.00   | 20001.6 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.6 | 22.9     | 75-35-4         | 1 ppm (4mg/m3/8H)            | or-rat 200mg/kg   |           |
| 23. Bromoform                       | 95321  | 020724      | 0.10 | 10.00   | 20003.2 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 75-25-2         | 0.5 ppm (5mg/m3) (skin)      | or-rat 930mg/kg   |           |
| 24. Carbon tetrachloride            | 95321  | 020724      | 0.10 | 10.00   | 20003.4 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.4     | 56-23-5         | 2 ppm (12.6mg/m3/8H)         | or-rat 2350mg/kg  |           |
| 25. Chloroform                      | 95321  | 020724      | 0.10 | 10.00   | 20024.0 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 2001.9 | 20.5     | 67-66-3         | 50 ppm (240mg/m3) (CL)       | or-rat 900mg/kg   |           |
| 26. Dibromomethane                  | 95321  | 020724      | 0.10 | 10.00   | 20002.9 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 74-85-3         | N/A                          | 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 | 20.5     | 75-34-3         | 100 ppm                      | 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 | 20.4     | 594-20-7        | N/A                          | N/A               |           |
| 29. Tetrachloroethane               | 95321  | 020724      | 0.10 | 10.00   | 20201.1 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 2019.6 | 20.8     | 127-18-4        | 25 ppm (170mg/m3/8H) (final) | 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 (1900mg/m3/8H)       | or-rat 10300mg/kg |           |
| 31. 1,2-Dibromo-3-chloropropane     | 35161  | 112322      | 0.05 | 5.00    | 40016.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.3 | 22.9     | 96-12-6         | 0.001 ppm                    | or-rat 170mg/kg   |           |
| 32. 1,2-Dibromomethane              | 35161  | 112322      | 0.05 | 5.00    | 40024.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.7 | 22.9     | 106-93-4        | 20 ppm (8H)                  | or-rat 108mg/kg   |           |
| 33. 1,2-Dichloroethane              | 35161  | 112322      | 0.05 | 5.00    | 40018.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.4 | 22.9     | 107-08-2        | 50 ppm (8H)                  | or-rat 870mg/kg   |           |
| 34. 1,2-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40051.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2002.0 | 22.9     | 78-57-5         | 75 ppm (350mg/m3/8H)         | or-rat 1947mg/kg  |           |
| 35. 1,3-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40005.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 142-28-9        | N/A                          | un-rat 3600mg/kg  |           |
| 36. 1,1-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40012.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.1 | 22.9     | 563-56-6        | N/A                          | N/A               |           |
| 37. cis-1,3-Dichloropropene         | 35161  | 112322      | 0.05 | 5.00    | 40010.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.0 | 23.0     | 10061-01-5      | N/A                          | N/A               |           |
| 38. trans-1,3-Dichloropropene       | 35161  | 112322      | 0.05 | 5.00    | 40017.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.4 | 23.0     | 10061-02-6      | N/A                          | N/A               |           |
| 39. Hexachloro-1,3-butadiene        | 35161  | 112322      | 0.05 | 5.00    | 40021.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.6 | 22.9     | 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     | 630-20-6        | 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 (46mg/m3/8H) (skin)   | or-rat 836mg/kg   |           |
| 43. Trichloroethene                 | 35161  | 112322      | 0.05 | 5.00    | 40029.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.9 | 22.9     | 79-01-6         | 50 ppm (270mg/m3/8H)         | or-rat 2400mg/kg  |           |
| 44. 1,2,3-Trichloropropane          | 35161  | 112322      | 0.05 | 5.00    | 40007.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.9 | 22.9     | 96-18-4         | 10 ppm (50mg/m3/8H)          | or-rat 149.6mg/kg |           |
| 45. Benzene                         | 35162  | 050823      | 0.05 | 5.00    | 40005.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 71-43-2         | 1 ppm                        | or-rat 4694mg/kg  |           |
| 46. Bromobenzene                    | 35162  | 050823      | 0.05 | 5.00    | 40006.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 104-51-8        | N/A                          | N/A               |           |
| 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      | 1999.7 | 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    | 40006.2 | 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    | 40006.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 106-98-3        | 200 ppm                      | or-rat 5000mg/kg  |           |
| 52. Toluene                         | 35162  | 050823      | 0.05 | 5.00    | 40006.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 87-61-6         | 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      | 1999.7 | 22.9     | 120-82-1        | 5 ppm (CL) (40mg/m3)         | or-rat 750mg/kg   |           |
| 54. 1,2,4-Trichlorobenzene          | 35162  | 050823      | 0.05 | 5.00    | 40006.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 23.0     | 95-63-6         | N/A                          | or-rat 5g/kg      |           |
| 55. 1,2,4-Trimethylbenzene          | 35162  | 050823      | 0.05 | 5.00    | 40001.6 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 22.9     | 106-67-8        | 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     | 98-06-6         | N/A                          | N/A               |           |
| 58. tert-Butyl benzene              | 35163  | 101923      | 0.05 | 5.00    | 40001.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 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     | 541-5           |                              |                   |           |

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        | 10.33         |
| 3      | 1,1-Dichloroethane                           | 11.10         |
| 4      | Acetonitrile                                 | 12.00         |
| 5      | Iodomethane                                  | 12.31         |
| 6      | Allyl chloride                               | 12.56         |
| 7      | Carbon disulfide/Methylene chloride          | 13.04         |
| 8      | trans-1,2-Dichloroethane                     | 14.07         |
| 9      | 1,1-Dichloroethane                           | 15.74         |
| 10     | 2,2-Dichloropropane                          | 17.24         |
| 11     | cis-1,2-Dichloroethane                       | 18.00         |
| 12     | Methacrylonitrile/methyl acrylate/Chloroform | 18.46         |
| 13     | Isobutane/1,1,1-Trichloroethane              | 19.01         |
| 14     | 1,1-Dichloropropane                          | 20.46         |
| 15     | Carbon tetrachloride                         | 20.79         |
| 16     | Benzene/1,2-Dichloroethane                   | 21.49         |
| 17     | Trichloroethane                              | 23.58         |
| 18     | 1,2-Dichloropropane                          | 24.38         |
| 19     | Methyl methacrylate                          | 24.52         |
| 20     | Bromochloromethane                           | 25.13         |
| 21     | Dibromomethane/2-Hydropropane                | 25.46         |
| 22     | cis-1,3-Dichloropropane                      | 27.02         |
| 23     | Toluene                                      | 28.05         |
| 24     | Ethyl methacrylate/trans-1,3-Dichloropropane | 28.73         |
| 25     | 1,1,2-Trichloroethane                        | 29.34         |
| 26     | Tetrachloroethene/1,3-Dichloropropane        | 30.24         |
| 27     | Dibromochloromethane                         | 31.16         |
| 28     | 1,2-Dibromomethane                           | 31.84         |
| 29     | Chlorobenzene                                | 33.26         |
| 30     | Ethylbenzene/1,1,1,2-Tetrachloroethane       | 33.40         |
| 31     | m-Xylene/p-Xylene                            | 33.66         |
| 32     | o-Xylene                                     | 35.22         |
| 33     | Styrene                                      | 35.39         |
| 34     | Isopropylbenzene/Bromoforn                   | 36.18         |
| 35     | cis-1,4-Dichloro-3-butene                    | 36.48         |
| 36     | 1,1,2,2-Tetrachloroethane                    | 37.23         |
| 37     | 1,2,3-Trichloropropane                       | 37.77         |
| 38     | n-Propylbenzene                              | 37.93         |
| 39     | trans-1,4-Dichloro-3-butene                  | 38.05         |
| 40     | Bromobenzene                                 | 38.14         |
| 41     | 1,3,5-Trimethylbenzene                       | 38.80         |
| 42     | 2-Chlorotoluene                              | 38.82         |
| 43     | 4-Chlorotoluene                              | 38.77         |
| 44     | tert-Butylbenzene                            | 39.74         |
| 45     | 1,2,4-Trimethylbenzene                       | 39.91         |
| 46     | Pentachloroethane                            | 40.17         |
| 47     | sec-Butylbenzene                             | 40.52         |
| 48     | p-Isopropyltoluene                           | 41.02         |
| 49     | 1,3-Dichlorobenzene                          | 41.42         |
| 50     | 1,4-Dichlorobenzene                          | 41.83         |
| 51     | n-Butylbenzene                               | 42.53         |
| 52     | 1,2-Dichlorobenzene                          | 43.18         |
| 53     | 1,2-Dibromo-3-chloropropane                  | 46.12         |
| 54     | Nitrobenzene                                 | 46.46         |
| 55     | 1,2,4-Trichlorobenzene                       | 49.26         |
| 56     | Hexachlorobutadiene                          | 49.72         |
| 57     | Naphthalene                                  | 50.26         |
| 58     | 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, 2023 |

## Section II - Hazards Identification

## GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

|          |                                      |                |                                               |
|----------|--------------------------------------|----------------|-----------------------------------------------|
| H225     | Highly Flammable Liquid and Vapor    | H301, 311, 331 | Toxic if swallowed, skin contact, inhaled     |
| H370     | Cause damage to organs               | H351           | Suspected of causing cancer                   |
| P271     | Use in ventilated area               | P280           | Use gloves, eye protection/face 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 | > 97         |

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

## Section IV. FIRST AID MEASURES

|                         |                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------|
| General advice          | Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.            |
| If inhaled              | If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician. |
| In case of skin contact | Wash with soap and water. Consult a physician.                                                              |
| In case of eye contact  | Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.                      |
| If swallowed            | Do NOT induce vomiting. Rinse mouth with water. Consult a physician.                                        |

## Section V. FIREFIGHTING MEASURES

|                               |                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flammability                  | Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking. |
| Suitable extinguishing media  | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.                                                                                        |
| Protective equipment for fire | Wear self contained breathing apparatus for fire fighting if necessary.                                                                                         |

## Section VI. ACCIDENTAL RELEASE MEASURES

|                           |                                                                                                                                                                                     |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions      | Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations. |
| Environmental precautions | Prevent further leakage or spillage if safe to do so. Do not let product enter drains.                                                                                              |
| Clean up                  | Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).                                                             |

## Section VII. HANDLING AND STORAGE

|                               |                                                                                                                                                                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.                                                                                                                                                                                                        |
| Storage Conditions            | Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. |

## Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

|                                                                                               |                                                                                                    |
|-----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Methanol                                                                                      | 67-56-1 TWA 200 ppm                                                                                |
| Skin notation                                                                                 | TWA 200 ppm                                                                                        |
| Potential for skin absorption, ingestion and inhalation.                                      |                                                                                                    |
| Personal protective equipment                                                                 | Respiratory protection. Handle with gloves. Gloves must be inspected prior to use. Eye protection. |
| Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product. |                                                                                                    |

## Section IX - Physical/Chemical Characteristics

|                         |                                                           |                                         |       |
|-------------------------|-----------------------------------------------------------|-----------------------------------------|-------|
| Boiling Point           | 65°C                                                      | Specific Gravity (H2O = 1)              | 0.79  |
| Vapor Pressure (mm Hg)  | 96                                                        | Melting Point                           | -98°C |
| Vapor Density (AIR = 1) | 1.11                                                      | Evaporation rate<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 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#: 8UTB

Solvent(s): **Methanol**  
Lot# **EG359-USQ12**

Weight(s) shown below were combined and diluted to (mL): **100.0** **0.021** Balance Uncertainty  
**0.021** Flask Uncertainty

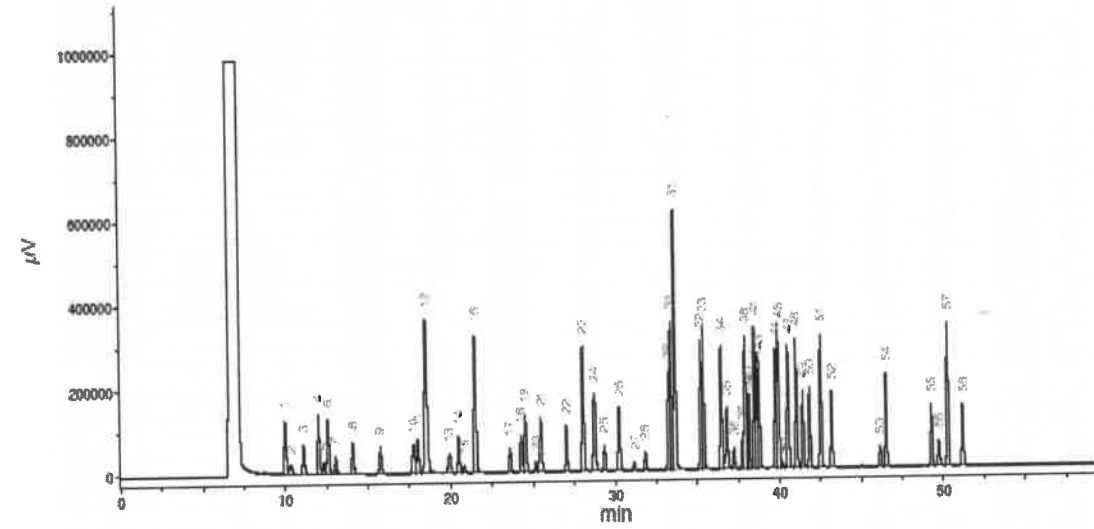
|                |                         |        |
|----------------|-------------------------|--------|
| Formulated By: | <i>Prashant Chauhan</i> | 021624 |
|                | Prashant Chauhan        | DATE   |
| Reviewed By:   | <i>Pedro L. Rentes</i>  | 021624 |
|                | Pedro L. Rentes         | DATE   |

| Compound                            | (RM#)  | Lot         | Di.  | Initial | Initial | Nominal | Purity | Purity | Uncertainty | Target  | Actual  | Actual | Expanded | SDS Information |                              |                   |           |
|-------------------------------------|--------|-------------|------|---------|---------|---------|--------|--------|-------------|---------|---------|--------|----------|-----------------|------------------------------|-------------------|-----------|
|                                     |        |             |      |         |         |         |        |        |             |         |         |        |          | Part Number     | Number                       | Factor            | Vol. (mL) |
| 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) | 102395      | 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 disulphide                | (0060) | MKCR8581    | 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        | (1198) | 14718EF     | NA   | NA      | NA      | 2000    | 95     | 0.2    | NA          | 0.21058 | 0.21069 | 2001.1 | 8.5      | 1478-11-5       | N/A                          | N/A               |           |
| 5. trans-1,4-Dichloro-2-butene      | (0486) | MKBP6041V   | NA   | NA      | NA      | 2000    | 96.5   | 0.2    | NA          | 0.20731 | 0.20748 | 2001.7 | 8.4      | 110-57-6        | N/A                          | N/A               |           |
| 6. Diethyl ether                    | (0153) | IK18CA5000K | 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) | 06126PK     | 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) | 5HBF8718V   | 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 70mg/kg    |           |
| 10. Methacrylonitrile               | (0442) | 00427ET     | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20221 | 2001.4 | 8.2      | 126-98-7        | 1 ppm (3mg/m3/8H) (skin)     | or-rat 1200mg/kg  |           |
| 11. Methyl acrylate                 | (1075) | SHBK0679    | NA   | NA      | NA      | 2000    | 99.9   | 0.2    | NA          | 0.20025 | 0.20040 | 2001.5 | 8.1      | 96-33-3         | 10 ppm (35mg/m3/8H) (skin)   | or-rat 277mg/kg   |           |
| 12. Methyl methacrylate             | (0404) | MKBW5137V   | NA   | NA      | NA      | 2000    | 99.9   | 0.2    | NA          | 0.20025 | 0.20041 | 2001.6 | 8.1      | 80-62-6         | 100 ppm (410mg/m3/8H)        | or-rat 7872mg/kg  |           |
| 13. Nitrobenzene                    | (0228) | 01213TV     | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20220 | 2001.3 | 8.2      | 98-95-3         | 1 ppm (5mg/m3/8H) (skin)     | or-rat 780mg/kg   |           |
| 14. 2-Nitropropane                  | (0461) | 14002JX     | NA   | NA      | NA      | 2000    | 97.3   | 0.2    | NA          | 0.20560 | 0.20577 | 2001.6 | 8.3      | 79-46-9         | 10 ppm (35mg/m3/8H)          | or-rat 720mg/kg   |           |
| 15. Perfluorooctane                 | (0450) | HGA01       | NA   | NA      | NA      | 2000    | 98     | 0.2    | NA          | 0.20413 | 0.20430 | 2001.6 | 8.3      | 76-01-7         | N/A                          | N/A               |           |
| 16. 1,1,2-Trichlorotrifluoroethane  | (0474) | 18930       | NA   | NA      | NA      | 2000    | 99     | 0.2    | NA          | 0.20207 | 0.20225 | 2001.8 | 8.2      | 76-13-1         | 1000 ppm (7800mg/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 916mg/kg   |           |
| 18. Dibromochloromethane            | 35171  | 101623      | 0.05 | 5.00    | 40002.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 23.0     | 124-48-1        | N/A                          | or-rat 840mg/kg   |           |
| 19. cis-1,2-Dichloroethane          | 35171  | 101623      | 0.05 | 5.00    | 40003.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 156-59-2        | N/A                          | N/A               |           |
| 20. trans-1,2-Dichloroethane        | 35171  | 101623      | 0.05 | 5.00    | 40002.4 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 23.0     | 156-60-5        | N/A                          | N/A               |           |
| 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 1235mg/kg  |           |
| 22. 1,1-Dichloroethene              | 32251  | 102023      | 0.10 | 10.00   | 20001.6 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.6 | 22.9     | 75-35-4         | 1 ppm (4mg/m3/8H)            | or-rat 200mg/kg   |           |
| 23. Bromoform                       | 95321  | 020724      | 0.10 | 10.00   | 20003.2 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 75-25-2         | 0.5 ppm (5mg/m3) (skin)      | or-rat 930mg/kg   |           |
| 24. Carbon tetrachloride            | 95321  | 020724      | 0.10 | 10.00   | 20003.4 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.4     | 56-23-5         | 2 ppm (12.6mg/m3/8H)         | or-rat 2350mg/kg  |           |
| 25. Chloroform                      | 95321  | 020724      | 0.10 | 10.00   | 20024.0 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 2001.9 | 20.5     | 67-66-3         | 50 ppm (240mg/m3) (CL)       | or-rat 900mg/kg   |           |
| 26. Dibromomethane                  | 95321  | 020724      | 0.10 | 10.00   | 20002.9 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 74-85-3         | N/A                          | or-rat 105mg/kg   |           |
| 27. 1,1-Dichloroethane              | 95321  | 020724      | 0.10 | 10.00   | 20003.4 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 1999.8 | 20.5     | 75-34-3         | 100 ppm                      | 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 | 20.4     | 594-20-7        | N/A                          | or-rat 725mg/kg   |           |
| 29. Tetrachloroethane               | 95321  | 020724      | 0.10 | 10.00   | 20201.1 | 2000    | NA     | NA     | 0.042       | NA      | NA      | 2019.6 | 20.8     | 127-18-4        | 25 ppm (170mg/m3/8H) (final) | 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 (1900mg/m3/8H)       | or-rat 10300mg/kg |           |
| 31. 1,2-Dibromo-3-chloropropane     | 35161  | 112322      | 0.05 | 5.00    | 40016.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.3 | 22.9     | 96-12-6         | 0.001 ppm                    | or-rat 170mg/kg   |           |
| 32. 1,2-Dibromomethane              | 35161  | 112322      | 0.05 | 5.00    | 40024.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.7 | 22.9     | 106-93-4        | 20 ppm (8H)                  | or-rat 108mg/kg   |           |
| 33. 1,2-Dichloroethane              | 35161  | 112322      | 0.05 | 5.00    | 40018.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.4 | 22.9     | 107-08-2        | 50 ppm (8H)                  | or-rat 870mg/kg   |           |
| 34. 1,2-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40051.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2002.0 | 22.9     | 78-57-5         | 75 ppm (350mg/m3/8H)         | or-rat 1947mg/kg  |           |
| 35. 1,3-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40005.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 142-28-9        | N/A                          | un-rat 3600mg/kg  |           |
| 36. 1,1-Dichloropropane             | 35161  | 112322      | 0.05 | 5.00    | 40012.1 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.1 | 29.7     | 563-56-6        | N/A                          | N/A               |           |
| 37. cis-1,3-Dichloropropene         | 35161  | 112322      | 0.05 | 5.00    | 40010.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.0 | 23.0     | 10061-01-5      | N/A                          | N/A               |           |
| 38. trans-1,3-Dichloropropene       | 35161  | 112322      | 0.05 | 5.00    | 40017.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.4 | 23.0     | 10061-02-6      | N/A                          | N/A               |           |
| 39. Hexachloro-1,3-butadiene        | 35161  | 112322      | 0.05 | 5.00    | 40021.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.6 | 29.7     | 87-68-3         | 0.02 ppm (0.24mg/m3/8H)      | 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     | 630-20-6        | 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 (46mg/m3/8H) (skin)   | or-rat 836mg/kg   |           |
| 43. Trichloroethene                 | 35161  | 112322      | 0.05 | 5.00    | 40029.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 2000.9 | 22.9     | 79-01-6         | 50 ppm (270mg/m3/8H)         | or-rat 2400mg/kg  |           |
| 44. 1,2,3-Trichloropropane          | 35161  | 112322      | 0.05 | 5.00    | 40007.5 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.9 | 22.9     | 96-18-4         | 10 ppm (50mg/m3/8H)          | or-rat 149.6mg/kg |           |
| 45. Benzene                         | 35162  | 050823      | 0.05 | 5.00    | 40005.0 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 71-43-2         | 1 ppm                        | or-rat 4694mg/kg  |           |
| 46. Bromobenzene                    | 35162  | 050823      | 0.05 | 5.00    | 40006.9 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.7 | 22.9     | 104-51-8        | N/A                          | N/A               |           |
| 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      | 1999.7 | 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    | 40006.2 | 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    | 40006.2 | 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      | 1999.8 | 22.9     | 87-61-6         | 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      | 1999.7 | 22.9     | 120-82-1        | 5 ppm (CL) (40mg/m3)         | or-rat 750mg/kg   |           |
| 54. 1,2,4-Trichlorobenzene          | 35162  | 050823      | 0.05 | 5.00    | 40006.8 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 23.0     | 95-63-6         | N/A                          | or-rat 5g/kg      |           |
| 55. 1,2,4-Trimethylbenzene          | 35162  | 050823      | 0.05 | 5.00    | 40001.6 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.8 | 22.9     | 106-67-8        | 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     | 98-06-6         | N/A                          | N/A               |           |
| 58. tert-Butyl benzene              | 35163  | 101923      | 0.05 | 5.00    | 40001.2 | 2000    | NA     | NA     | 0.017       | NA      | NA      | 1999.6 | 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</   |                 |                              |                   |           |

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        | 10.33         |
| 3      | 1,1-Dichloroethane                           | 11.10         |
| 4      | Acetonitrile                                 | 12.00         |
| 5      | Iodomethane                                  | 12.31         |
| 6      | Allyl chloride                               | 12.56         |
| 7      | Carbon disulfide/Methylene chloride          | 13.04         |
| 8      | trans-1,2-Dichloroethane                     | 14.07         |
| 9      | 1,1-Dichloroethane                           | 15.74         |
| 10     | 2,2-Dichloropropane                          | 17.24         |
| 11     | cis-1,2-Dichloroethane                       | 18.00         |
| 12     | Methacrylonitrile/methyl acrylate/Chloroform | 18.46         |
| 13     | Isobutane/1,1,1-Trichloroethane              | 19.01         |
| 14     | 1,1-Dichloropropane                          | 20.46         |
| 15     | Carbon tetrachloride                         | 20.79         |
| 16     | Benzene/1,2-Dichloroethane                   | 21.49         |
| 17     | Trichloroethane                              | 23.58         |
| 18     | 1,2-Dichloropropane                          | 24.38         |
| 19     | Methyl methacrylate                          | 24.52         |
| 20     | Bromochloromethane                           | 25.13         |
| 21     | Dibromomethane/2-Hitropropane                | 25.46         |
| 22     | cis-1,3-Dichloropropane                      | 27.02         |
| 23     | Toluene                                      | 28.05         |
| 24     | Ethyl methacrylate/trans-1,3-Dichloropropane | 28.73         |
| 25     | 1,1,2-Trichloroethane                        | 29.34         |
| 26     | Tetrachloroethene/1,3-Dichloropropane        | 30.24         |
| 27     | Dibromochloromethane                         | 31.16         |
| 28     | 1,2-Dibromomethane                           | 31.84         |
| 29     | Chlorobenzene                                | 33.26         |
| 30     | Ethylbenzene/1,1,1,2-Tetrachloroethane       | 33.40         |
| 31     | m-Xylene/p-Xylene                            | 33.66         |
| 32     | o-Xylene                                     | 35.22         |
| 33     | Styrene                                      | 35.39         |
| 34     | Isopropylbenzene/Bromoforn                   | 36.18         |
| 35     | cis-1,4-Dichloro-3-butene                    | 36.80         |
| 36     | 1,1,2,2-Tetrachloroethane                    | 37.23         |
| 37     | 1,2,3-Trichloropropane                       | 37.77         |
| 38     | n-Propylbenzene                              | 37.93         |
| 39     | trans-1,4-Dichloro-3-butene                  | 38.05         |
| 40     | Bromobenzene                                 | 38.14         |
| 41     | 1,3,5-Trimethylbenzene                       | 38.80         |
| 42     | 2-Chlorotoluene                              | 38.82         |
| 43     | 4-Chlorotoluene                              | 38.77         |
| 44     | tert-Butylbenzene                            | 39.74         |
| 45     | 1,2,4-Trimethylbenzene                       | 39.91         |
| 46     | Pentachloroethane                            | 40.17         |
| 47     | sec-Butylbenzene                             | 40.52         |
| 48     | p-Isopropyltoluene                           | 41.02         |
| 49     | 1,3-Dichlorobenzene                          | 41.42         |
| 50     | 1,4-Dichlorobenzene                          | 41.83         |
| 51     | n-Butylbenzene                               | 42.53         |
| 52     | 1,2-Dichlorobenzene                          | 43.18         |
| 53     | 1,2-Dibromo-3-chloropropane                  | 46.12         |
| 54     | Nitrobenzene                                 | 46.46         |
| 55     | 1,2,4-Trichlorobenzene                       | 49.26         |
| 56     | Hexachlorobutadiene                          | 49.72         |
| 57     | Naphthalene                                  | 50.26         |
| 58     | 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, 2023 |

## Section II - Hazards Identification

## GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

|          |                                      |                |                                               |
|----------|--------------------------------------|----------------|-----------------------------------------------|
| H225     | Highly Flammable Liquid and Vapor    | H301, 311, 331 | Toxic if swallowed, skin contact, inhaled     |
| H370     | Cause damage to organs               | H351           | Suspected of causing cancer                   |
| P271     | Use in ventilated area               | P280           | Use gloves, eye protection/face 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 | > 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 WEIGHT REPORT

Part Number:  
Lot Number:  
Description:

95319  
032922  
Revised Additions Mix  
11 components

Solvent(s):  
Methanol  
Lot#  
EC592-US

Expiration Date:  
Recommended Storage:  
Nominal Concentration (µg/mL):  
NIST Test ID#:

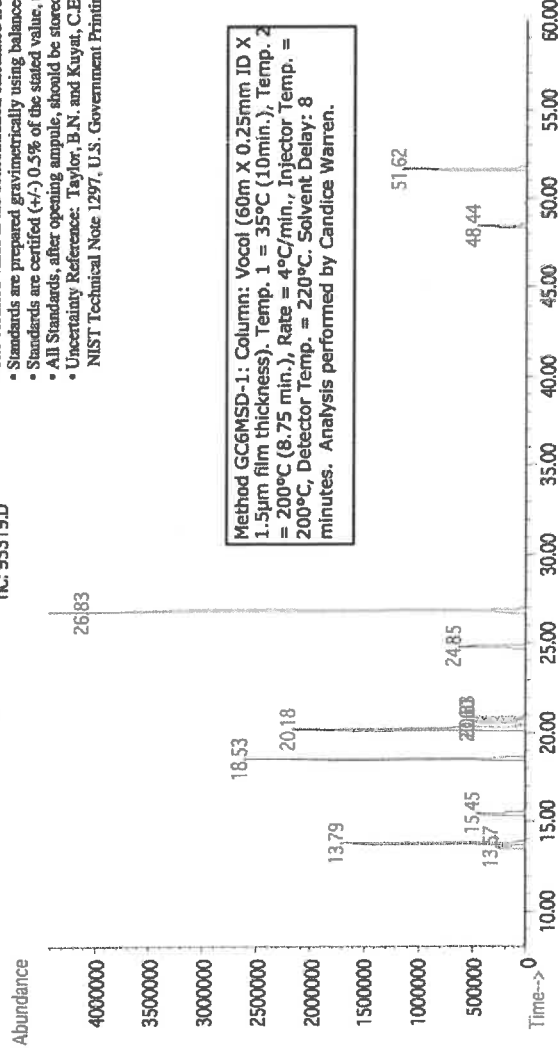
032925  
Refrigerate (4 °C)  
Varied  
6UTB  
5E-05 Balance Uncertainty  
0.012 Flask Uncertainty

Weight(s) shown below were combined and diluted to (mL): 100.0

|                |                  |        |      |
|----------------|------------------|--------|------|
| Formulated By: | Prashant Chauhan | 032922 | DATE |
| Reviewed By:   | Pedro L. Rentas  | 032922 | DATE |

| Compound                          | RM#  | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information                        |                                             |
|-----------------------------------|------|------------|----------------------|------------|-------------|-------------------|-------------------|---------------------|------------------------------------|----------------------------------------|---------------------------------------------|
|                                   |      |            |                      |            |             |                   |                   |                     |                                    | (Solvent Safety Info. On Attached pg.) | OSHA PEL (TWA) LD50                         |
| 1. Acrylonitrile                  | 7    | 4718CK     | 10000                | 99         | 0.2         | 1.01015           | 1.01030           | 10001.5             | 40.5                               | 107-13-1                               | N/A orl-rat 78 mg/kg                        |
| 2. 1-Chlorobutane                 | 1072 | MKCM5711   | 2000                 | 99.99      | 0.2         | 0.20003           | 0.20020           | 2001.7              | 8.1                                | 109-69-3                               | N/A orl-rat 2870mg/kg                       |
| 3. Cyclohexane                    | 1023 | 28930      | 2000                 | 99         | 0.2         | 0.20203           | 0.20215           | 2001.2              | 8.2                                | 110-82-7                               | 300 ppm (1050mg/m3/8h) orl-rat 12705mg/kg   |
| 4. Di-Isopropyl ether (DIPE)      | 987  | 00412MX    | 2000                 | 99         | 0.2         | 0.20203           | 0.20215           | 2001.2              | 8.2                                | 109-20-3                               | 500 ppm (2100mg/m3/8h) orl-rat 8470mg/kg    |
| 5. 1,4-Dioxane                    | 373  | 03853KE    | 40000                | 99         | 0.2         | 4.04060           | 4.04100           | 40004.0             | 161.9                              | 123-91-1                               | 25 ppm (90mg/m3/8h)(skin) orl-mus 5700mg/kg |
| 6. Hexachloroethane               | 199  | 12604HBV   | 2000                 | 99         | 0.2         | 0.20203           | 0.20213           | 2001.0              | 8.2                                | 67-72-1                                | 1 ppm (10mg/m3/8h)(skin) orl-gpg 4970mg/kg  |
| 7. Methylcyclohexane              | 1627 | 08046KN    | 2000                 | 99         | 0.2         | 0.20203           | 0.20215           | 2001.2              | 8.2                                | 108-87-2                               | N/A                                         |
| 8. Methyl tert-butyl ether (MTBE) | 209  | 02197LJ    | 2000                 | 99.8       | 0.2         | 0.20041           | 0.20055           | 2001.4              | 8.1                                | 1634-04-4                              | N/A orl-rat 4g/kg                           |
| 9. Propionitrile                  | 349  | 1395468    | 20000                | 99         | 0.2         | 2.02030           | 2.02045           | 20001.5             | 81.0                               | 107-12-0                               | N/A orl-rat 38mg/kg                         |
| 10. Tetrahydrofuran               | 380  | SHBH8330   | 10000                | 99.9       | 0.2         | 1.00105           | 1.00120           | 10001.5             | 40.1                               | 109-99-9                               | 20 ppm (590mg/m3/8h) orl-rat 1650mg/kg      |
| 11. 1,2,3,4-Tetramethylbenzene    | 491  | AP01       | 2000                 | 93         | 0.2         | 0.21506           | 0.21520           | 2001.3              | 8.7                                | 488-23-3                               | N/A orl-rat 6408mg/kg                       |

TIC: 95319.D



| Name                           | MSD RT (min.) |
|--------------------------------|---------------|
| Methyl tert-butyl ether (MTBE) | 13.56         |
| Acrylonitrile                  | 13.79         |
| Di-isopropyl ether             | 15.44         |
| Propionitrile                  | 18.53         |
| Tetrahydrofuran                | 20.17         |
| Cyclohexane                    | 20.58         |
| 1-Chlorobutane                 | 20.83         |
| Methylcyclohexane              | 24.84         |
| 1,4-Dioxane                    | 26.84         |
| Hexachloroethane               | 48.44         |
| 1,2,3,4-Tetramethylbenzene     | 51.62         |

## 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, 2023 |

## 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 |
| <br><br> | Signal Word: DANGER                                                                                                           |                                                |                                                                                                                                                                     |

## Section III - Composition

|             |         |                 |          |              |
|-------------|---------|-----------------|----------|--------------|
| Components: | CAS#:   | LD50 Oral - Rat | OSHA PEL | % (optional) |
| Methanol    | 67-56-1 | 2,769 mg/kg     | 200 ppm  | > 99         |

See Certified Weight Report For Other Analytes Present At Trace Quantities.  
INTENDED USE: REFERENCE MATERIAL

## Section IV. FIRST AID MEASURES

**General advice**  
If inhaled  
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
Wash with soap and water. Consult a physician.  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

## Section V. FIREFIGHTING MEASURES

**Flammability**  
Suitable extinguishing media  
Protective equipment for fire  
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.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
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.  
Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).  
Clean up

## Section VII. HANDLING AND STORAGE

**Precautions for safe handling**  
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.  
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  
TWA 200 ppm  
Skin notation  
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

| Section X. STABILITY AND REACTIVITY                       |  |  |  |
|-----------------------------------------------------------|--|--|--|
| Solubility in Water                                       |  |  |  |
| COMPLETE                                                  |  |  |  |
| Appearance and Odor                                       |  |  |  |
| CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR. |  |  |  |
| Boiling Point                                             |  |  |  |
| 65°C                                                      |  |  |  |
| Vapor Pressure (mm Hg)                                    |  |  |  |
| 96                                                        |  |  |  |
| Vapor Density (AIR = 1)                                   |  |  |  |
| 1.11                                                      |  |  |  |
| Melting Point                                             |  |  |  |
| -98°C                                                     |  |  |  |
| Specific Gravity (H <sub>2</sub> O = 1)                   |  |  |  |
| 0.79                                                      |  |  |  |
| Evaporation rate (Butyl Acetate = 1)                      |  |  |  |
| 4.6                                                       |  |  |  |

| Section XI. TOXICOLOGICAL INFORMATION                                                    |  |
|------------------------------------------------------------------------------------------|--|
| 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 XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs. |  |
|--------------------------------------------------------------------------|--|
| LD50 Oral - rat - 5,628 mg/kg                                            |  |
| LC50 Inhalation - rat - 4 h - 6400 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 XIII. DISPOSAL CONSIDERATIONS |  |
|---------------------------------------|--|
| LC50                                  |  |
| 15,400 mg/l - 96 h                    |  |
| EC50                                  |  |
| 24,500.00 mg/l - 48 h                 |  |
| EC100                                 |  |
| 10,000.00 mg/l - 24 h                 |  |

| Section XIV. TRANSPORT INFORMATION         |  |
|--------------------------------------------|--|
| DOT (US)                                   |  |
| UN number: 1280 Class: 3 Packing group: II |  |
| Proper shipping name: Methanol             |  |
| ATA                                        |  |
| UN number: 1280 Class: 3 Packing group: II |  |
| Proper shipping name: Methanol             |  |

| Section XV. REGULATORY INFORMATION                                                                                 |  |
|--------------------------------------------------------------------------------------------------------------------|--|
| OSHA Hazards                                                                                                       |  |
| Flammable liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant |  |
| SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  |  |

| Section XVI. Misc. INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other chemicals or substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance. |  |



CERTIFIED WEIGHT REPORT

Part Number:  
Lot Number:  
Description:

95319  
032922  
Revised Additions Mix

Solvent(s):  
Methanol  
Lot#  
EC592-US

11 components

Expiration Date:

Recommended Storage:

Nominal Concentration (µg/mL):

NIST Test ID#:

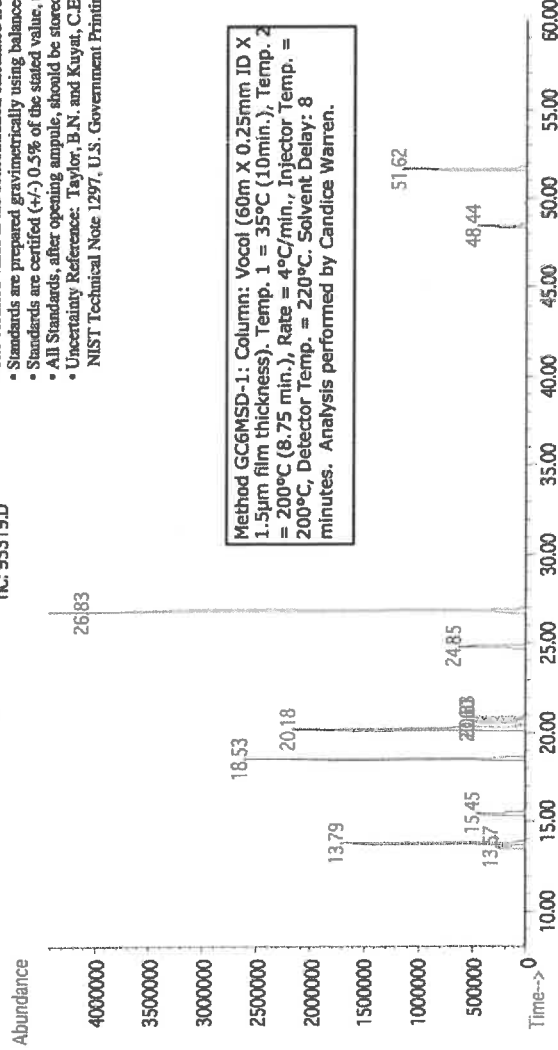
Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty  
0.012 Flask Uncertainty

|                |                  |      |        |
|----------------|------------------|------|--------|
| Formulated By: | Prashant Chauhan | DATE | 032922 |
| Reviewed By:   | Pedro L. Rentas  | DATE | 032922 |

| Compound                          | RM#  | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight (g) | Actual Weight (g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | SDS Information                        |                                             |
|-----------------------------------|------|------------|----------------------|------------|-------------|-------------------|-------------------|---------------------|------------------------------------|----------------------------------------|---------------------------------------------|
|                                   |      |            |                      |            |             |                   |                   |                     |                                    | (Solvent Safety Info. On Attached pg.) | OSHA PEL (TWA)                              |
| 1. Acrylonitrile                  | 7    | 4718CK     | 10000                | 99         | 0.2         | 1.01015           | 1.01030           | 10001.5             | 40.5                               | 107-13-1                               | N/A                                         |
| 2. 1-Chlorobutane                 | 1072 | MKCM5711   | 2000                 | 99.99      | 0.2         | 0.20003           | 0.20020           | 2001.7              | 8.1                                | 109-69-3                               | N/A                                         |
| 3. Cyclohexane                    | 1023 | 28930      | 2000                 | 99         | 0.2         | 0.20203           | 0.20215           | 2001.2              | 8.2                                | 110-82-7                               | 300 ppm (1050mg/m3/8h) orl-rat 2870mg/kg    |
| 4. Di-Isopropyl ether (DIPE)      | 987  | 00412MX    | 2000                 | 99         | 0.2         | 0.20203           | 0.20215           | 2001.2              | 8.2                                | 109-20-3                               | 500 ppm (2100mg/m3/8h) orl-rat 12705mg/kg   |
| 5. 1,4-Dioxane                    | 373  | 03853KE    | 40000                | 99         | 0.2         | 4.04060           | 4.04100           | 40004.0             | 161.9                              | 123-91-1                               | 25 ppm (90mg/m3/8h)(skin) orl-rat 8470mg/kg |
| 6. Hexachloroethane               | 199  | 12604HBV   | 2000                 | 99         | 0.2         | 0.20203           | 0.20213           | 2001.0              | 8.2                                | 67-72-1                                | 1 ppm (10mg/m3/8h)(skin) orl-rat 4970mg/kg  |
| 7. Methylcyclohexane              | 1627 | 08046KN    | 2000                 | 99         | 0.2         | 0.20203           | 0.20215           | 2001.2              | 8.2                                | 108-87-2                               | N/A                                         |
| 8. Methyl tert-butyl ether (MTBE) | 209  | 02197LJ    | 2000                 | 99.8       | 0.2         | 0.20041           | 0.20055           | 2001.4              | 8.1                                | 1634-04-4                              | N/A                                         |
| 9. Propionitrile                  | 349  | 1395468    | 20000                | 99         | 0.2         | 2.02030           | 2.02045           | 20001.5             | 81.0                               | 107-12-0                               | N/A                                         |
| 10. Tetrahydrofuran               | 380  | SHBH8330   | 10000                | 99.9       | 0.2         | 1.00105           | 1.00120           | 10001.5             | 40.1                               | 109-99-9                               | 20 ppm (590mg/m3/8h) orl-rat 38mg/kg        |
| 11. 1,2,3,4-Tetramethylbenzene    | 491  | AP01       | 2000                 | 93         | 0.2         | 0.21506           | 0.21520           | 2001.3              | 8.7                                | 488-23-3                               | N/A                                         |

TIC: 95319.D



| Name                           | MSD RT (min.) |
|--------------------------------|---------------|
| Methyl tert-butyl ether (MTBE) | 13.56         |
| Acrylonitrile                  | 13.79         |
| Di-isopropyl ether             | 15.44         |
| Propionitrile                  | 18.53         |
| Tetrahydrofuran                | 20.17         |
| Cyclohexane                    | 20.58         |
| 1-Chlorobutane                 | 20.83         |
| Methylcyclohexane              | 24.84         |
| 1,4-Dioxane                    | 26.84         |
| Hexachloroethane               | 48.44         |
| 1,2,3,4-Tetramethylbenzene     | 51.62         |

## 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, 2023 |

## 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 |
| <br><br> | Signal Word: DANGER                                                                                                           |                                                |                                                                                                                                                                     |

## Section III - Composition

|             |         |                 |          |              |
|-------------|---------|-----------------|----------|--------------|
| Components: | CAS#:   | LD50 Oral - Rat | OSHA PEL | % (optional) |
| Methanol    | 67-56-1 | 2,769 mg/kg     | 200 ppm  | > 99         |

See Certified Weight Report For Other Analytes Present At Trace Quantities.  
INTENDED USE: REFERENCE MATERIAL

## Section IV. FIRST AID MEASURES

**General advice**  
If inhaled  
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
Wash with soap and water. Consult a physician.  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

## Section V. FIREFIGHTING MEASURES

**Flammability**  
Suitable extinguishing media  
Protective equipment for fire  
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.  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
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.  
Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).  
Clean up

## Section VII. HANDLING AND STORAGE

**Precautions for safe handling**  
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.  
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  
TWA 200 ppm  
Skin notation  
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

| Section X. STABILITY AND REACTIVITY                       |  |  |  |
|-----------------------------------------------------------|--|--|--|
| Solubility in Water                                       |  |  |  |
| COMPLETE                                                  |  |  |  |
| Appearance and Odor                                       |  |  |  |
| CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR. |  |  |  |
| Boiling Point                                             |  |  |  |
| 65°C                                                      |  |  |  |
| Vapor Pressure (mm Hg)                                    |  |  |  |
| 96                                                        |  |  |  |
| Vapor Density (AIR = 1)                                   |  |  |  |
| 1.11                                                      |  |  |  |
| Melting Point                                             |  |  |  |
| -98°C                                                     |  |  |  |
| Specific Gravity (H <sub>2</sub> O = 1)                   |  |  |  |
| 0.79                                                      |  |  |  |

| Section XI. TOXICOLOGICAL INFORMATION                                                    |  |  |  |
|------------------------------------------------------------------------------------------|--|--|--|
| 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 XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs. |  |  |  |
|--------------------------------------------------------------------------|--|--|--|
| LD50 Oral - rat - 5,628 mg/kg                                            |  |  |  |
| LC50 Inhalation - rat - 4 h - 6400 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 XIII. DISPOSAL CONSIDERATIONS |  |  |  |
|---------------------------------------|--|--|--|
| LC50                                  |  |  |  |
| 15,400 mg/l - 96 h                    |  |  |  |
| EC50                                  |  |  |  |
| 24,500.00 mg/l - 48 h                 |  |  |  |
| EC100                                 |  |  |  |
| 10,000.00 mg/l - 24 h                 |  |  |  |

| Section XIV. TRANSPORT INFORMATION         |  |  |  |
|--------------------------------------------|--|--|--|
| DOT (US)                                   |  |  |  |
| UN number: 1280 Class: 3 Packing group: II |  |  |  |
| Proper shipping name: Methanol             |  |  |  |
| ATA                                        |  |  |  |
| UN number: 1280 Class: 3 Packing group: II |  |  |  |
| Proper shipping name: Methanol             |  |  |  |

| Section XV. REGULATORY INFORMATION                                                                                 |  |  |  |
|--------------------------------------------------------------------------------------------------------------------|--|--|--|
| OSHA Hazards                                                                                                       |  |  |  |
| Flammable liquid, Target Organ Effect, Toxic by inhalation, Toxic by ingestion, Toxic by skin absorption, Irritant |  |  |  |
| SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.  |  |  |  |

| Section XVI. Misc. INFORMATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other chemicals or 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: 91980  
Lot Number: 103024  
Description: Acrolein

Expiration Date: 113024  
Recommended Storage: Refrigerate (4 °C)  
Nominal Concentration (µg/mL): 5000  
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty  
0.002 Flask Uncertainty

Solvent(s): Water  
Lot# 072324Q

|                |                 |        |      |
|----------------|-----------------|--------|------|
| Formulated By: | Lawrence Barry  | 103024 | DATE |
| Reviewed By:   | Pedro L. Rentas | 103024 | DATE |

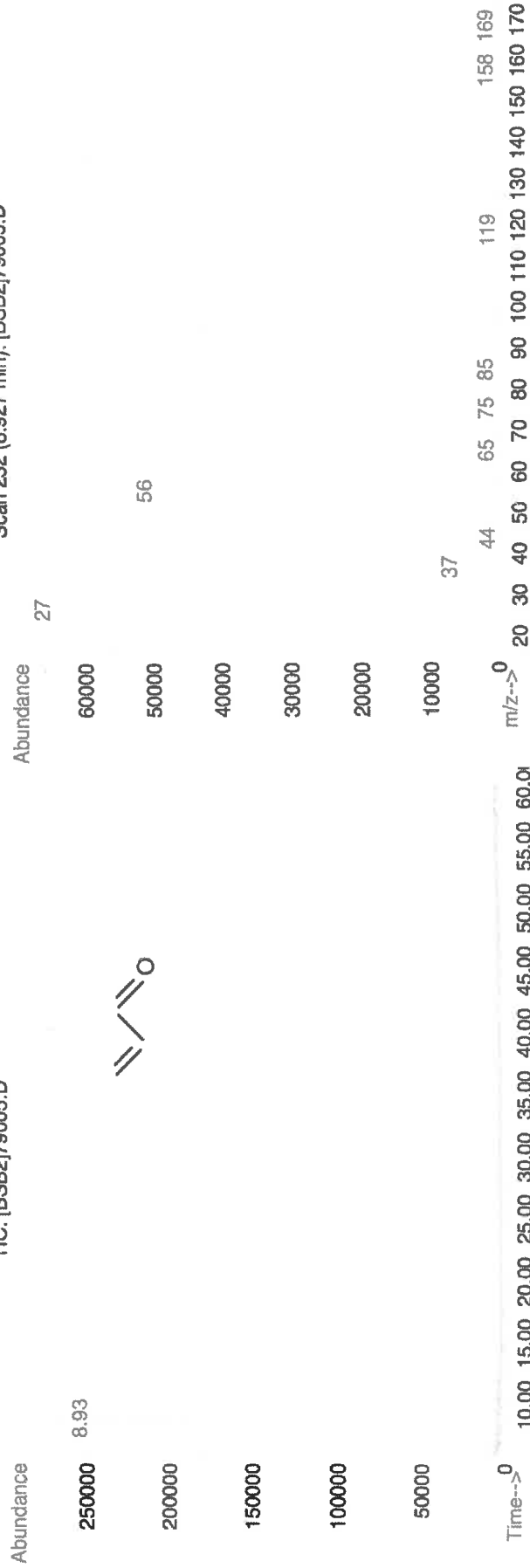
| SDS Information                                             |     |            |                      |            |             |                  |                  |                     |                |
|-------------------------------------------------------------|-----|------------|----------------------|------------|-------------|------------------|------------------|---------------------|----------------|
| Expanded Uncertainty (Solvent Safety Info. On Attached pg.) |     |            |                      |            |             |                  |                  |                     |                |
| Compound                                                    | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | OSHA PEL (TWA) |

|             |   |            |      |    |     |         |         |        |      |          |         |                 |
|-------------|---|------------|------|----|-----|---------|---------|--------|------|----------|---------|-----------------|
| 1. Acrolein | 5 | 103755R02H | 5000 | 97 | 0.5 | 0.10307 | 0.10322 | 5007.0 | 51.9 | 107-02-8 | 0.1 ppm | orl-rat 46mg/kg |
|-------------|---|------------|------|----|-----|---------|---------|--------|------|----------|---------|-----------------|

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D



• 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 WATER

|                     |                                     |                                   |                 |
|---------------------|-------------------------------------|-----------------------------------|-----------------|
| 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

|          |                                      |              |                                               |
|----------|--------------------------------------|--------------|-----------------------------------------------|
| P271     | Use in ventilated area               | H315         | Causes skin and eye irritation.               |
| P302,332 | If on skin, wash with soap and water | P280         | Use gloves, eye protection/face shield        |
|          |                                      | P305,351,338 | If in eyes, remove contacts, rinse with water |



Signal Word: DANGER

## Section III - Composition

|                                                         |                 |              |      |
|---------------------------------------------------------|-----------------|--------------|------|
| Components (Specific Chemical Identity; Common Name(s)) | CAS#: 7732-18-5 | % (optional) | > 97 |
|---------------------------------------------------------|-----------------|--------------|------|

See Certified Weight Report For Other Analytes Present At Trace Quantities.  
INTENDED USE: REFERENCE MATERIAL

## Section IV, FIRST AID MEASURES

**General advice**  
Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.  
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
If in case of skin contact, Wash with soap and water. Consult a physician.  
If in case of eye contact, Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
If swallowed, Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

## Section V, FIREFIGHTING MEASURES

**Suitable extinguishing media**  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
**Protective equipment for fire**  
Wear self contained breathing apparatus for fire fighting if necessary.  
**Hazardous Decomposition products**  
Carbon oxides

## Section VI, ACCIDENTAL RELEASE MEASURES

**Personal precautions**  
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.  
**Environmental precautions**  
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
**Clean up**  
Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

## Section VII, HANDLING AND STORAGE

**Precautions for safe handling**  
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
**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 CONTROL/PERSONAL PROTECTION

**Water**  
CAS#: 7732-18-5  
TWA: 500 ppm  
**Personal protective equipment**  
Respiratory protection  
Handle with gloves. Gloves must be inspected prior to use.  
Eye protection.  
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

## Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

|                        |       |                                         |   |
|------------------------|-------|-----------------------------------------|---|
| Boiling Point          | 100°C | Specific Gravity (H <sub>2</sub> O = 1) | 1 |
| Vapor Pressure (mm Hg) |       | Melting Point                           |   |

|                         |  |                                                    |                                         |     |
|-------------------------|--|----------------------------------------------------|-----------------------------------------|-----|
| Vapor Density (AIR = 1) |  | NA                                                 | Evaporation rate<br>(Butyl Acetate = 1) | 0°C |
| Solubility in Water     |  | Completely miscible                                |                                         |     |
| Appearance and Odor     |  | CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR. |                                         |     |

Section X. STABILITY AND REACTIVITY

Chemical stability  
Stable under recommended storage conditions.  
Possibility of hazardous reactions  
NA  
Conditions to avoid  
NA  
Materials to avoid  
NA  
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat  
NA  
LC50 Inhalation - Rat  
NA  
LD50 Dermal - Guinea pig  
NA  
Causes skin irritation.  
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50  
NA  
EC50  
NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)  
Not dangerous goods  
Proper shipping name: Water  
IATA  
Not dangerous goods  
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warrant 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. RBAID ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980  
Lot Number: 103024  
Description: Acrolein

Expiration Date: 113024  
Recommended Storage: Refrigerate (4 °C)  
Nominal Concentration (µg/mL): 5000  
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty  
0.002 Flask Uncertainty

Solvent(s): Water  
Lot# 072324Q

|                |                 |        |      |
|----------------|-----------------|--------|------|
| Formulated By: | Lawrence Barry  | 103024 | DATE |
| Reviewed By:   | Pedro L. Rentas | 103024 | DATE |

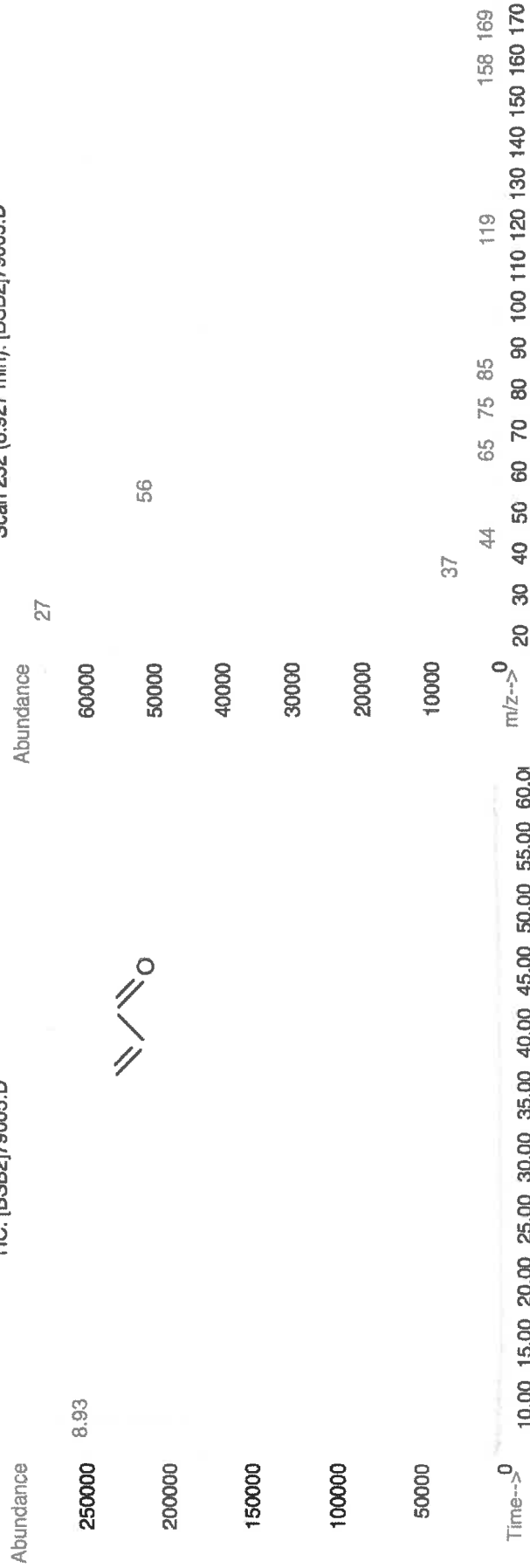
| SDS Information                                             |     |            |                      |            |             |                  |                  |                     |                |
|-------------------------------------------------------------|-----|------------|----------------------|------------|-------------|------------------|------------------|---------------------|----------------|
| Expanded Uncertainty (Solvent Safety Info. On Attached pg.) |     |            |                      |            |             |                  |                  |                     |                |
| Compound                                                    | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Uncertainty | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | OSHA PEL (TWA) |

1. Acrolein 5 103755R02H 5000 97 0.5 0.10307 0.10322 5007.0 51.9 107-02-8 0.1 ppm orl-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D



• 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 WATER

Manufacturer's Name ABSOLUTE STANDARDS INC  
Address 44 Rossotto Dr.  
Hamden CT, 06514  
Emergency Telephone USA & CANADA 1-800-535-5053  
Emergency Telephone International 1-352-323-3500  
Date Prepared/Revised January 1, 2024

Section II - Hazards Identification

P271 Use in ventilated area  
P302,332 If on skin, wash with soap and water  
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
H315 Causes skin and eye irritation.  
P280 Use gloves, eye protection/face shield  
P305,351,338 If in eyes, remove contacts, rinse with water  
Signal Word: DANGER



Section III - Composition

Components (Specific Chemical Identity; Common Name(s))  
CAS#: 7732-18-5  
Water  
% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.  
INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice  
If inhaled  
If in case of skin contact  
If in case of eye contact  
If swallowed  
Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.  
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
Wash with soap and water. Consult a physician.  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Suitable extinguishing media  
Protective equipment for fire  
Hazardous Decomposition products  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Wear self contained breathing apparatus for fire fighting if necessary.  
Carbon oxides

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions  
Environmental precautions  
Clean up  
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.  
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
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  
Storage Conditions  
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Use ventilation. Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.  
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 CONTROL/PERSONAL PROTECTION

Water  
CAS#: 7732-18-5  
TWA: 500 ppm  
Personal protective equipment  
Respiratory protection  
Handle with gloves. Gloves must be inspected prior to use. Eye protection.  
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point  
Specific Gravity (H<sub>2</sub>O = 1)  
Melting Point  
Vapor Pressure (mm Hg)  
1

|                         |  |                                                    |                                         |     |
|-------------------------|--|----------------------------------------------------|-----------------------------------------|-----|
| Vapor Density (AIR = 1) |  | NA                                                 | Evaporation rate<br>(Butyl Acetate = 1) | 0°C |
| Solubility in Water     |  | Completely miscible                                |                                         |     |
| Appearance and Odor     |  | CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR. |                                         |     |

Section X. STABILITY AND REACTIVITY

Chemical stability  
Stable under recommended storage conditions.  
Possibility of hazardous reactions  
NA  
Conditions to avoid  
NA  
Materials to avoid  
NA  
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat  
NA  
LC50 Inhalation - Rat  
NA  
LD50 Dermal - Guinea pig  
NA  
Causes skin irritation.  
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50  
NA  
EC50  
NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)  
Not dangerous goods  
Proper shipping name: Water  
IATA  
Not dangerous goods  
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warrant 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. RBAID ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



Certified Reference Material CRM



CERTIFIED WEIGHT REPORT

Part Number: 91980  
Lot Number: 103024  
Description: Acrolein

Expiration Date: 113024  
Recommended Storage: Refrigerate (4 °C)  
Nominal Concentration (µg/mL): 5000  
NIST Test ID#: 6UTB

Weight(s) shown below were combined and diluted to (mL):

5E-05 Balance Uncertainty  
0.002 Flask Uncertainty

Solvent(s): Water  
Lot# 072324Q

|                |                 |        |      |
|----------------|-----------------|--------|------|
| Formulated By: | Lawrence Barry  | 103024 | DATE |
| Reviewed By:   | Pedro L. Rentas | 103024 | DATE |

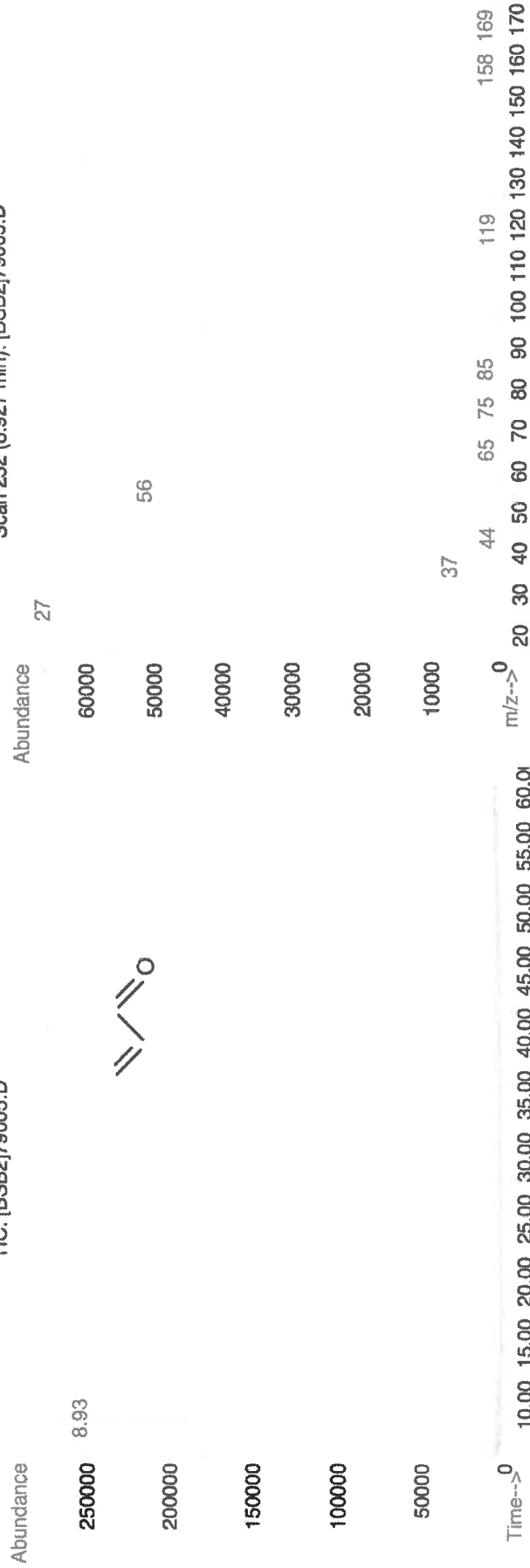
| Compound | RM# | Lot Number | Nominal Conc (µg/mL) | Purity (%) | Purity Uncertainty | Target Weight(g) | Actual Weight(g) | Actual Conc (µg/mL) | Expanded Uncertainty (+/-) (µg/mL) | CAS# | OSHA PEL (TWA) | LD50 |
|----------|-----|------------|----------------------|------------|--------------------|------------------|------------------|---------------------|------------------------------------|------|----------------|------|
|----------|-----|------------|----------------------|------------|--------------------|------------------|------------------|---------------------|------------------------------------|------|----------------|------|

1. Acrolein 5 103755R02H 5000 97 0.5 0.10307 0.10322 5007.0 51.9 107-02-8 0.1 ppm orl-rat 46mg/kg

Method: GC6MSD-1. Detector: Mass Selective Detector (Scan mode). Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Oven Profile: Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2 = 200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. Analyst: Pedro Rentas. NOTE: Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately. Long term storage is not recommended. Please contact our technical department if further information is required.

TIC: [BSB2]79005.D

Scan 232 (8.927 min): [BSB2]79005.D



- 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 WATER

Manufacturer's Name ABSOLUTE STANDARDS INC  
Address 44 Rossotto Dr.  
Hamden CT, 06514  
Emergency Telephone USA & CANADA 1-800-535-5053  
Emergency Telephone International 1-352-323-3500  
Date Prepared/Revised January 1, 2024

Section II - Hazards Identification

P271 Use in ventilated area  
P302,332 If on skin, wash with soap and water  
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)  
H315 Causes skin and eye irritation.  
P280 Use gloves, eye protection/face shield  
P305,351,338 If in eyes, remove contacts, rinse with water  
Signal Word: DANGER



Section III - Composition

Components (Specific Chemical Identity; Common Name(s))  
CAS#: 7732-18-5  
Water  
% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.  
INTENDED USE: REFERENCE MATERIAL

Section IV, FIRST AID MEASURES

General advice  
If inhaled  
If in case of skin contact  
If in case of eye contact  
If swallowed  
Consult a physician. Show this safety data sheet to the doctor in attendance. Move to safe area.  
If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
Wash with soap and water. Consult a physician.  
Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.  
Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V, FIREFIGHTING MEASURES

Suitable extinguishing media  
Protective equipment for fire  
Hazardous Decomposition products  
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.  
Wear self contained breathing apparatus for fire fighting if necessary.  
Carbon oxides

Section VI, ACCIDENTAL RELEASE MEASURES

Personal precautions  
Environmental precautions  
Clean up  
Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.  
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.  
Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII, HANDLING AND STORAGE

Precautions for safe handling  
Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.  
Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.  
Storage Conditions  
Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII, EXPOSURE CONTROL/PERSONAL PROTECTION

Water  
CAS#: 7732-18-5  
TWA: 500 ppm  
Personal protective equipment  
Respiratory protection  
Handle with gloves. Gloves must be inspected prior to use. Eye protection.  
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point  
Specific Gravity (H<sub>2</sub>O = 1)  
Melting Point  
Vapor Pressure (mm Hg)  
1



|                         |  |                                                    |                                         |     |
|-------------------------|--|----------------------------------------------------|-----------------------------------------|-----|
| Vapor Density (AIR = 1) |  | NA                                                 | Evaporation rate<br>(Butyl Acetate = 1) | 0°C |
| Solubility in Water     |  | Completely miscible                                |                                         |     |
| Appearance and Odor     |  | CLEAR, COLORLESS LIQUID WITH SLIGHT CHEMICAL ODOR. |                                         |     |

Section X. STABILITY AND REACTIVITY

Chemical stability  
Stable under recommended storage conditions.  
Possibility of hazardous reactions  
NA  
Conditions to avoid  
NA  
Materials to avoid  
NA  
Hazardous decomposition products - No data available

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - Rat  
NA  
LC50 Inhalation - Rat  
NA  
LD50 Dermal - Guinea pig  
NA  
Causes skin irritation.  
Eye irritation

Section XII. ECOLOGICAL INFORMATION

LC50  
NA  
EC50  
NA

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)  
Not dangerous goods  
Proper shipping name: Water  
IATA  
Not dangerous goods  
Proper shipping name: Water

Section XV. REGULATORY INFORMATION

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warrant 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. RBAID ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Material Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.



**CERTIFIED WEIGHT REPORT**

**Part Number:** 95318  
**Lot Number:** 121321  
**Description:** 2-Chloroethyl vinyl ether

**Solvent(s):** Methanol  
**Lot#** EA899-US

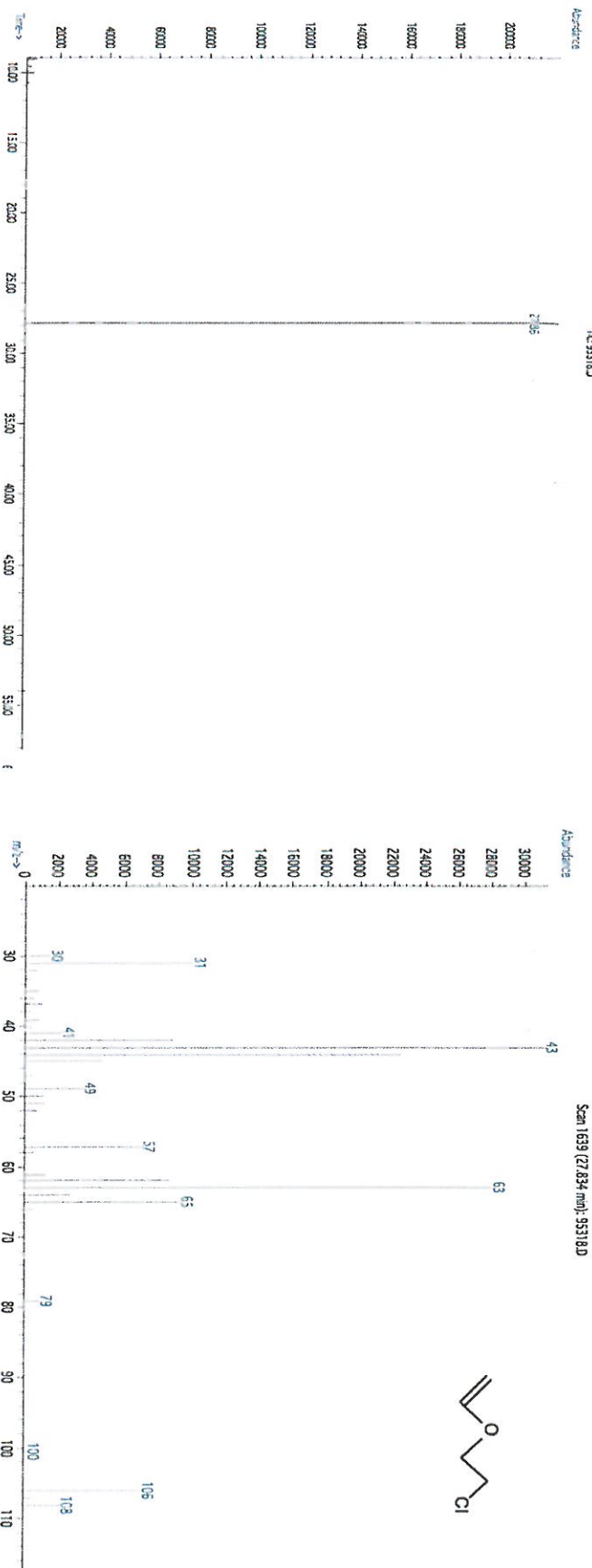
**Expiration Date:** 121324  
**Recommended Storage:** Refrigerate (4 °C)  
**Nominal Concentration (µg/mL):** 10000  
**NIST Test ID#:** 6UTB  
**Weight(s) shown below were combined and diluted to (mL):** 30.0  
**5E-05 Balance Uncertainty**  
**0.0003 Flask Uncertainty**

|                |                 |        |
|----------------|-----------------|--------|
| Formulated By: | Benson Chan     | 121321 |
| Reviewed By:   | Pedro L. Rentas | 121321 |
|                |                 | 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) | (Solvent Safety Info. On Attached pg.) | CAS# | OSHA PEL (TWA) | LD50 |
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|------------------------------|----------------------------------------|------|----------------|------|
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|------------------------------|----------------------------------------|------|----------------|------|

1. 2-Chloroethyl vinyl ether 74 MKCD0033 10000 99 0.2 0.30320 0.30411 10030.2 40.7 110-75-8 N/A or rat 250mg/kg

**Method:** GC/MSD-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).



**CERTIFIED WEIGHT REPORT**

**Part Number:** 95318  
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**Solvent(s):** Methanol  
**Lot#** EA899-US

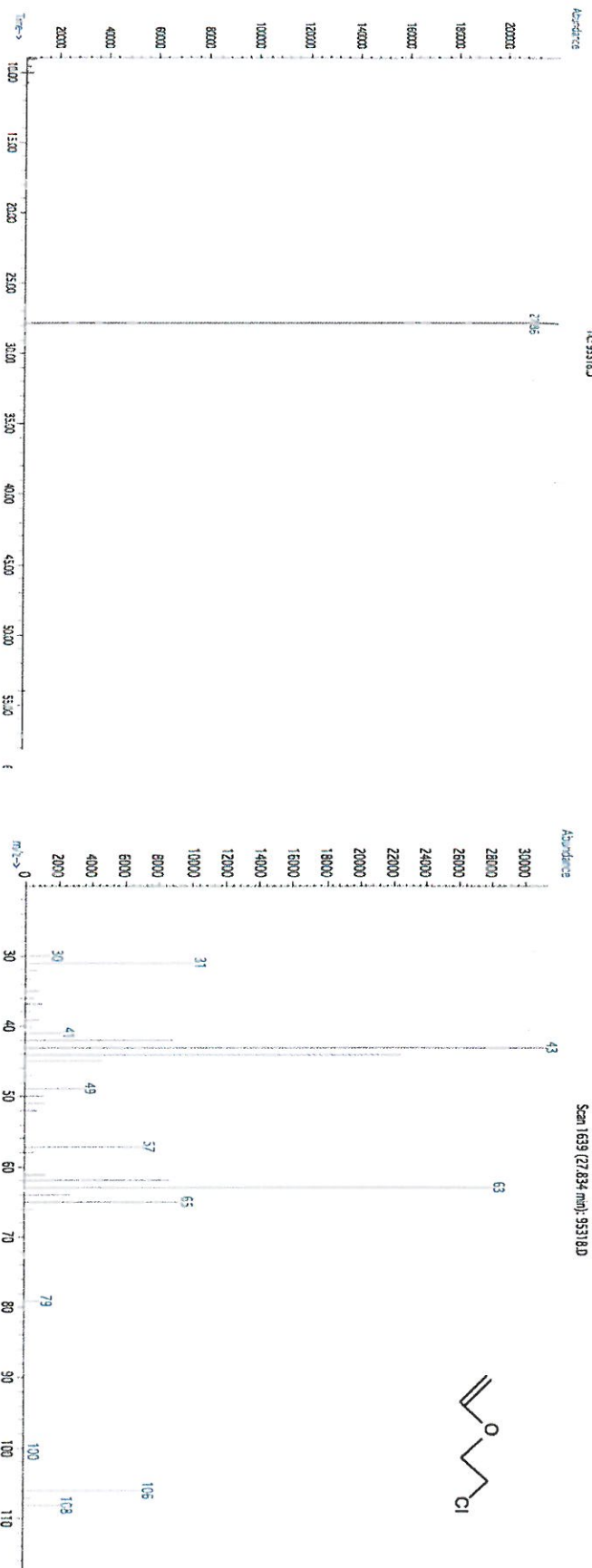
**Expiration Date:** 121324  
**Recommended Storage:** Refrigerate (4 °C)  
**Nominal Concentration (µg/mL):** 10000  
**NIST Test ID#:** 6UTB  
**Weight(s) shown below were combined and diluted to (mL):** 30.0  
**5E-05 Balance Uncertainty**  
**0.0003 Flask Uncertainty**

|                |                 |        |
|----------------|-----------------|--------|
| Formulated By: | Benson Chan     | 121321 |
| Reviewed By:   | Pedro L. Rentas | 121321 |
|                |                 | 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) | (Solvent Safety Info. On Attached pg.) | CAS# | OSHA PEL (TWA) | LD50 |
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|------------------------------|----------------------------------------|------|----------------|------|
|----------|-----|------------|----------------------|------------|--------------------|-------------------|-------------------|---------------------|------------------------------|----------------------------------------|------|----------------|------|

1. 2-Chloroethyl vinyl ether 74 MKCD0033 10000 99 0.2 0.30320 0.30411 10030.2 40.7 110-75-8 N/A or rat 250mg/kg

**Method:** GC/MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min.,  
**Injector B Temp= 200°C, Detector B Temp. = 220°C. Analyst:** Candice Warren.



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- Uncertainty Reference: Taylor, B.N., and Kuyal, 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).



110 Benner Circle  
Bellefonte, PA 16823-8812  
Tel: (800)356-1688  
Fax: (814)353-1309

www.restek.com

## CERTIFIED REFERENCE MATERIAL

### Certificate of Analysis



#### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

Catalog No. : 30470 Lot No.: A0181905  
Description : tert-Butanol Standard  
tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul  
Container Size : 2 mL Pkg Amt: > 1 mL  
Expiration Date : February 28, 2025 Storage: 0°C or colder  
Ship: Ambient

#### CERTIFIED VALUES

| Elution Order | Compound                                                            | Grav. Conc.<br>(weight/volume) | Expanded Uncertainty<br>(95% C.L.; K=2) |            |       |             |
|---------------|---------------------------------------------------------------------|--------------------------------|-----------------------------------------|------------|-------|-------------|
| 1             | tert-Butanol (TBA)<br>CAS # 75-65-0<br>Purity 99%<br>(Lot SHBM7694) | 50,126.0 µg/mL                 | +/-                                     | 293.4988   | µg/mL | Gravimetric |
|               |                                                                     |                                | +/-                                     | 1,073.7654 | µg/mL | Unstressed  |
|               |                                                                     |                                | +/-                                     | 1,104.9494 | µg/mL | Stressed    |

Solvent: P&T Methanol  
CAS # 67-56-1  
Purity 99%

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

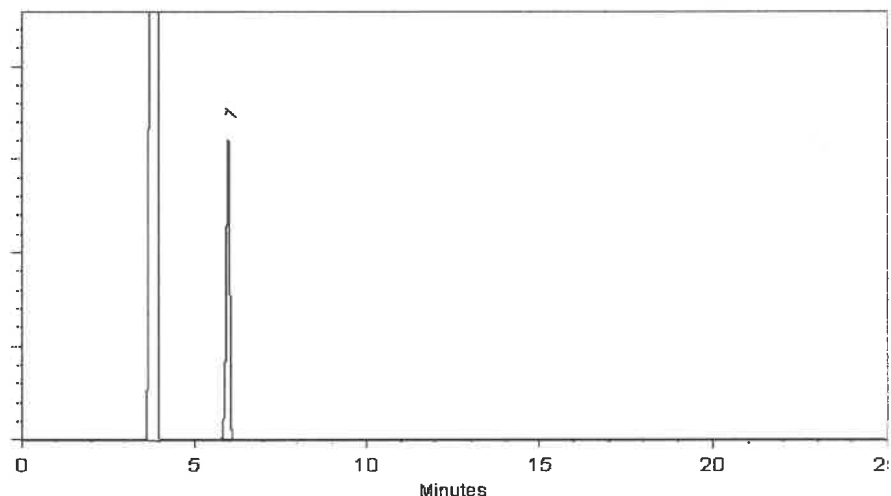
200°C

**Det. Temp:**

250°C

**Det. Type:**

FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

John Friedline - Operations Technician I

Date Mixed: 16-Feb-2022

Balance: B442140311

Marlene Cowan - Operations Tech I

Date Passed: 21-Feb-2022

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value ( includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us) for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

| Label Conditions                                          | Standard Conditions | Non-Standard Conditions |
|-----------------------------------------------------------|---------------------|-------------------------|
| 25°C Nominal (Room Temperature)                           | < 60°C              | ≥ 60°C up to 7 days     |
| 10°C or colder (Refrigerate)                              | < 40°C              | ≥ 40°C up to 7 days     |
| 0°C or colder (Freezer)<br>-20°C or colder (Deep Freezer) | < 25°C              | ≥ 25°C up to 7 days     |

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at [www.restek.com/Contact-Us](http://www.restek.com/Contact-Us).
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.





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:**

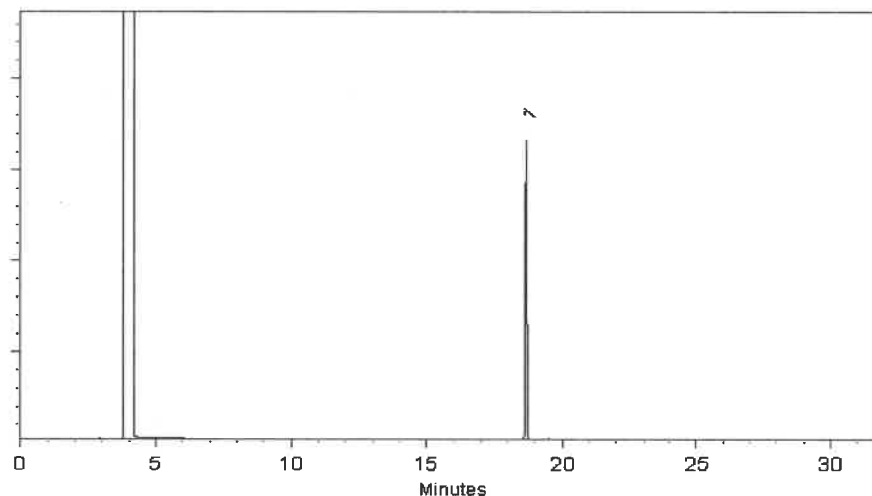
FID

**Split Vent:**

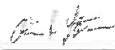
40 ml/min

**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.



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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. :** 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:**

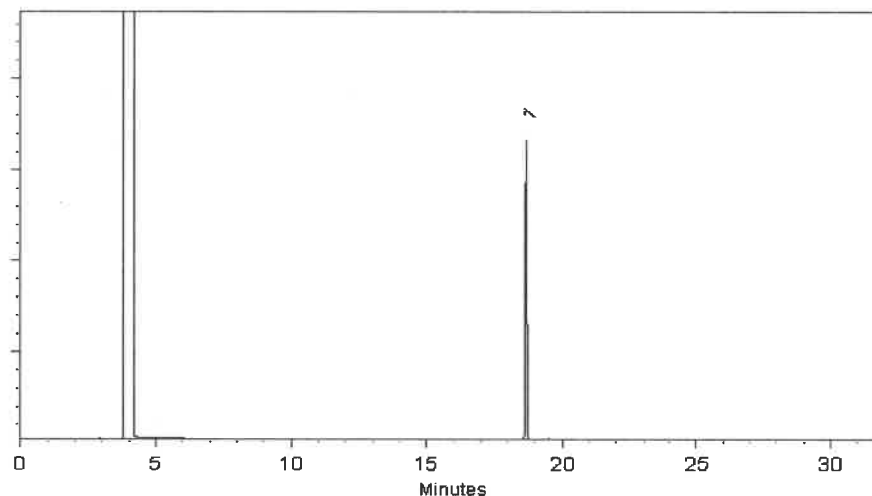
FID

**Split Vent:**

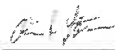
40 ml/min

**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.



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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. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard  
Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound           | CAS #   | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------|---------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Bromochloromethane | 74-97-5 | 00008541 | 99%    | 2,018.0 µg/mL               | +/- 113.3890                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

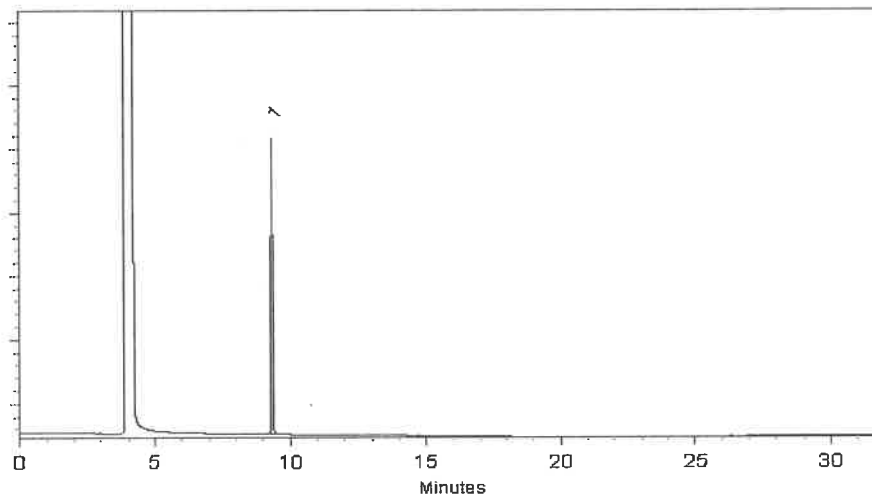
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022      Balance Serial #      B707717271

  
Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### 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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CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

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**FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.**

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30225 **Lot No.:** A0193071

**Description :** Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** December 31, 2027 **Storage:** 0°C or colder

**Ship:** Ambient

CERTIFIED VALUES

| Elution Order | Compound           | CAS #   | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|--------------------|---------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Bromochloromethane | 74-97-5 | 00008541 | 99%    | 2,018.0 µg/mL               | +/- 113.3890                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol

**CAS #** 67-56-1

**Purity** 99%



## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

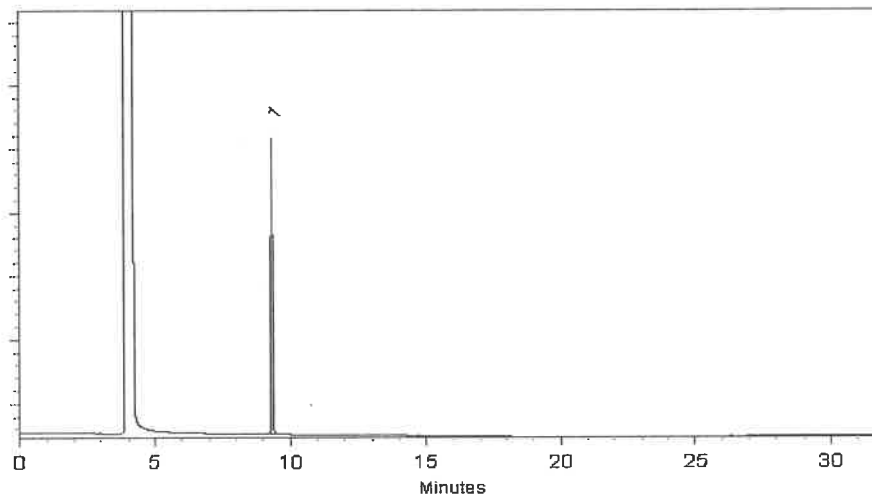
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022      Balance Serial #      B707717271

  
Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

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## CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

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### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30042 **Lot No.:** A0194279

**Description :** 502.2 Calibration Mix #1  
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2029 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                         | CAS #   | Lot #           | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|----------------------------------|---------|-----------------|--------|-----------------------------|----------------------------------------|
| 1             | Dichlorodifluoromethane (CFC-12) | 75-71-8 | 00012554        | 99%    | 2,001.5 µg/mL               | +/- 112.7231                           |
| 2             | Chloromethane (methyl chloride)  | 74-87-3 | SHBK6571        | 99%    | 2,001.2 µg/mL               | +/- 112.5863                           |
| 3             | Vinyl chloride                   | 75-01-4 | 00015559        | 99%    | 2,001.4 µg/mL               | +/- 112.6561                           |
| 4             | Bromomethane (methyl bromide)    | 74-83-9 | 101604          | 99%    | 2,006.4 µg/mL               | +/- 112.8262                           |
| 5             | Chloroethane (ethyl chloride)    | 75-00-3 | 107-401039114-1 | 99%    | 2,001.9 µg/mL               | +/- 112.5897                           |
| 6             | Trichlorofluoromethane (CFC-11)  | 75-69-4 | MKCL8411        | 99%    | 2,000.8 µg/mL               | +/- 112.6473                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

60m x 0.25mm x 1.4µm  
Rtx-502.2 (cat.#10916)

**Carrier Gas:**

helium-constant flow 2.0 mL/min.

**Temp. Program:**

40°C (hold 6 min.) to 100°C  
@ 6°C/min.

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

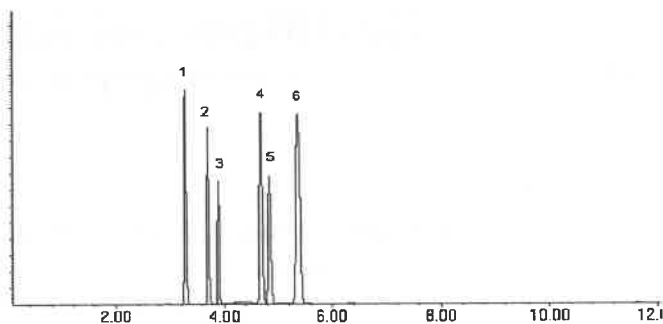
MSD

**Split Vent:**

Split ratio 10:1

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023

Balance Serial # B707717271

  
Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ 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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### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 30042 **Lot No.:** A0194279

**Description :** 502.2 Calibration Mix #1  
502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** October 31, 2029 **Storage:** 0°C or colder

**Ship:** Ambient

### CERTIFIED VALUES

| Elution Order | Compound                         | CAS #   | Lot #           | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|----------------------------------|---------|-----------------|--------|-----------------------------|----------------------------------------|
| 1             | Dichlorodifluoromethane (CFC-12) | 75-71-8 | 00012554        | 99%    | 2,001.5 µg/mL               | +/- 112.7231                           |
| 2             | Chloromethane (methyl chloride)  | 74-87-3 | SHBK6571        | 99%    | 2,001.2 µg/mL               | +/- 112.5863                           |
| 3             | Vinyl chloride                   | 75-01-4 | 00015559        | 99%    | 2,001.4 µg/mL               | +/- 112.6561                           |
| 4             | Bromomethane (methyl bromide)    | 74-83-9 | 101604          | 99%    | 2,006.4 µg/mL               | +/- 112.8262                           |
| 5             | Chloroethane (ethyl chloride)    | 75-00-3 | 107-401039114-1 | 99%    | 2,001.9 µg/mL               | +/- 112.5897                           |
| 6             | Trichlorofluoromethane (CFC-11)  | 75-69-4 | MKCL8411        | 99%    | 2,000.8 µg/mL               | +/- 112.6473                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

## Quality Confirmation Test

**Column:**

60m x 0.25mm x 1.4µm  
Rtx-502.2 (cat.#10916)

**Carrier Gas:**

helium-constant flow 2.0 mL/min.

**Temp. Program:**

40°C (hold 6 min.) to 100°C  
@ 6°C/min.

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

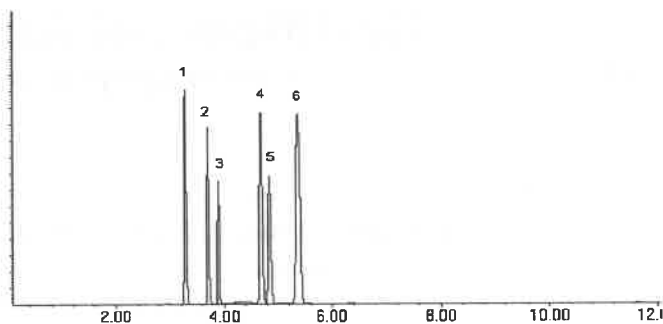
MSD

**Split Vent:**

Split ratio 10:1

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Tom Suckar - Mix Technician

Date Mixed: 03-Feb-2023

Balance Serial # B707717271

  
Christie Mills - Operations Tech II - ARM QC

Date Passed: 07-Feb-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/ $\mu$ 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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## 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. :** 555582 **Lot No.:** A0196865

**Description :** Custom 8260A/B Surrogate Mix  
Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol,  
1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** April 30, 2026 **Storage:** 10°C or colder

**Ship:** Ambient

#### CERTIFIED VALUES

| Component # | Compound                      | CAS #      | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|-------------|-------------------------------|------------|----------|--------|-----------------------------|----------------------------------------|
| 1           | 1,2-Dichloroethane-d4         | 17060-07-0 | PR-32845 | 99%    | 25,036.0 µg/mL              | +/- 1,417.9179                         |
| 2           | 1-Bromo-4-fluorobenzene (BFB) | 460-00-4   | 184975   | 99%    | 25,132.0 µg/mL              | +/- 1,423.3549                         |
| 3           | Dibromofluoromethane          | 1868-53-7  | 022013   | 99%    | 25,040.0 µg/mL              | +/- 1,418.1445                         |
| 4           | Toluene-d8                    | 2037-26-5  | PR-33397 | 99%    | 25,028.0 µg/mL              | +/- 1,417.4648                         |

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

Russ Bookhamer - Operations Technician I

**Date Mixed:** 11-Apr-2023

**Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- 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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Fax: 1-814-353-1309

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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:**

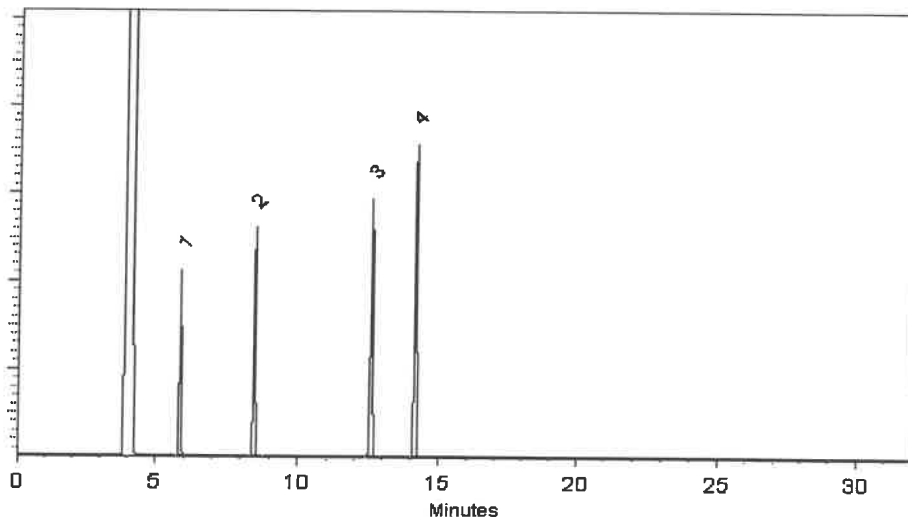
FID

**Split Vent:**

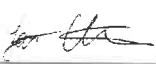
40 ml/min

**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:

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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:**

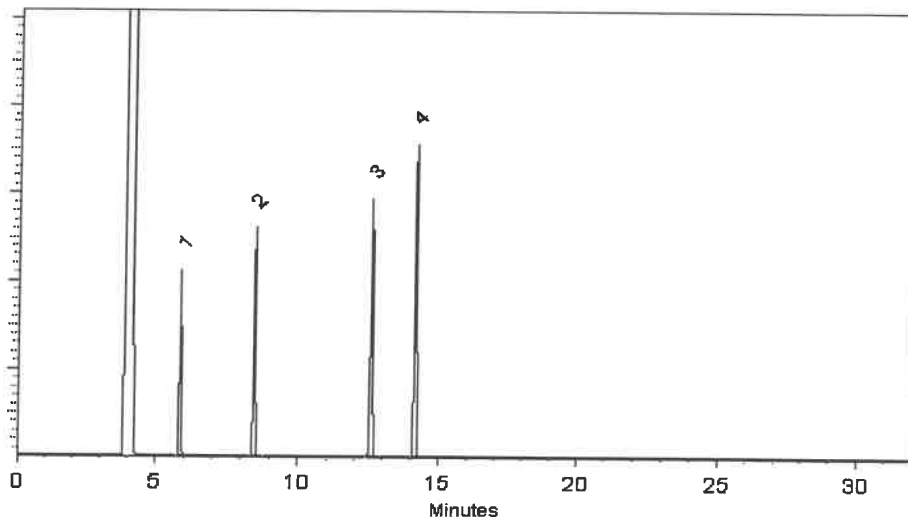
FID

**Split Vent:**

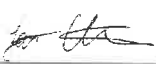
40 ml/min

**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:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

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$k$  is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

### Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

### Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



## FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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**Catalog No. :** 30006 **Lot No.:** A0200785

**Description :** VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** November 30, 2026 **Storage:** 0°C or colder

**Ship:** Ambient

## CERTIFIED VALUES

| Elution Order | Compound                    | CAS #    | Lot #    | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-----------------------------|----------|----------|--------|-----------------------------|----------------------------------------|
| 1             | Acetone                     | 67-64-1  | SHBP8774 | 99%    | 5,018.5 µg/mL               | +/- 173.4162                           |
| 2             | 2-Butanone (MEK)            | 78-93-3  | SHBL5543 | 99%    | 5,016.0 µg/mL               | +/- 173.3298                           |
| 3             | 4-Methyl-2-pentanone (MIBK) | 108-10-1 | SHBP4724 | 99%    | 5,010.7 µg/mL               | +/- 173.1455                           |
| 4             | 2-Hexanone                  | 591-78-6 | MKCQ6663 | 99%    | 5,015.0 µg/mL               | +/- 173.2952                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol/Water (90:10)  
**CAS #** 67-56-1/7732-18-5  
**Purity** 99%

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

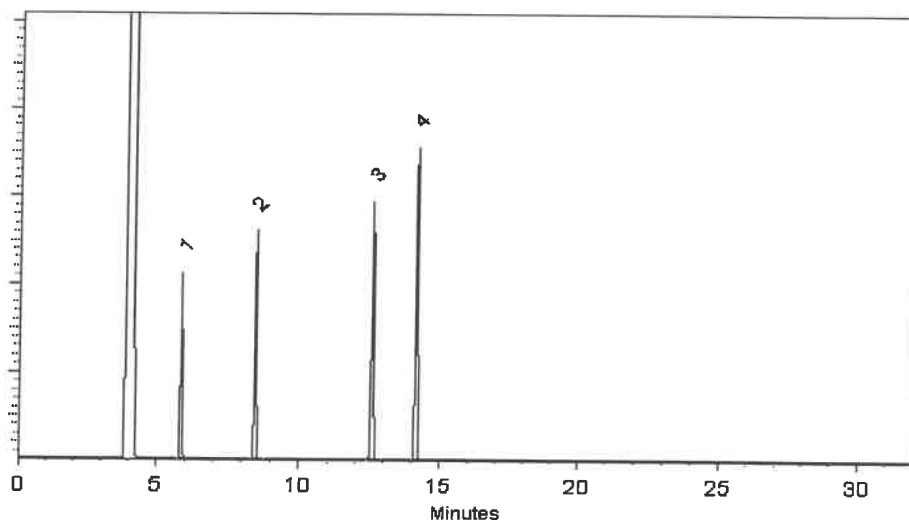
FID

**Split Vent:**

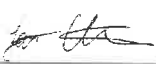
40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Laith Clemente - Operations Technician I

Date Mixed: 09-Aug-2023

Balance Serial # B707717271

  
Marlina Cowan - Operations Tech II ARM QC

Date Passed: 16-Aug-2023

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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### Manufacturing Notes:

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### Handling Notes:

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12  
CERTIFIED REFERENCE MATERIAL

## Certificate of Analysis

chromatographic



### FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

*This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.*

**Catalog No. :** 555408-SL **Lot No.:** A0205179  
**Description :** Custom Vinyl Acetate Standard  
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** June 30, 2025 **Storage:** -20°C or colder  
**Handling:** This product is photosensitive. **Ship:** On Ice

### CERTIFIED VALUES

| Elution Order | Compound      | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|---------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Vinyl acetate | 108-05-4 | RP231030CTH | 98%    | 8,075.2 µg/mL               | +/- 279.1159                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

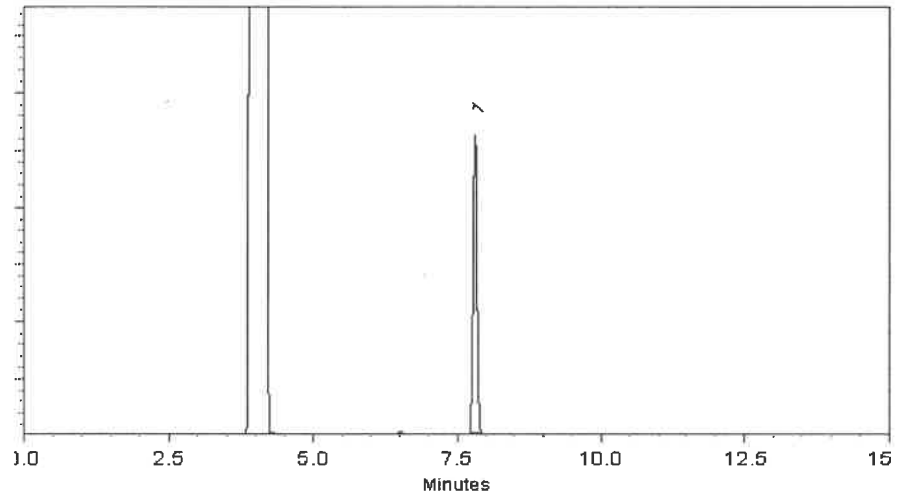
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

  
Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023

Balance Serial # 1127510105

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED  
By: Jennifer Pollino (Date: 11-Dec-2023)

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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- 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.
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- Purity values are rounded to the nearest whole number.

### Certified Uncertainty Value Notes:

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### Manufacturing Notes:

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### Handling Notes:

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## Certificate of Analysis

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**Catalog No. :** 555408-SL **Lot No.:** A0205179  
**Description :** Custom Vinyl Acetate Standard  
Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul  
**Container Size :** 2 mL **Pkg Amt:** > 1 mL  
**Expiration Date :** June 30, 2025 **Storage:** -20°C or colder  
**Handling:** This product is photosensitive. **Ship:** On Ice

### CERTIFIED VALUES

| Elution Order | Compound      | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|---------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Vinyl acetate | 108-05-4 | RP231030CTH | 98%    | 8,075.2 µg/mL               | +/- 279.1159                           |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

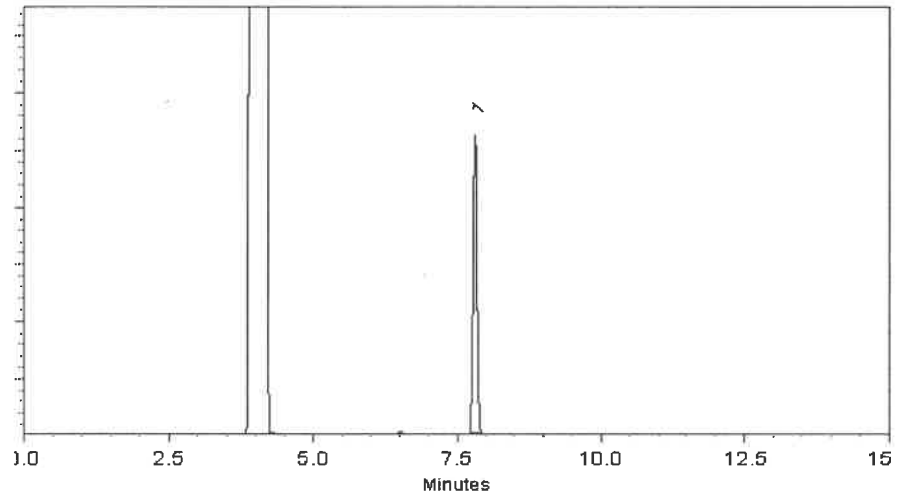
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



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Daniel Wasson - Operations Tech I

Date Mixed: 06-Dec-2023

Balance Serial # 1127510105

  
Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 11-Dec-2023

APPROVED  
By: Jennifer Pollino (Date: 11-Dec-2023)

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## General Certified Reference Material Notes

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- 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

$k$  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. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix  
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

### CERTIFIED VALUES

| Elution Order | Compound          | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Methyl acetate    | 79-20-9  | SHBP3100    | 99%    | 2,019.3 µg/mL               | +/- 69.7974                            |
| 2             | Vinyl acetate     | 108-05-4 | RP231030CTH | 98%    | 2,016.8 µg/mL               | +/- 69.7112                            |
| 3             | Ethyl acetate     | 141-78-6 | SHBQ9682    | 99%    | 2,010.7 µg/mL               | +/- 69.4979                            |
| 4             | Isopropyl acetate | 108-21-4 | BCCG7069    | 99%    | 2,016.0 µg/mL               | +/- 69.6822                            |
| 5             | Propyl acetate    | 109-60-4 | P8XLN       | 99%    | 2,008.0 µg/mL               | +/- 69.4057                            |
| 6             | Butyl acetate     | 123-86-4 | SHBP6314    | 99%    | 2,007.3 µg/mL               | +/- 69.3826                            |
| 7             | Amyl acetate      | 628-63-7 | 41325/1     | 97%    | 2,004.7 µg/mL               | +/- 69.2905                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

## Quality Confirmation Test

**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

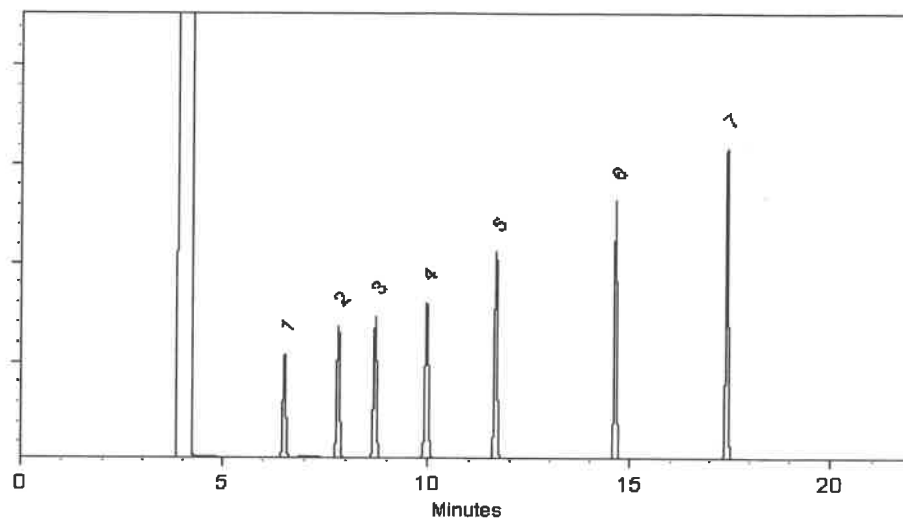
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

*Dillon Murphy*  
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
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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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www.restek.com

CERTIFIED REFERENCE MATERIAL

# Certificate of Analysis

chromatographic plus



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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**Catalog No. :** 30489 **Lot No.:** A0209618

**Description :** 8260B Acetates Mix  
8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

**Container Size :** 2 mL **Pkg Amt:** > 1 mL

**Expiration Date :** September 30, 2025 **Storage:** -20°C or colder

**Handling:** This product is photosensitive. **Ship:** On Ice

## CERTIFIED VALUES

| Elution Order | Compound          | CAS #    | Lot #       | Purity | Grav. Conc. (weight/volume) | Expanded Uncertainty * (95% C.L.; K=2) |
|---------------|-------------------|----------|-------------|--------|-----------------------------|----------------------------------------|
| 1             | Methyl acetate    | 79-20-9  | SHBP3100    | 99%    | 2,019.3 µg/mL               | +/- 69.7974                            |
| 2             | Vinyl acetate     | 108-05-4 | RP231030CTH | 98%    | 2,016.8 µg/mL               | +/- 69.7112                            |
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| 7             | Amyl acetate      | 628-63-7 | 41325/1     | 97%    | 2,004.7 µg/mL               | +/- 69.2905                            |

\* Expanded Uncertainty displayed in same units as Grav. Conc.

**Solvent:** P&T Methanol  
**CAS #** 67-56-1  
**Purity** 99%

### Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods. Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

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**Column:**

105m x 0.53mm x 3.0µm  
Rtx-502.2 (cat.#10910)

**Carrier Gas:**

hydrogen-constant pressure 11.0 psi.

**Temp. Program:**

40°C (hold 2 min.) to 240°C  
@ 8°C/min. (hold 5 min.)

**Inj. Temp:**

200°C

**Det. Temp:**

250°C

**Det. Type:**

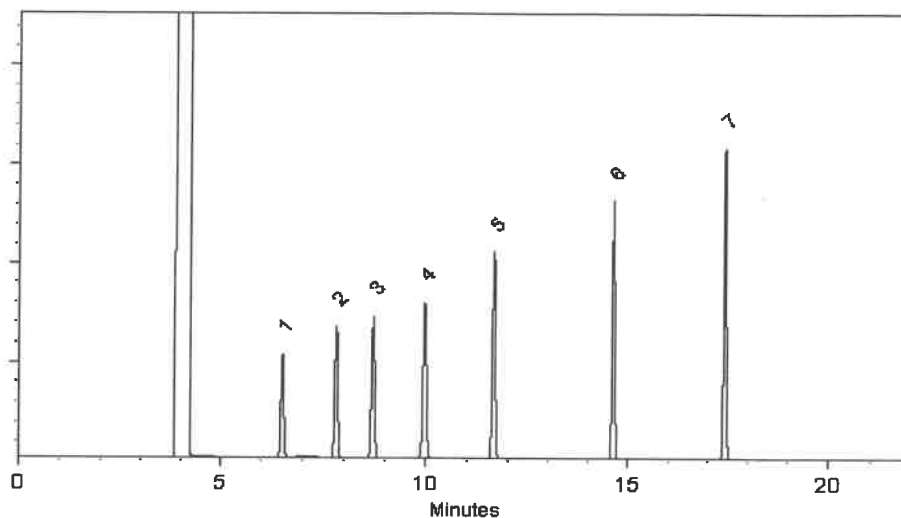
FID

**Split Vent:**

40 ml/min

**Inj. Vol**

1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

*Sam Moodler*  
Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024

Balance Serial # B707717271

*Dillon Murphy*  
Dillon Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397

## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

### Purity Notes:

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### Manufacturing Notes:

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### Handling Notes:

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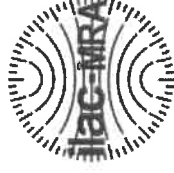
110 Benner Circle  
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Fax: 1-814-353-1309

www.restek.com

## 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.<br>(weight/volume) | Expanded<br>Uncertainty *<br>(95% C.L.; K=2) |
|-------------|------------------------|-----------|----------|--------|--------------------------------|----------------------------------------------|
| 1           | 1,4-Dichlorobenzene-d4 | 3855-82-1 | PR-30447 | 99%    | 25,212.0 µg/mL                 | +/- 1,427.8857                               |
| 2           | 1,4-Difluorobenzene    | 540-36-3  | MKCS8657 | 99%    | 25,220.0 µg/mL                 | +/- 1,428.3388                               |
| 3           | Chlorobenzene-d5       | 3114-55-4 | PR-31132 | 99%    | 25,116.0 µg/mL                 | +/- 1,422.4487                               |
| 4           | Pentafluorobenzene     | 363-72-4  | MKCR9383 | 99%    | 25,180.0 µg/mL                 | +/- 1,426.0734                               |

Solvent: P&T Methanol  
CAS # 67-56-1  
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 Balance: 1127510105



Manufactured under Restek's ISO 9001:2015  
Registered Quality System  
Certificate #FM 80397



## General Certified Reference Material Notes

### Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis



Material No.: 9077-02  
Batch No.: 22L0562016  
Manufactured Date: 2022-10-26  
Expiration Date: 2025-10-25  
Revision No.: 0

## Certificate of Analysis

| Test                                                    | Specification | Result   |
|---------------------------------------------------------|---------------|----------|
| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
| Residue after Evaporation                               | ≤ 1.0 ppm     | 0.2 ppm  |
| Titration Acid (μeq/g)                                  | ≤ 0.3         | 0.2      |
| 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 Ethier  
Vice President Global Quality

Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis



Material No.: 9077-02  
Batch No.: 22L0562016  
Manufactured Date: 2022-10-26  
Expiration Date: 2025-10-25  
Revision No.: 0

## Certificate of Analysis

| Test                                                    | Specification | Result   |
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| Assay (CH <sub>3</sub> OH) (by GC, corrected for water) | ≥ 99.9 %      | 100.0 %  |
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Methanol  
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Methanol  
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Jamie Ethier  
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Methanol  
ULTRA RESI-ANALYZED  
For Purge and Trap Analysis



Material No.: 9077-02  
Batch No.: 22L0562016  
Manufactured Date: 2022-10-26  
Expiration Date: 2025-10-25  
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Jamie Ethier  
Vice President Global Quality



# SHIPPING DOCUMENTS

# CHEMTECH

## CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092  
(908) 789-8900 • Fax (908) 789-8922  
www.chemtech.net

CHEMTECH PROJECT NO. **P4873**  
QUOTE NO.  
COC Number **2042605**

### CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: **EA Engineering**  
ADDRESS: **333 West Washington St**  
CITY: **Syracuse** STATE: **NY** ZIP: **13202**  
ATTENTION: **Jim Hayward**  
PHONE: **315 431 4610** FAX:

### CLIENT PROJECT INFORMATION

PROJECT NAME: **Former Scotia Navy Depot**  
PROJECT NO.: LOCATION: **Scotia NY**  
PROJECT MANAGER: **Jim Hayward**  
e-mail: **j.hayward@eaest.com**  
PHONE: FAX:

### CLIENT BILLING INFORMATION

BILL TO: **northwest ap@eaest.com** O#:  
ADDRESS:  
CITY STATE: ZIP:  
ATTENTION: PHONE:

### ANALYSIS

### DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS\*  
HARDCOPY (DATA PACKAGE): DAYS\*  
EDD: **STD TAT** DAYS\*  
\*TO BE APPROVED BY CHEMTECH  
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### 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

Voc 8260D  
Toc SW 5310B  
MEE PSK 175  
ALK SW 2320  
Amon SW 9050A

| CHEMTECH<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 |              | A             | C | C | E | E |   |   |   |   | ← Specify Preservatives    |                            |
|                          |  |                                  |  |                  |                |      |                      |      |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A-HCl<br>B-HNO3<br>C-H2SO4 | D-NaOH<br>E-ICE<br>F-OTHER |
| 1.                       |  | FSND-RB-4-20241114               |  | GW               |                | X    | 11/14/24             | 1200 | 8            | X             | X | X | X | X |   |   |   |   |                            |                            |
| 2.                       |  | FSND-MW-30-20241114              |  | I                |                | I    |                      | 1055 | 8            | X             | X | X | X | X |   |   |   |   |                            |                            |
| 3.                       |  | TB-2                             |  | -                |                | -    |                      | 1205 | 2            | X             |   |   |   |   |   |   |   |   | Lab prepared               |                            |
| 4.                       |  | FSND-MW-19-20241114              |  | GW               |                | X    |                      | 0945 |              |               |   |   |   |   |   |   |   |   |                            |                            |
| 5.                       |  | FSND-MW-32-20241114              |  | I                |                | I    |                      | 1120 |              |               |   |   |   |   |   |   |   |   |                            |                            |
| 6.                       |  | FSND-MW-34-20241114              |  | I                |                | I    |                      | 1025 |              |               |   |   |   |   |   |   |   |   |                            |                            |
| 7.                       |  | FSND-GEP-3-20241114              |  | I                |                | I    |                      | 0925 |              |               |   |   |   |   |   |   |   |   |                            |                            |
| 8.                       |  | FSND-MW-28-20241114              |  | I                |                | I    |                      | 0930 |              |               |   |   |   |   |   |   |   |   |                            |                            |
| 9.                       |  | FSND-MW-29-20241114              |  | I                |                | I    |                      | 0830 |              |               |   |   |   |   |   |   |   |   |                            |                            |
| 10.                      |  |                                  |  |                  |                |      |                      |      |              |               |   |   |   |   |   |   |   |   |                            |                            |

### SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

|                                                   |                                    |                                       |                                                                                                                                                                          |
|---------------------------------------------------|------------------------------------|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER:<br>1. <b>Emily</b>       | DATE/TIME:<br><b>11/14/24 1300</b> | RECEIVED BY:<br>1. <b>[Signature]</b> | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP <b>20-25</b> |
| RELINQUISHED BY SAMPLER:<br>2. <b>[Signature]</b> | DATE/TIME:<br><b>11-15-24</b>      | RECEIVED BY:<br>2. <b>[Signature]</b> | Comments: <b>after 1</b>                                                                                                                                                 |
| RELINQUISHED BY SAMPLER:<br>3. <b>[Signature]</b> | DATE/TIME:                         | RECEIVED BY:<br>3. <b>[Signature]</b> | Page ____ of ____                                                                                                                                                        |

CLIENT: ☐ Hand Delivered ☐ Other  
 CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete  
☐ YES ☐ NO





284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

### Laboratory Certification

| Certified By         | License No.      |
|----------------------|------------------|
|                      |                  |
| CAS EPA CLP Contract | 68HERH20D0011    |
|                      |                  |
| Connecticut          | PH-0830          |
|                      |                  |
| DOD ELAP (ANAB)      | L2219            |
|                      |                  |
| Maine                | 2024021          |
|                      |                  |
| Maryland             | 296              |
|                      |                  |
| New Hampshire        | 255424 Rev 1     |
|                      |                  |
| New Jersey           | 20012            |
|                      |                  |
| New York             | 11376            |
|                      |                  |
| Pennsylvania         | 68-00548         |
|                      |                  |
| Soil Permit          | 525-24-234-08441 |
|                      |                  |
| Texas                | T104704488       |

## LOGIN REPORT/SAMPLE TRANSFER

**Order ID :** P4873 EAEN05

**Order Date :** 11/15/2024 10:19:00 AM

**Project Mgr :**

**Client Name :** EA Engineering Science & '

**Project Name :** Scotia, NY - Annual Testing

**Report Type :** Level 4

**Client Contact :** Jim Hayward

**Receive DateTime :** 11/15/2024 9:20:00 AM

**EDD Type :** NYSDEC EDD V-4

**Invoice Name :** EA Engineering Science & '

**Purchase Order :**

**Hard Copy Date :**

**Invoice Contact :** Jim Hayward

**Date Signoff :**

| LAB ID   | CLIENT ID           | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|---------------------|--------|-------------|-------------|---------------|------------|----------|--------------|-----------|
| P4873-01 | FSND-RB-4-20241114  | Water  | 11/14/2024  | 12:00       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-02 | FSND-MW-30-20241114 | Water  | 11/14/2024  | 10:55       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-03 | TB-2                | Water  | 11/14/2024  | 12:05       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-04 | FSND-MW-19-20241114 | Water  | 11/14/2024  | 09:45       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-05 | FSND-MW-32-20241114 | Water  | 11/14/2024  | 11:20       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-06 | FSND-MW-34-20241114 | Water  | 11/14/2024  | 10:25       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-07 | FSND-GEP-3-20241114 | Water  | 11/14/2024  | 09:25       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-08 | FSND-MW-28-20241114 | Water  | 11/14/2024  | 09:30       |               |            |          |              |           |

## LOGIN REPORT/SAMPLE TRANSFER

|                                                    |               |                                                   |                                  |
|----------------------------------------------------|---------------|---------------------------------------------------|----------------------------------|
| <b>Order ID :</b> P4873                            | <b>EAEN05</b> | <b>Order Date :</b> 11/15/2024 10:19:00 AM        | <b>Project Mgr :</b>             |
| <b>Client Name :</b> EA Engineering Science & ' "  |               | <b>Project Name :</b> Scotia, NY - Annual Testing | <b>Report Type :</b> Level 4     |
| <b>Client Contact :</b> Jim Hayward                |               | <b>Receive DateTime :</b> 11/15/2024 9:20:00 AM   | <b>EDD Type :</b> NYSDEC EDD V-4 |
| <b>Invoice Name :</b> EA Engineering Science & ' " |               | <b>Purchase Order :</b>                           | <b>Hard Copy Date :</b>          |
| <b>Invoice Contact :</b> Jim Hayward               |               |                                                   | <b>Date Signoff :</b>            |

| LAB ID   | CLIENT ID           | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE     | DUE DATES |
|----------|---------------------|--------|-------------|-------------|---------------|------------|----------|--------------|-----------|
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |
| P4873-09 | FSND-MW-29-20241114 | Water  | 11/14/2024  | 08:30       |               |            |          |              |           |
|          |                     |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 10 Bus. Days |           |

Relinquished By :                     

Date / Time : 11-15-24 11:55

Received By :                     

Date / Time : 11-15-24 11:55

Storage Area : VOA Refridgerator Room

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

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

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

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 148984   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 260569   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 218244   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 92854    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 5.958  | 65    | 3148     | 1.232    | ug/l | 0.01    |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 2.460%# |
| 35) Dibromofluoromethane  | 5.385  | 113   | 1980     | 1.063    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 2.120%# |
| 50) Toluene-d8            | 8.647  | 98    | 7267     | 1.132    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 2.260%# |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 2216     | 1.015    | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 2.020%# |

## Target Compounds

|                              |       |     |       |       |        | Qvalue |
|------------------------------|-------|-----|-------|-------|--------|--------|
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 1889  | 1.001 | ug/l   | 88     |
| 3) Chloromethane             | 1.295 | 50  | 1723  | 0.868 | ug/l   | 90     |
| 4) Vinyl Chloride            | 1.374 | 62  | 2010  | 0.951 | ug/l # | 81     |
| 5) Bromomethane              | 1.593 | 94  | 1826  | 1.405 | ug/l # | 72     |
| 6) Chloroethane              | 1.666 | 64  | 1724  | 1.339 | ug/l # | 82     |
| 7) Trichlorofluoromethane    | 1.874 | 101 | 3093  | 0.819 | ug/l   | 92     |
| 8) Diethyl Ether             | 2.136 | 74  | 1421  | 1.032 | ug/l   | 75     |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 1764  | 0.979 | ug/l   | 94     |
| 10) Methyl Iodide            | 2.441 | 142 | 1911  | 0.849 | ug/l # | 97     |
| 11) Tert butyl alcohol       | 2.941 | 59  | 3949  | 9.628 | ug/l # | 73     |
| 12) 1,1-Dichloroethene       | 2.300 | 96  | 1775  | 1.034 | ug/l # | 62     |
| 13) Acrolein                 | 2.233 | 56  | 2045  | 4.730 | ug/l   | 90     |
| 14) Allyl chloride           | 2.654 | 41  | 2371  | 0.845 | ug/l   | 87     |
| 15) Acrylonitrile            | 3.063 | 53  | 4483  | 4.485 | ug/l   | 95     |
| 16) Acetone                  | 2.386 | 43  | 5977  | 5.093 | ug/l # | 86     |
| 17) Carbon Disulfide         | 2.502 | 76  | 3223  | 0.910 | ug/l   | 99     |
| 18) Methyl Acetate           | 2.703 | 43  | 2775  | 1.015 | ug/l   | 97     |
| 19) Methyl tert-butyl Ether  | 3.105 | 73  | 5162  | 0.828 | ug/l   | 94     |
| 20) Methylene Chloride       | 2.782 | 84  | 2099  | 1.054 | ug/l # | 73     |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 1624  | 0.916 | ug/l   | 97     |
| 22) Diisopropyl ether        | 3.751 | 45  | 4882  | 0.814 | ug/l # | 30     |
| 23) Vinyl Acetate            | 3.727 | 43  | 18541 | 3.613 | ug/l   | 98     |
| 24) 1,1-Dichloroethane       | 3.593 | 63  | 2919  | 0.844 | ug/l # | 94     |
| 25) 2-Butanone               | 4.581 | 43  | 6676  | 4.408 | ug/l   | 92     |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 2687  | 0.860 | ug/l   | 86     |
| 27) cis-1,2-Dichloroethene   | 4.495 | 96  | 2007  | 0.916 | ug/l   | 89     |
| 28) Bromochloromethane       | 4.885 | 49  | 842   | 0.553 | ug/l # | 48     |
| 29) Tetrahydrofuran          | 5.013 | 42  | 4264  | 4.593 | ug/l   | 95     |
| 30) Chloroform               | 5.093 | 83  | 3187  | 0.856 | ug/l # | 76     |
| 31) Cyclohexane              | 5.446 | 56  | 2563  | 0.900 | ug/l # | 71     |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 2600  | 0.810 | ug/l # | 46     |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 1993  | 0.859 | ug/l # | 80     |
| 37) Ethyl Acetate            | 4.733 | 43  | 1632  | 0.567 | ug/l # | 78     |
| 38) Carbon Tetrachloride     | 5.660 | 117 | 2287  | 0.877 | ug/l # | 78     |
| 39) Methylcyclohexane        | 7.379 | 83  | 2835  | 0.941 | ug/l   | 90     |
| 40) Benzene                  | 6.032 | 78  | 6312  | 0.873 | ug/l # | 84     |

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

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

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

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.934  | 41   | 724      | 0.491  | ug/l # | 80       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 2602     | 0.896  | ug/l   | 84       |
| 43) Isopropyl Acetate         | 6.355  | 43   | 3881     | 0.847  | ug/l # | 90       |
| 44) Trichloroethene           | 7.123  | 130  | 2850     | 1.393  | ug/l   | 82       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 1503     | 0.849  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 1246     | 0.890  | ug/l   | 94       |
| 47) Bromodichloromethane      | 7.824  | 83   | 1819     | 0.724  | ug/l # | 93       |
| 48) Methyl methacrylate       | 7.702  | 41   | 1511     | 0.687  | ug/l   | 90       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 613      | 16.166 | ug/l # | 50       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 11392    | 4.073  | ug/l   | 96       |
| 52) Toluene                   | 8.714  | 92   | 3313     | 0.766  | ug/l   | 82       |
| 53) t-1,3-Dichloropropene     | 8.988  | 75   | 1776     | 0.694  | ug/l # | 86       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 2132     | 0.759  | ug/l # | 84       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 1496     | 0.838  | ug/l # | 85       |
| 56) Ethyl methacrylate        | 9.122  | 69   | 1973     | 0.709  | ug/l # | 82       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 2502     | 0.832  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.245  | 63   | 4135     | 2.662  | ug/l   | 93       |
| 59) 2-Hexanone                | 9.439  | 43   | 7726     | 3.675  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 1296     | 0.723  | ug/l   | 93       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 1342     | 0.743  | ug/l # | 80       |
| 64) Tetrachloroethene         | 9.269  | 164  | 1329     | 0.924  | ug/l   | 88       |
| 65) Chlorobenzene             | 10.073 | 112  | 4585     | 0.957  | ug/l # | 86       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 1136     | 0.731  | ug/l # | 66       |
| 67) Ethyl Benzene             | 10.195 | 91   | 6890     | 0.848  | ug/l # | 86       |
| 68) m/p-Xylenes               | 10.305 | 106  | 5324     | 1.758  | ug/l   | 95       |
| 69) o-Xylene                  | 10.640 | 106  | 2370     | 0.801  | ug/l   | 95       |
| 70) Styrene                   | 10.665 | 104  | 3751     | 0.767  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 632      | 1.756  | ug/l # | 87       |
| 73) Isopropylbenzene          | 10.964 | 105  | 6379     | 0.894  | ug/l   | 94       |
| 74) N-amyl acetate            | 10.848 | 43   | 2319     | 0.701  | ug/l   | 93       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 2224     | 0.910  | ug/l   | 83       |
| 76) 1,2,3-Trichloropropane    | 11.244 | 75   | 2077     | 1.037  | ug/l   | 98       |
| 77) Bromobenzene              | 11.201 | 156  | 1475     | 0.866  | ug/l   | 94       |
| 78) n-propylbenzene           | 11.305 | 91   | 6810     | 0.854  | ug/l   | 95       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 4618     | 0.916  | ug/l   | 92       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 5022     | 0.855  | ug/l   | 96       |
| 81) trans-1,4-Dichloro-2-b... | 11.025 | 75   | 442      | 0.592  | ug/l # | 81       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 4940     | 0.868  | ug/l   | 94       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 4794     | 0.824  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 4748     | 0.812  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 5787     | 0.812  | ug/l   | 94       |
| 86) p-Isopropyltoluene        | 12.012 | 119  | 4187     | 0.723  | ug/l   | 87       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 2934     | 0.946  | ug/l   | 93       |
| 88) 1,4-Dichlorobenzene       | 11.969 | 146  | 2934     | 0.932  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.335 | 91   | 3522     | 0.690  | ug/l   | 93       |
| 90) Hexachloroethane          | 12.536 | 117  | 835      | 0.848  | ug/l   | 86       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 2796     | 0.893  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.957 | 75   | 395      | 0.807  | ug/l   | 65       |
| 93) 1,2,4-Trichlorobenzene    | 13.597 | 180  | 1576     | 0.854  | ug/l   | 78       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 709      | 0.972  | ug/l   | 89       |
| 95) Naphthalene               | 13.780 | 128  | 4837     | 0.728  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 1398     | 0.749  | ug/l   | 81       |

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

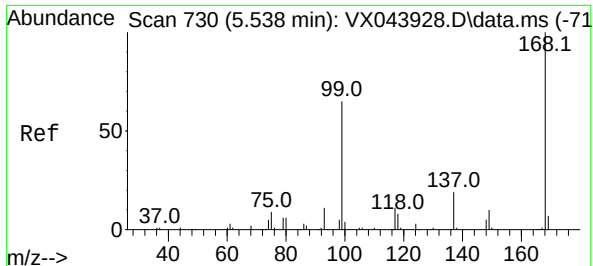
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

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

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

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

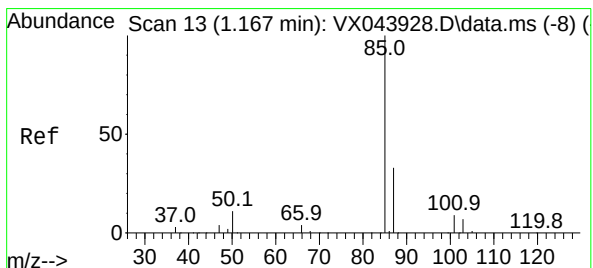
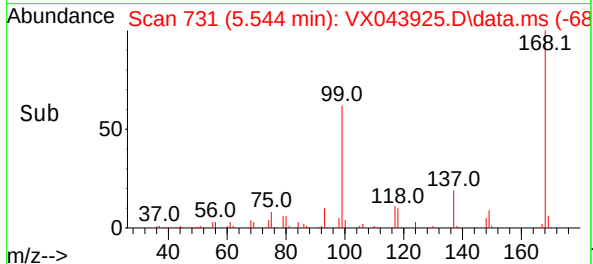
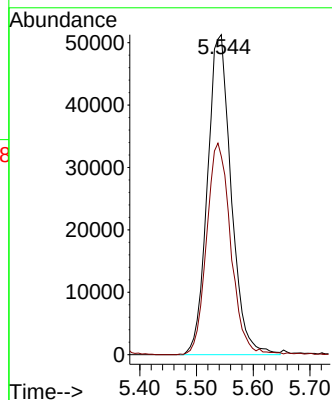
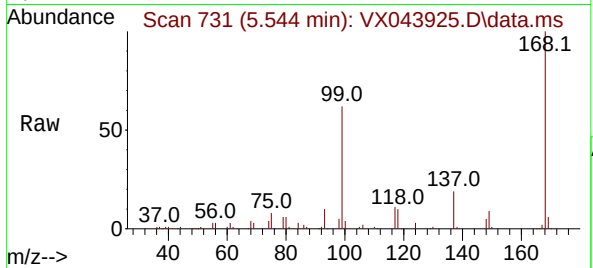




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

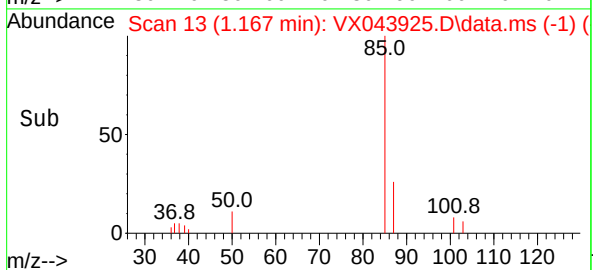
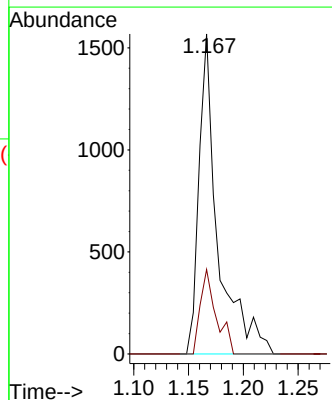
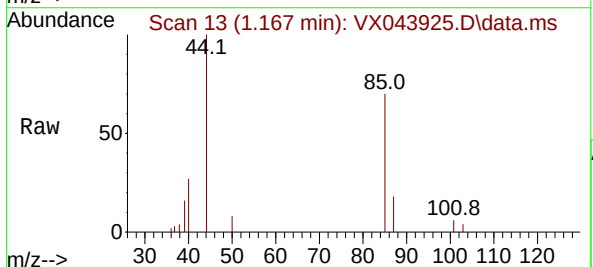
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion:168 Resp: 148984  
Ion Ratio Lower Upper  
168 100  
99 61.8 51.8 77.8

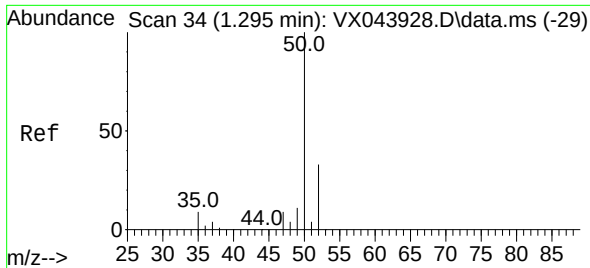


#2  
Dichlorodifluoromethane  
Concen: 1.001 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 85 Resp: 1889  
Ion Ratio Lower Upper  
85 100  
87 26.4 16.6 49.8



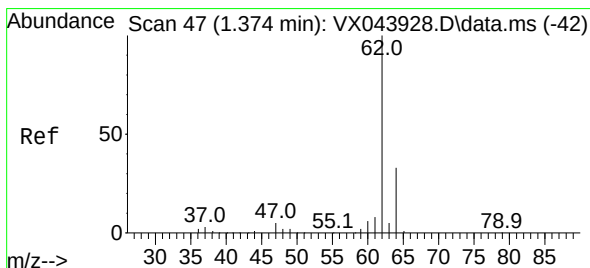
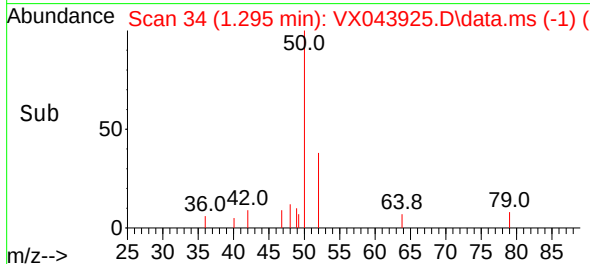
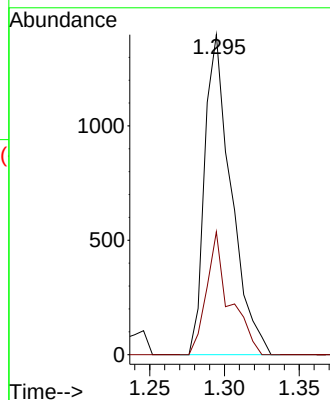
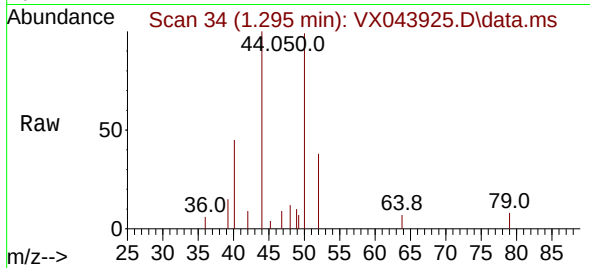




#3  
Chloromethane  
Concen: 0.868 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

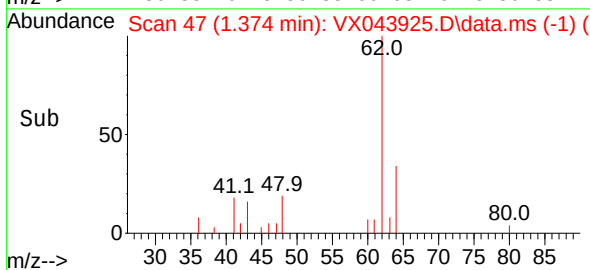
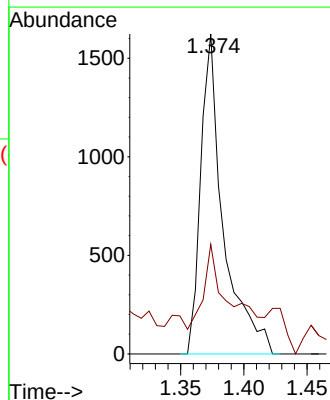
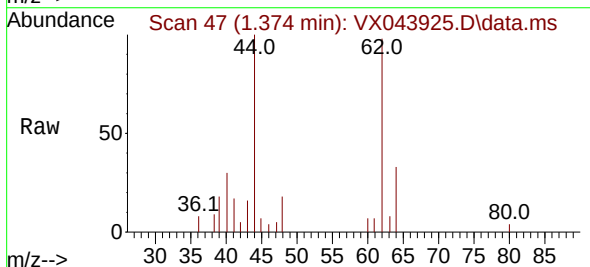
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

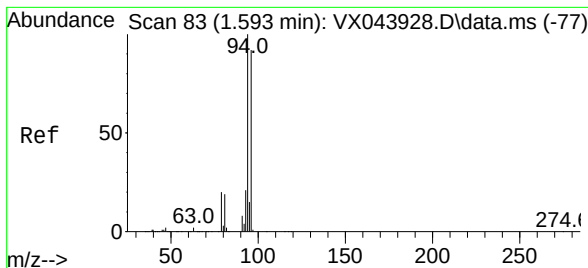
Tgt Ion: 50 Resp: 1723  
Ion Ratio Lower Upper  
50 100  
52 38.4 26.1 39.1



#4  
Vinyl Chloride  
Concen: 0.951 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 62 Resp: 2010  
Ion Ratio Lower Upper  
62 100  
64 22.4 26.2 39.4#





#5

Bromomethane

Concen: 1.405 ug/l

RT: 1.593 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

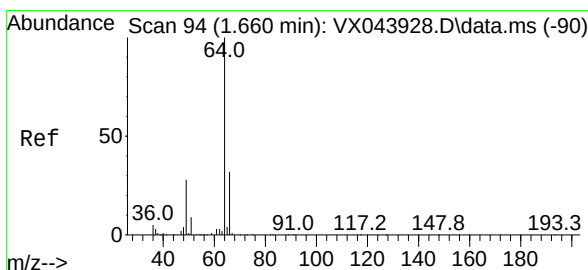
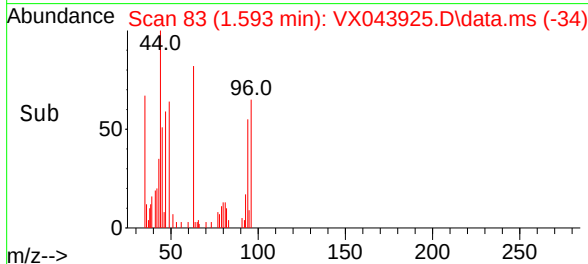
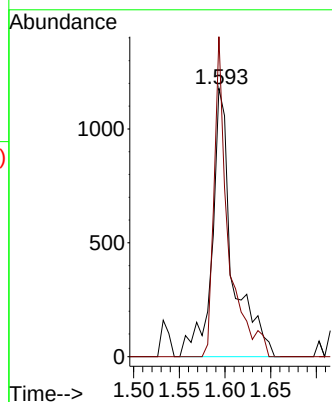
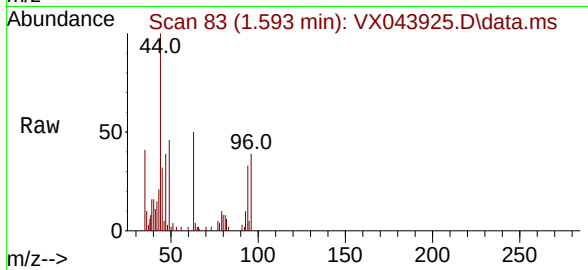
VSTDICC001

Tgt Ion: 94 Resp: 1826

Ion Ratio Lower Upper

94 100

96 119.3 73.9 110.9#



#6

Chloroethane

Concen: 1.339 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043925.D

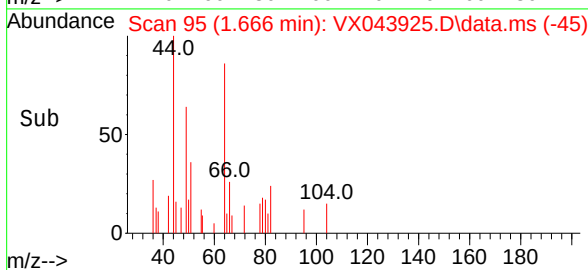
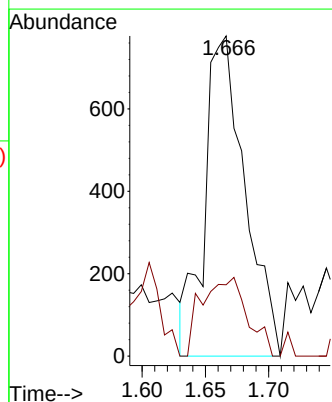
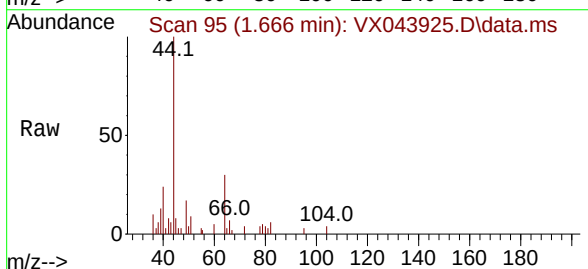
Acq: 21 Nov 2024 09:47

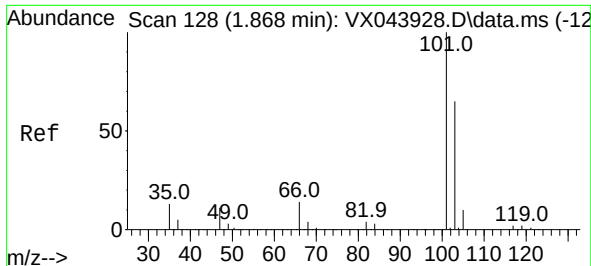
Tgt Ion: 64 Resp: 1724

Ion Ratio Lower Upper

64 100

66 22.3 25.9 38.9#

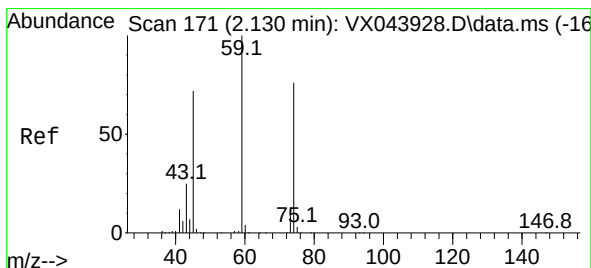
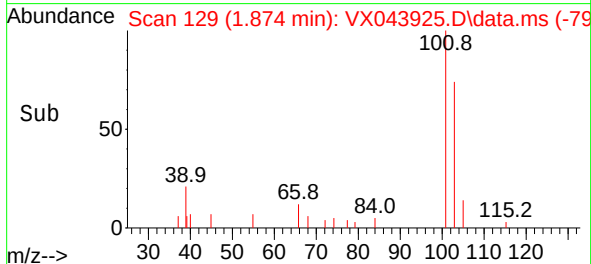
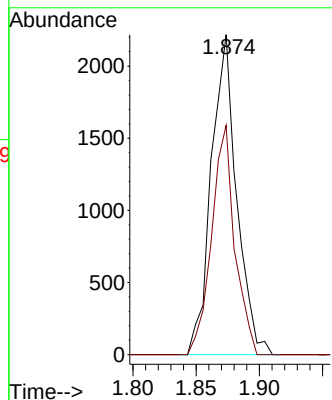
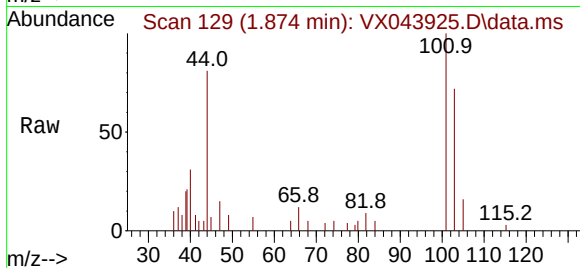




#7  
 Trichlorofluoromethane  
 Concen: 0.819 ug/l  
 RT: 1.874 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX043925.D  
 Acq: 21 Nov 2024 09:47

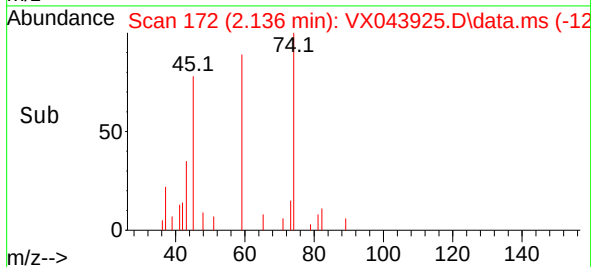
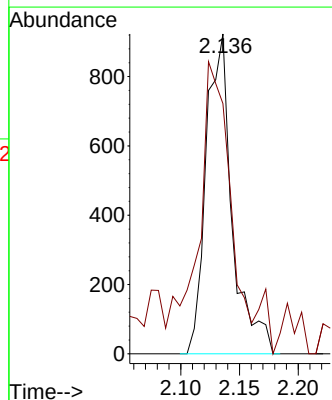
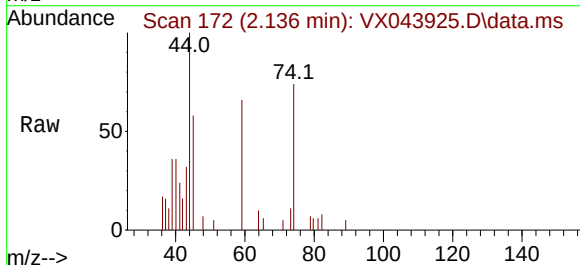
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

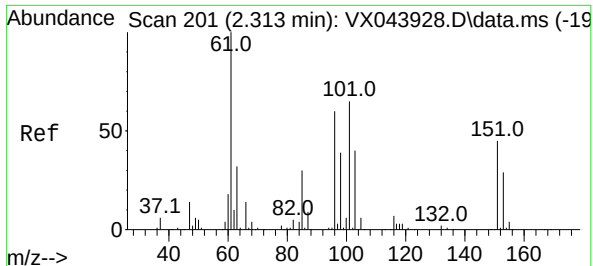
Tgt Ion:101 Resp: 3093  
 Ion Ratio Lower Upper  
 101 100  
 103 71.6 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 1.032 ug/l  
 RT: 2.136 min Scan# 172  
 Delta R.T. 0.006 min  
 Lab File: VX043925.D  
 Acq: 21 Nov 2024 09:47

Tgt Ion: 74 Resp: 1421  
 Ion Ratio Lower Upper  
 74 100  
 45 120.1 47.9 143.6

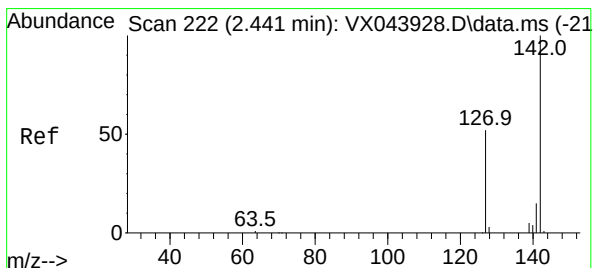
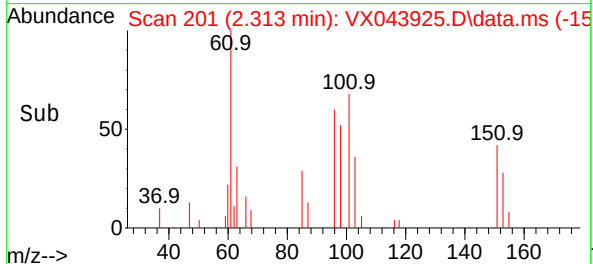
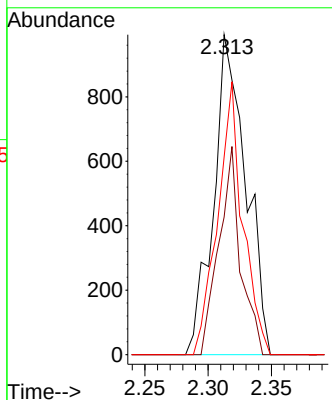
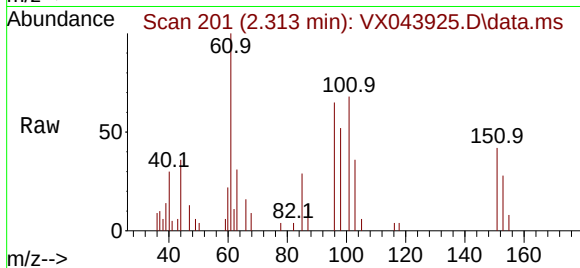




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.979 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

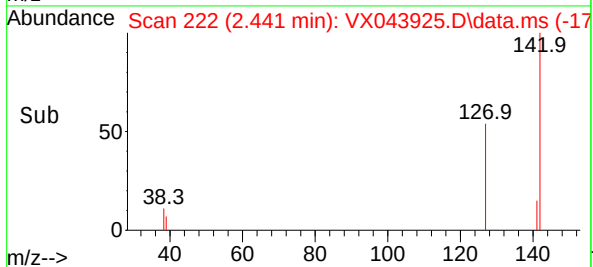
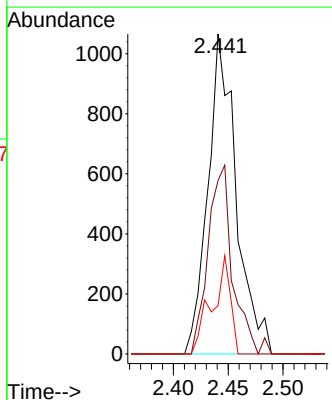
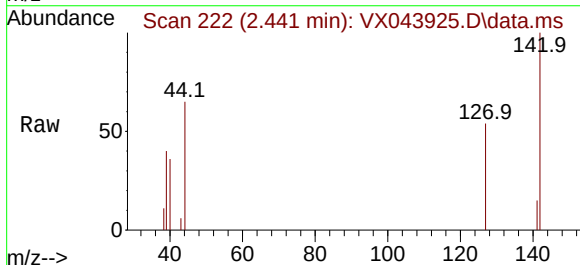
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

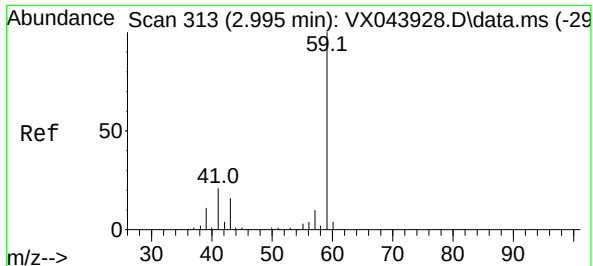
Tgt Ion:101 Resp: 1764  
Ion Ratio Lower Upper  
101 100  
85 43.5 37.9 56.9  
151 66.1 57.5 86.3



#10  
Methyl Iodide  
Concen: 0.849 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion:142 Resp: 1911  
Ion Ratio Lower Upper  
142 100  
127 51.4 40.7 61.1  
141 19.9 12.0 18.0#





#11

Tert butyl alcohol

Concen: 9.628 ug/l

RT: 2.941 min Scan# 304

Delta R.T. -0.055 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

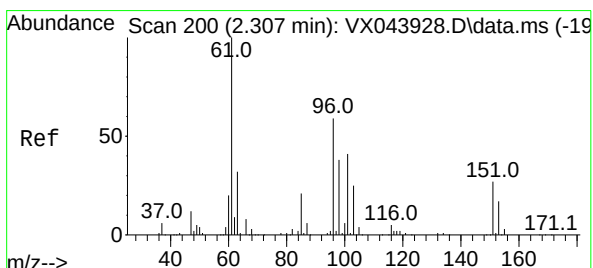
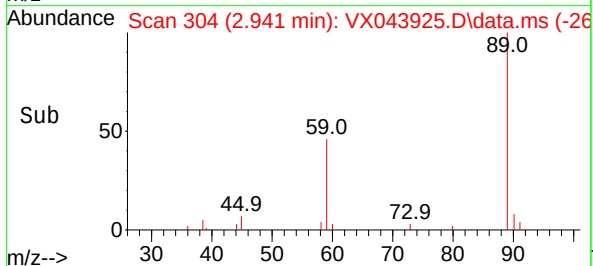
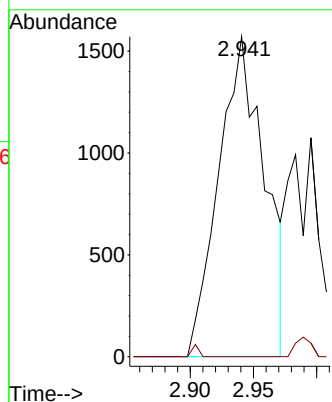
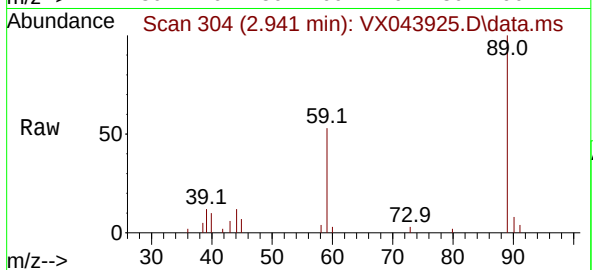
VSTDIC001

Tgt Ion: 59 Resp: 3949

Ion Ratio Lower Upper

59 100

57 0.0 7.9 11.9#



#12

1,1-Dichloroethene

Concen: 1.034 ug/l

RT: 2.300 min Scan# 199

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

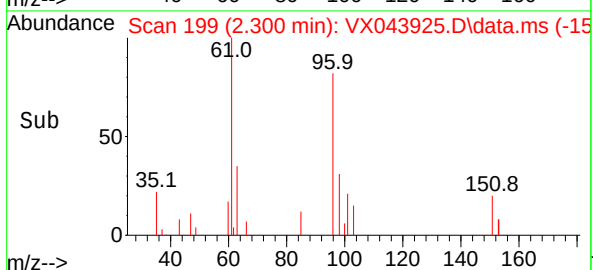
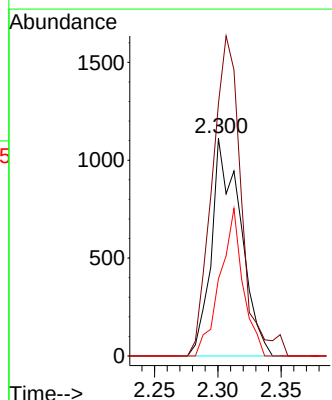
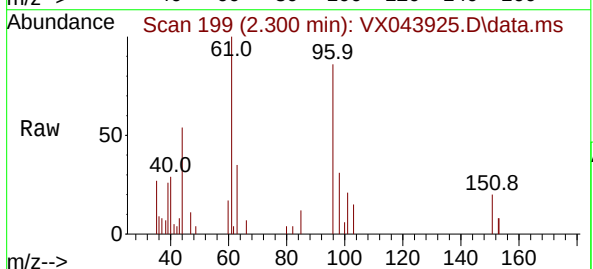
Tgt Ion: 96 Resp: 1775

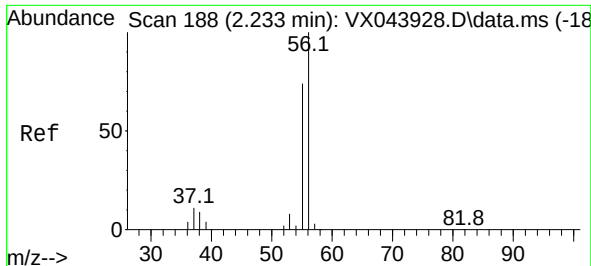
Ion Ratio Lower Upper

96 100

61 115.9 135.5 203.3#

98 35.4 50.8 76.2#





#13

Acrolein

Concen: 4.730 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

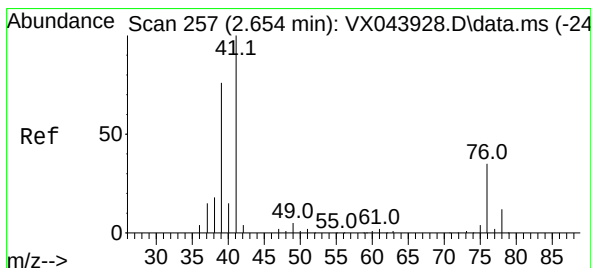
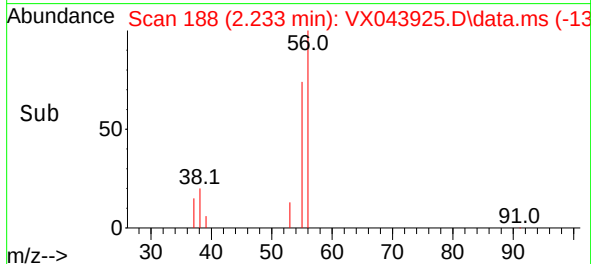
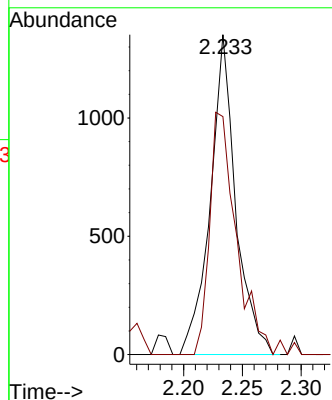
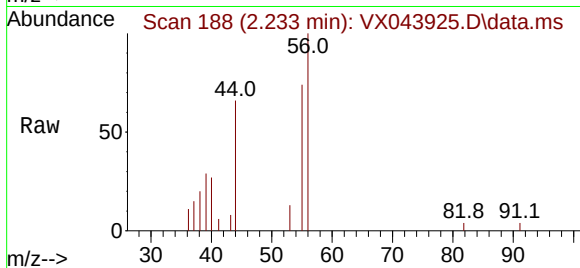
VSTDICC001

Tgt Ion: 56 Resp: 2045

Ion Ratio Lower Upper

56 100

55 81.0 58.2 87.2



#14

Allyl chloride

Concen: 0.845 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

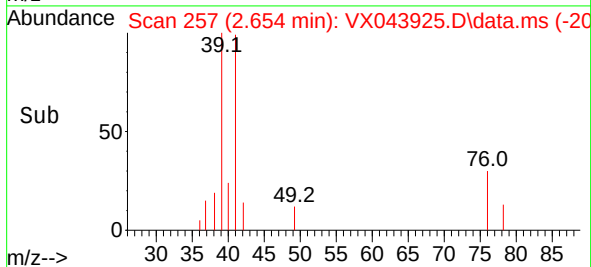
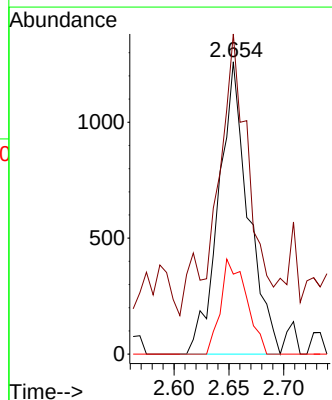
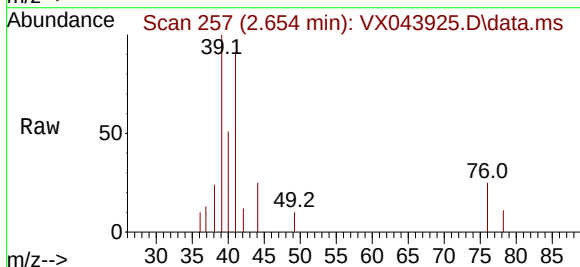
Tgt Ion: 41 Resp: 2371

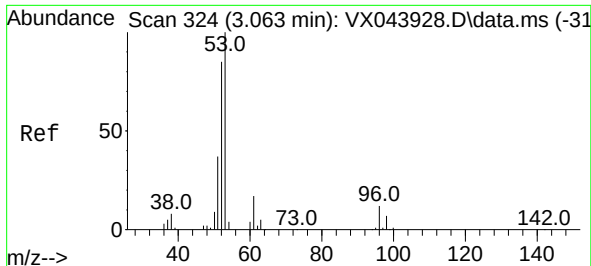
Ion Ratio Lower Upper

41 100

39 85.9 59.5 89.3

76 28.3 27.4 41.2

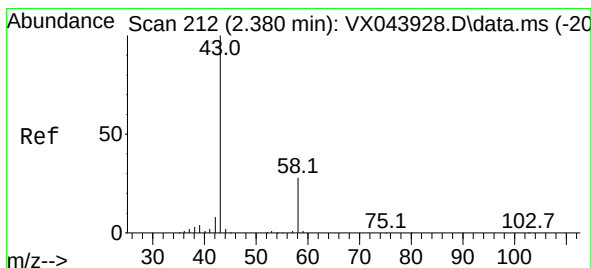
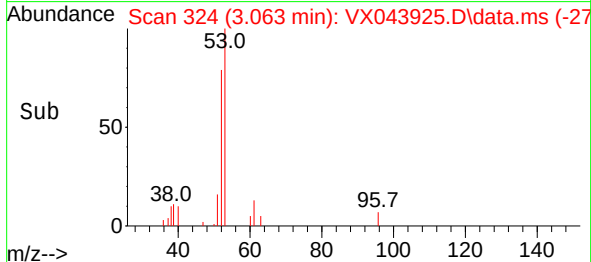
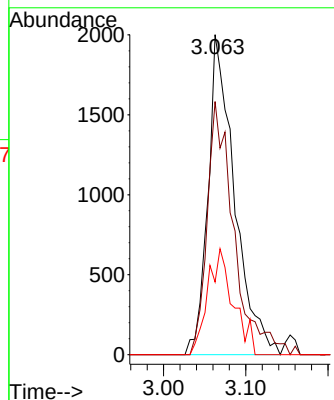
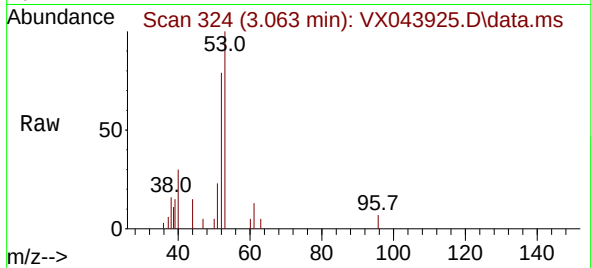




#15  
Acrylonitrile  
Concen: 4.485 ug/l  
RT: 3.063 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

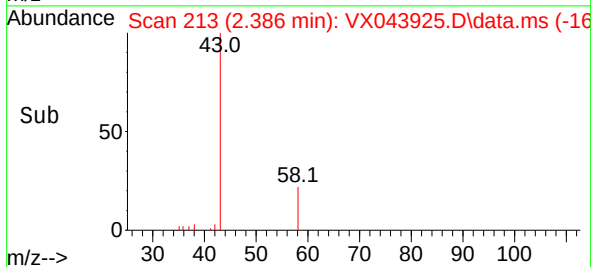
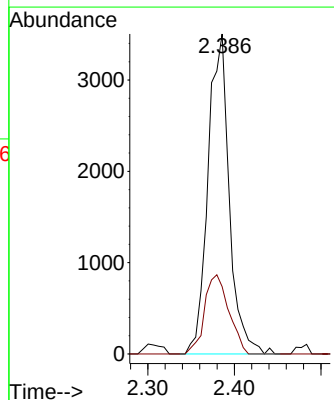
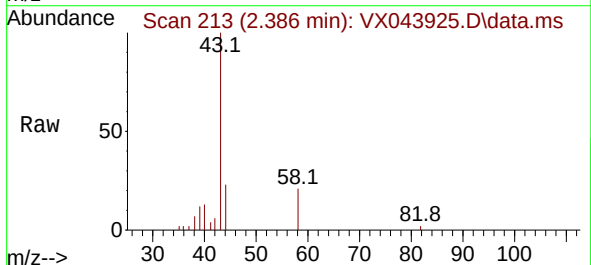
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

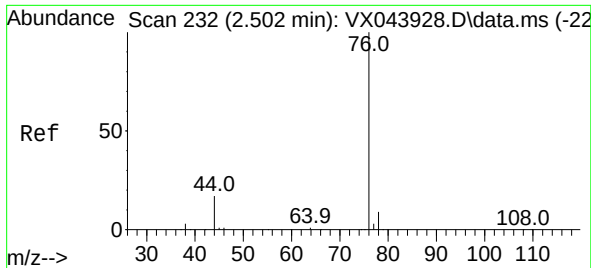
Tgt Ion: 53 Resp: 4483  
Ion Ratio Lower Upper  
53 100  
52 80.0 66.5 99.7  
51 31.9 30.2 45.4



#16  
Acetone  
Concen: 5.093 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 5977  
Ion Ratio Lower Upper  
43 100  
58 21.1 22.7 34.1#

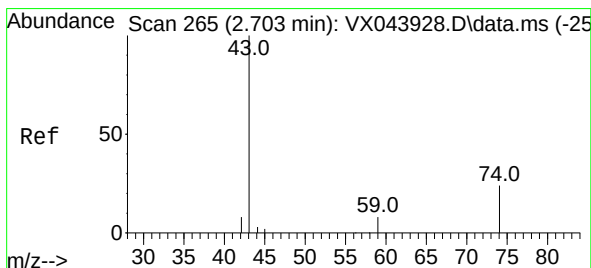
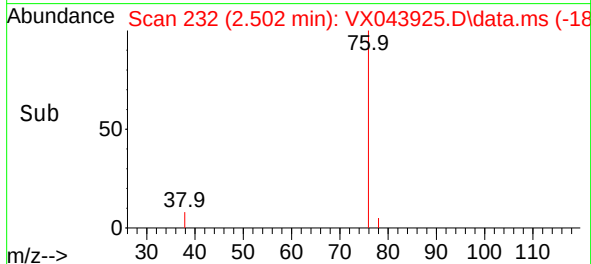
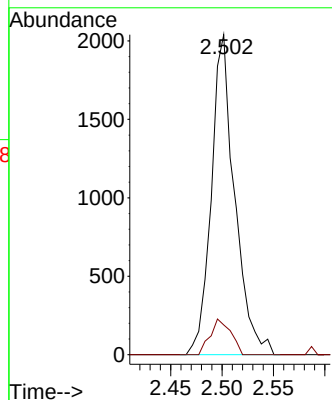
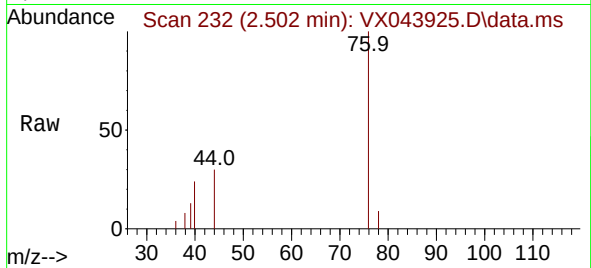




#17  
Carbon Disulfide  
Concen: 0.910 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

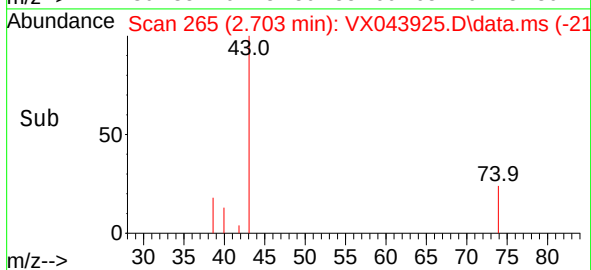
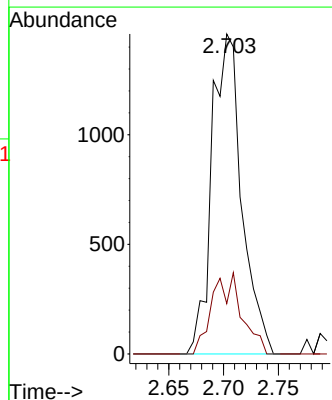
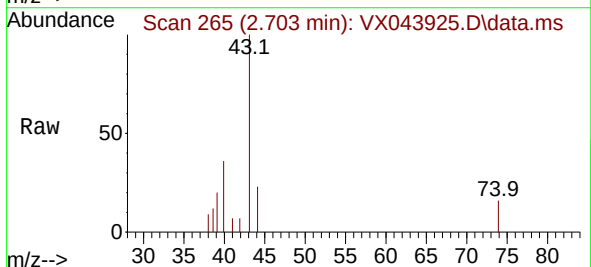
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 76 Resp: 3223  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6

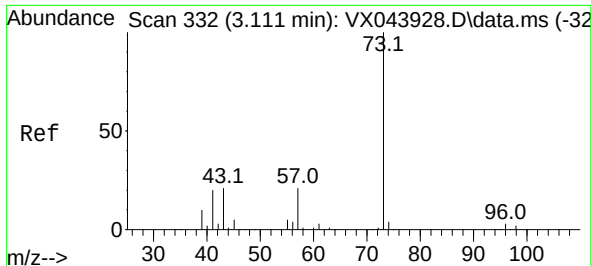


#18  
Methyl Acetate  
Concen: 1.015 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2775  
Ion Ratio Lower Upper  
43 100  
74 24.9 18.9 28.3







#19

Methyl tert-butyl Ether

Concen: 0.828 ug/l

RT: 3.105 min Scan# 332

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

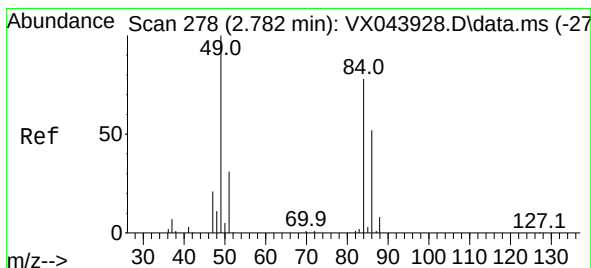
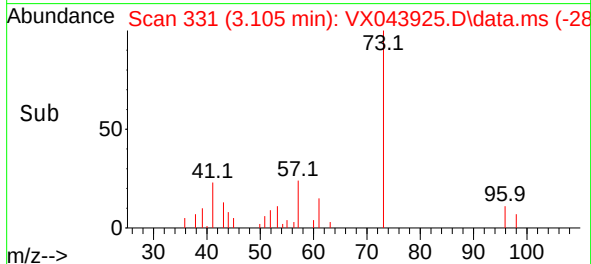
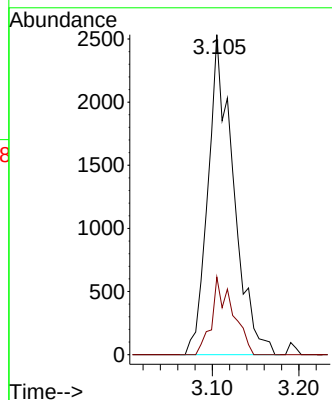
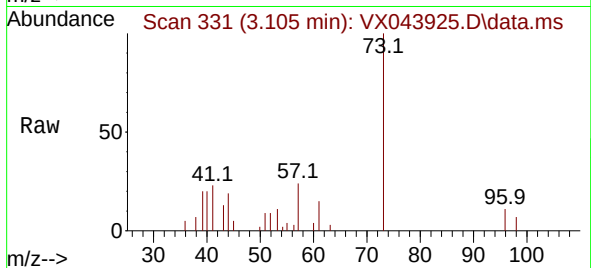
VSTDIC001

Tgt Ion: 73 Resp: 5162

Ion Ratio Lower Upper

73 100

57 24.3 17.0 25.6



#20

Methylene Chloride

Concen: 1.054 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 84 Resp: 2099

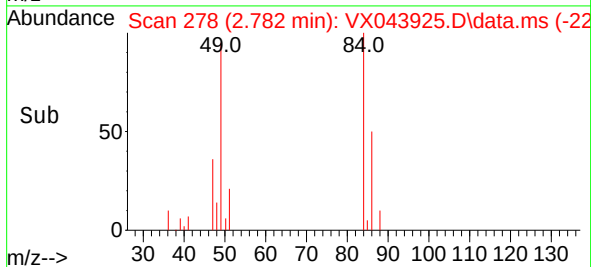
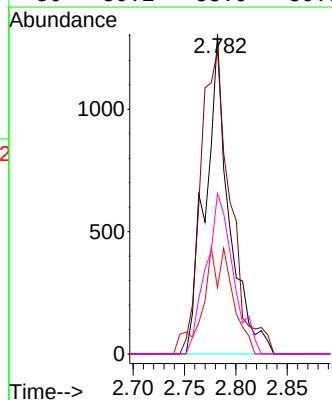
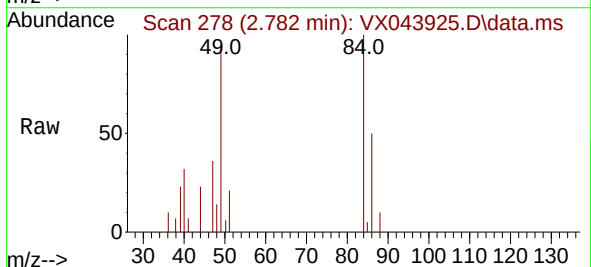
Ion Ratio Lower Upper

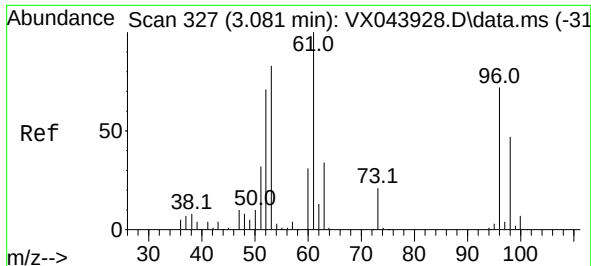
84 100

49 94.8 102.7 154.1#

51 20.7 31.7 47.5#

86 50.2 53.9 80.9#

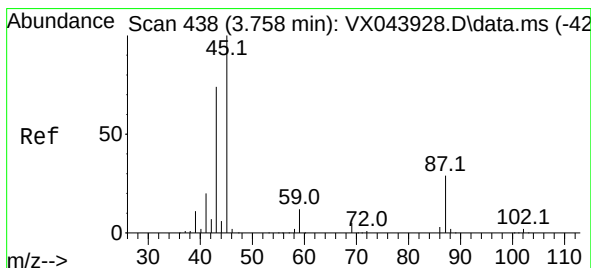
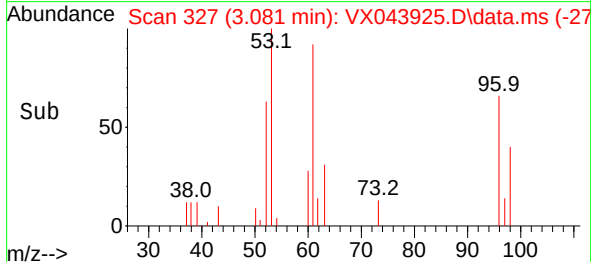
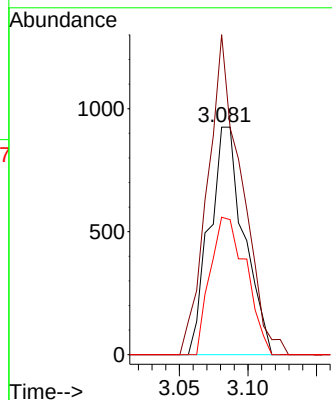
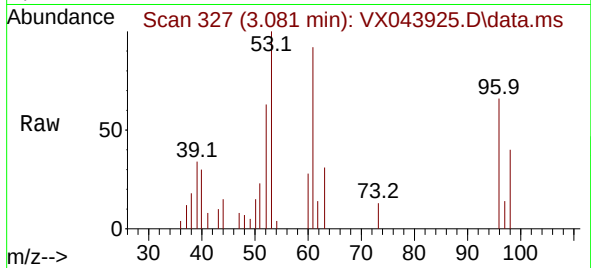




#21  
trans-1,2-Dichloroethene  
Concen: 0.916 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

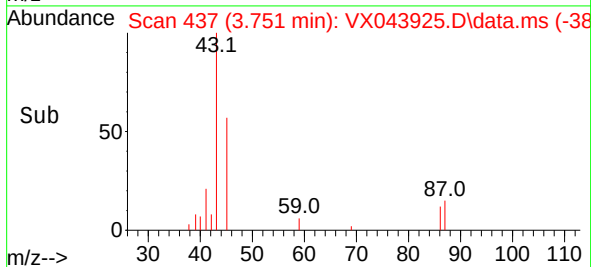
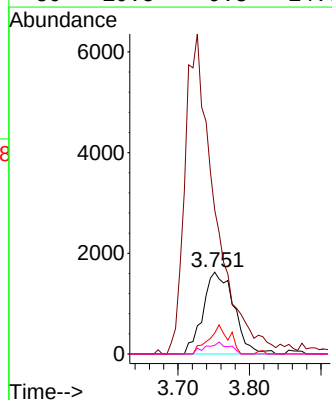
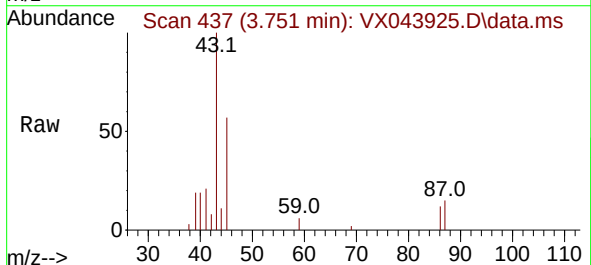
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

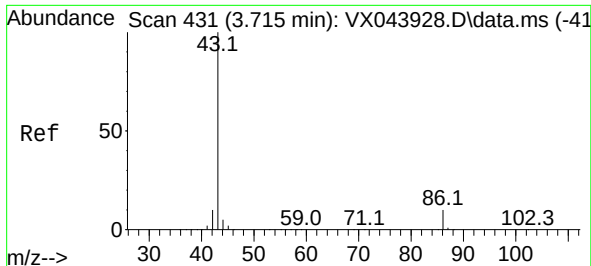
Tgt Ion: 96 Resp: 1624  
Ion Ratio Lower Upper  
96 100  
61 140.6 111.8 167.6  
98 60.4 52.7 79.1



#22  
Diisopropyl ether  
Concen: 0.814 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 45 Resp: 4882  
Ion Ratio Lower Upper  
45 100  
43 164.2 59.6 89.4#  
87 25.6 22.9 34.3  
59 10.5 9.8 14.6

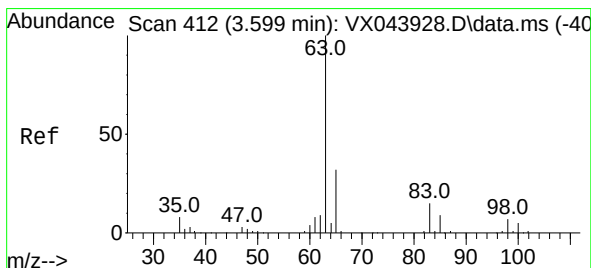
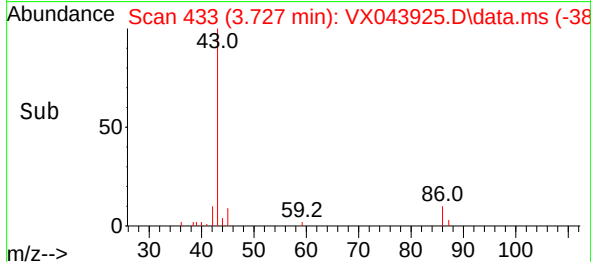
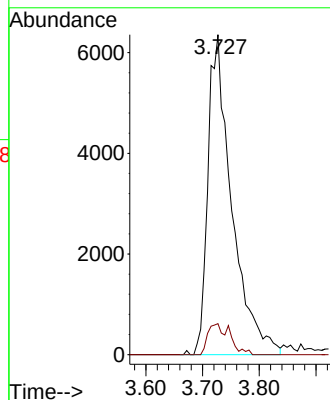
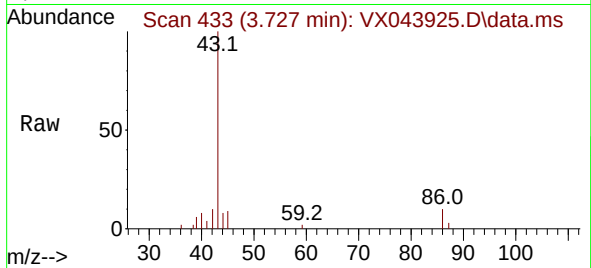




#23  
 Vinyl Acetate  
 Concen: 3.613 ug/l  
 RT: 3.727 min Scan# 411  
 Delta R.T. 0.012 min  
 Lab File: VX043925.D  
 Acq: 21 Nov 2024 09:47

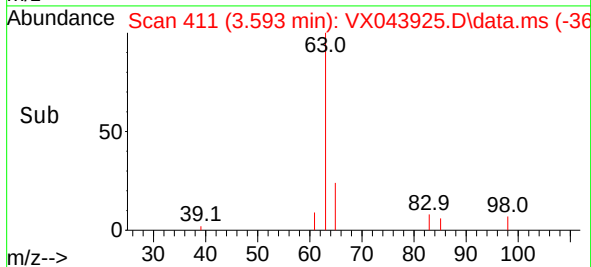
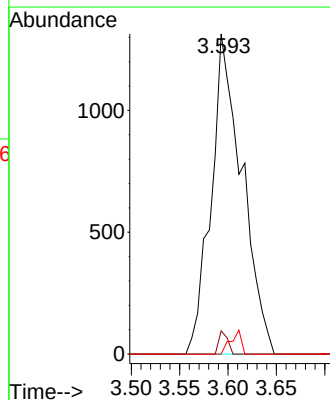
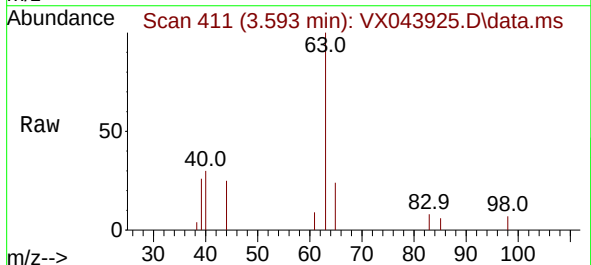
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

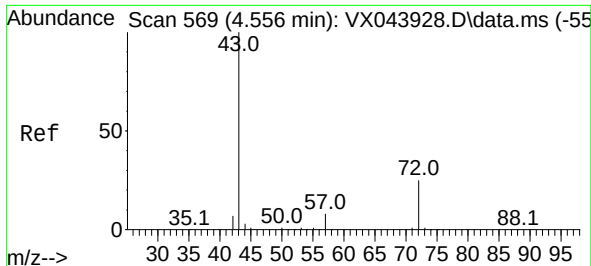
Tgt Ion: 43 Resp: 18541  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 0.844 ug/l  
 RT: 3.593 min Scan# 411  
 Delta R.T. -0.006 min  
 Lab File: VX043925.D  
 Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 2919  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.6  
 100 0.0 2.4 7.1#

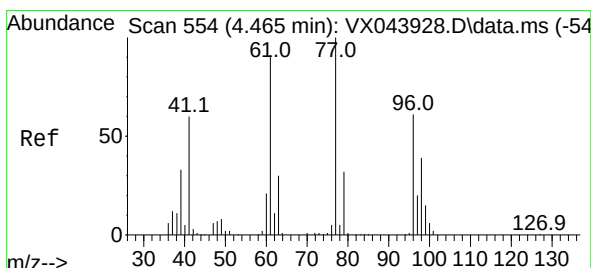
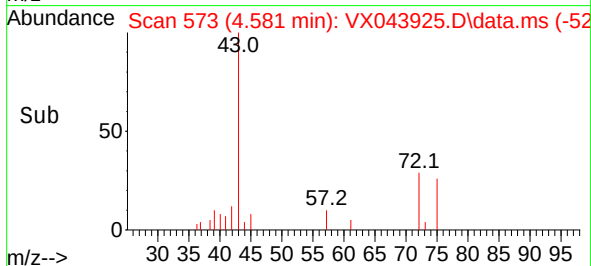
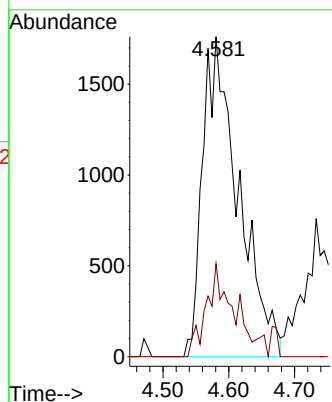
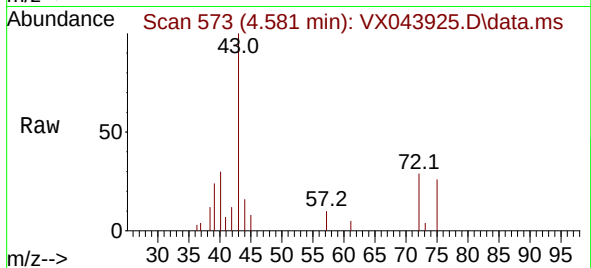




#25  
2-Butanone  
Concen: 4.408 ug/l  
RT: 4.581 min Scan# 51  
Delta R.T. 0.024 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

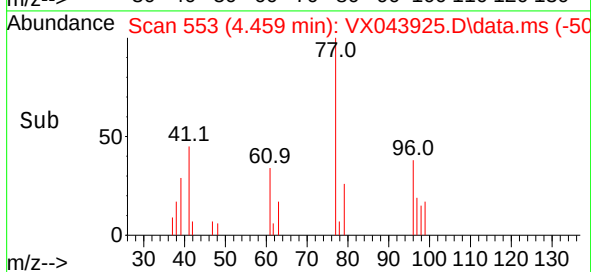
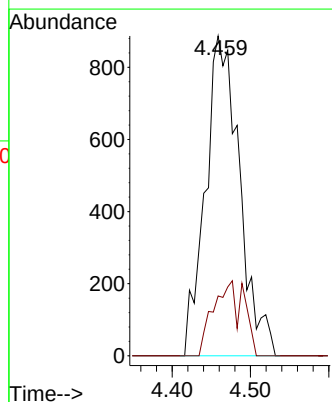
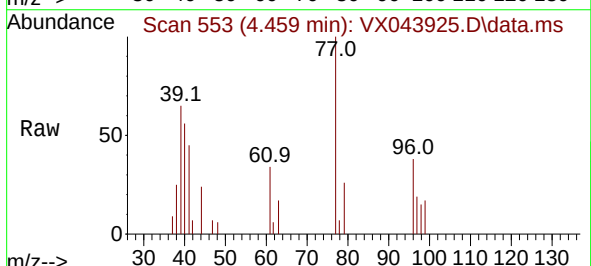
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

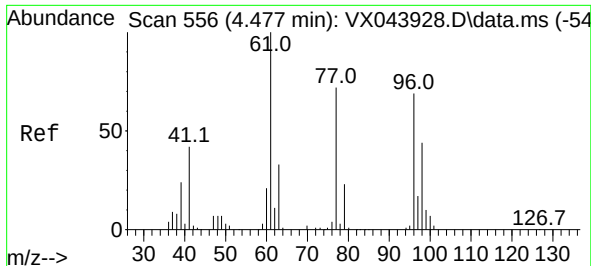
Tgt Ion: 43 Resp: 6676  
Ion Ratio Lower Upper  
43 100  
72 29.1 20.2 30.2



#26  
2,2-Dichloropropane  
Concen: 0.860 ug/l  
RT: 4.459 min Scan# 553  
Delta R.T. -0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 77 Resp: 2687  
Ion Ratio Lower Upper  
77 100  
97 15.1 10.8 32.3

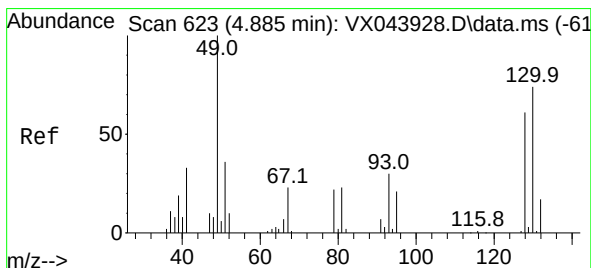
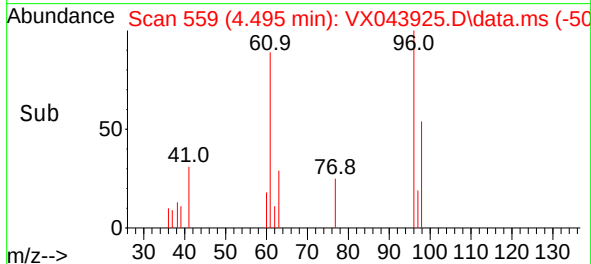
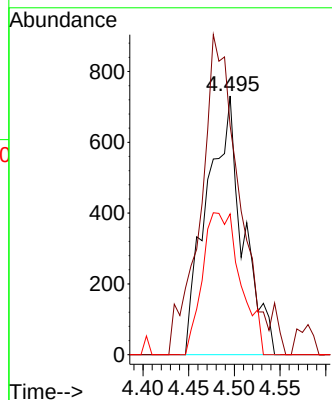
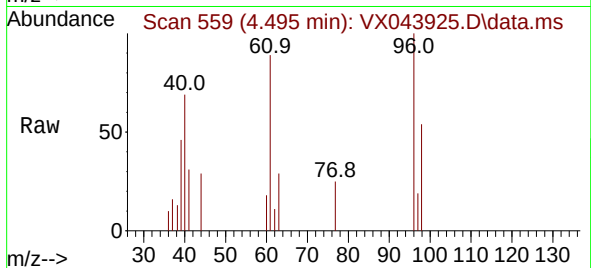




#27  
 cis-1,2-Dichloroethene  
 Concen: 0.916 ug/l  
 RT: 4.495 min Scan# 556  
 Delta R.T. 0.018 min  
 Lab File: VX043925.D  
 Acq: 21 Nov 2024 09:47

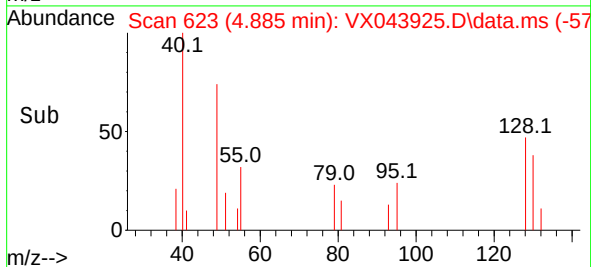
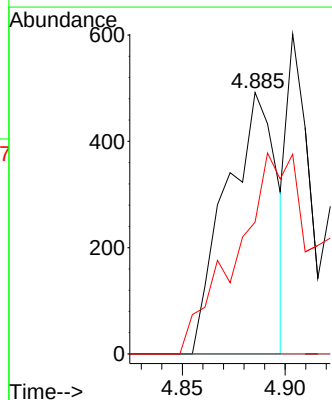
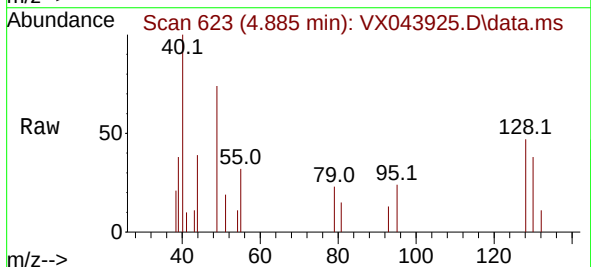
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC001

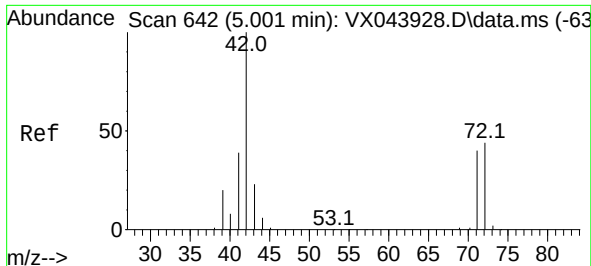
|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 96 | Resp: | 2007  |       |
| Ion         | Ratio | Lower | Upper |
| 96          | 100   |       |       |
| 61          | 133.7 | 0.0   | 297.4 |
| 98          | 57.8  | 0.0   | 127.8 |



#28  
 Bromochloromethane  
 Concen: 0.553 ug/l  
 RT: 4.885 min Scan# 623  
 Delta R.T. -0.000 min  
 Lab File: VX043925.D  
 Acq: 21 Nov 2024 09:47

|             |       |       |       |
|-------------|-------|-------|-------|
| Tgt Ion: 49 | Resp: | 842   |       |
| Ion         | Ratio | Lower | Upper |
| 49          | 100   |       |       |
| 129         | 0.0   | 0.0   | 4.0   |
| 130         | 118.8 | 59.0  | 88.6# |





#29

Tetrahydrofuran

Concen: 4.593 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

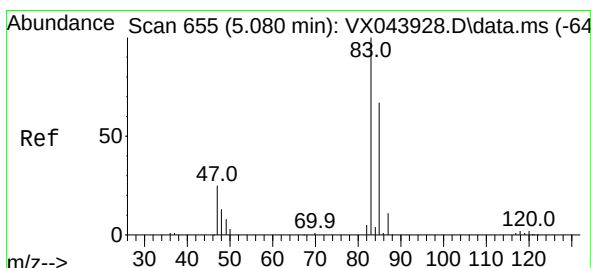
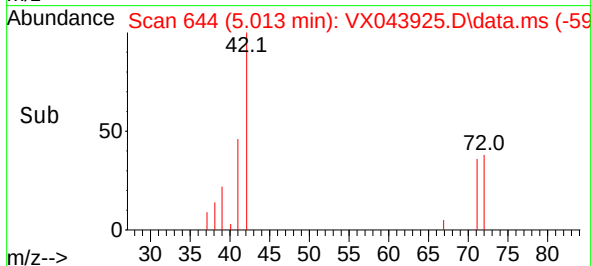
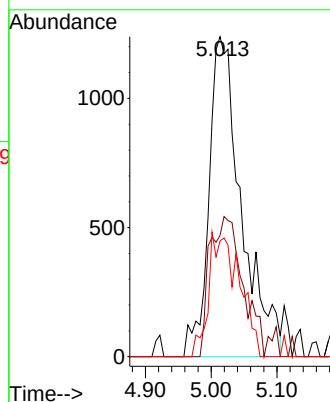
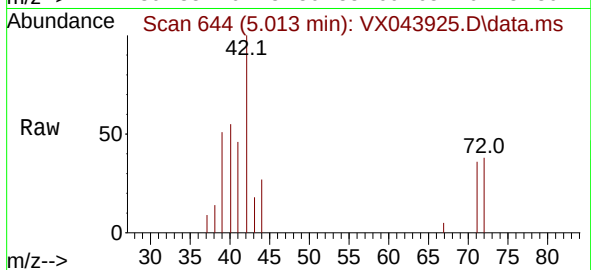
Tgt Ion: 42 Resp: 4264

Ion Ratio Lower Upper

42 100

72 44.5 36.4 54.6

71 36.6 33.4 50.0



#30

Chloroform

Concen: 0.856 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX043925.D

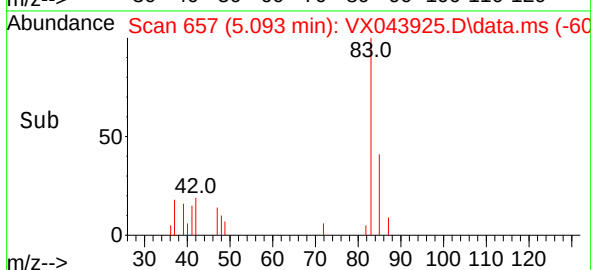
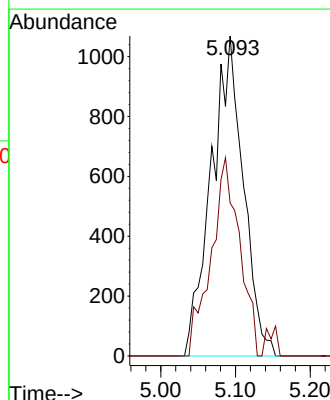
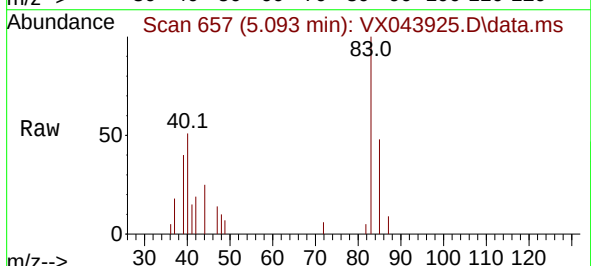
Acq: 21 Nov 2024 09:47

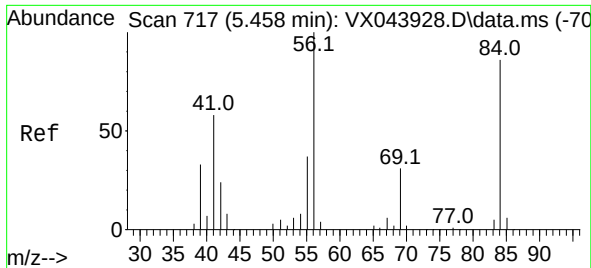
Tgt Ion: 83 Resp: 3187

Ion Ratio Lower Upper

83 100

85 47.8 53.5 80.3#

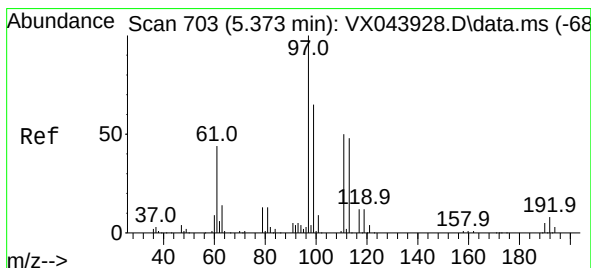
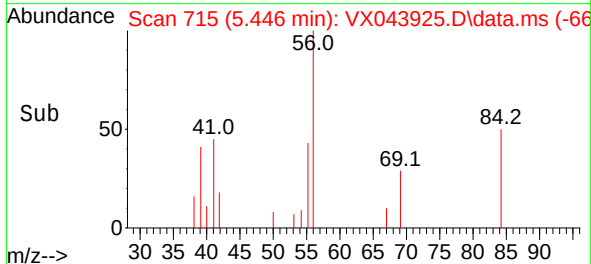
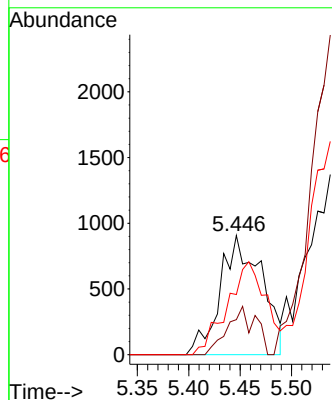
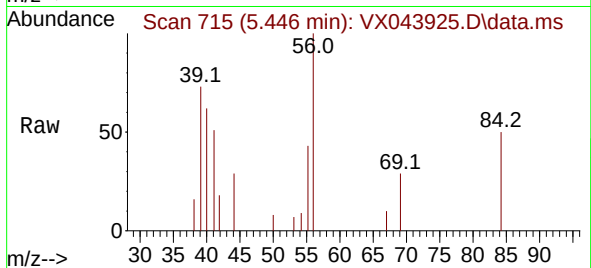




#31  
Cyclohexane  
Concen: 0.900 ug/l  
RT: 5.446 min Scan# 715  
Delta R.T. -0.012 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

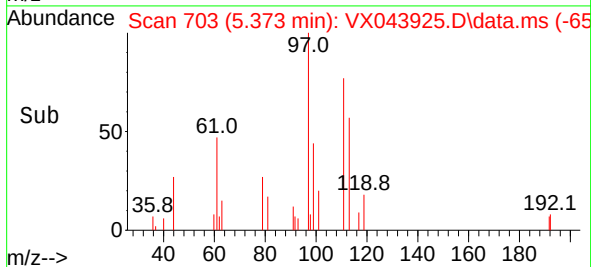
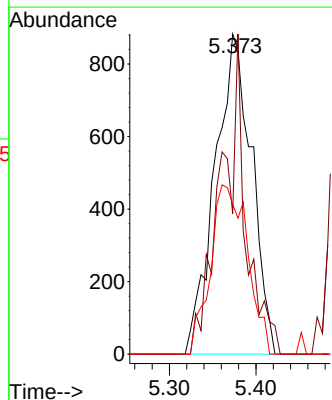
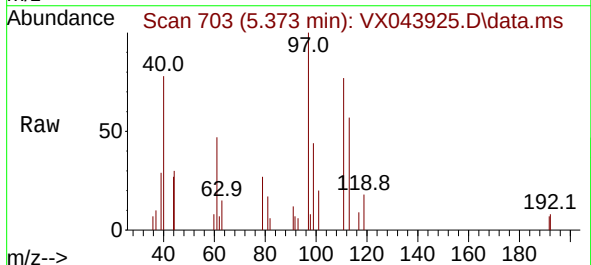
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

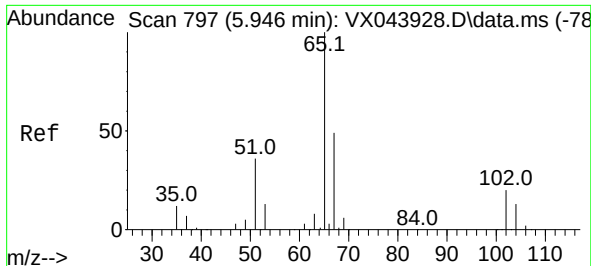
Tgt Ion: 56 Resp: 2563  
Ion Ratio Lower Upper  
56 100  
69 29.4 24.7 37.1  
84 50.5 68.7 103.1#



#32  
1,1,1-Trichloroethane  
Concen: 0.810 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 97 Resp: 2600  
Ion Ratio Lower Upper  
97 100  
99 0.0 50.8 76.2#  
61 53.3 35.4 53.2#





#33

1,2-Dichloroethane-d4

Concen: 1.232 ug/l

RT: 5.958 min Scan# 797

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

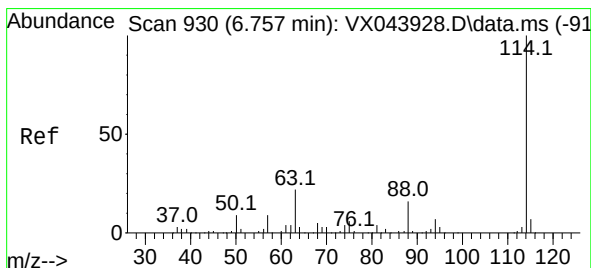
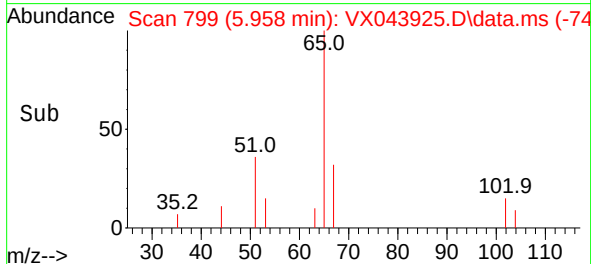
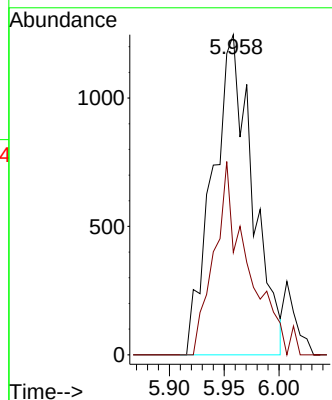
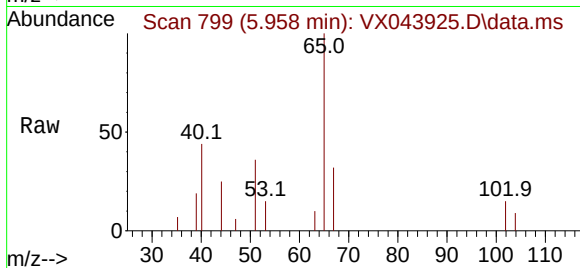
VSTDIC001

Tgt Ion: 65 Resp: 3148

Ion Ratio Lower Upper

65 100

67 51.1 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

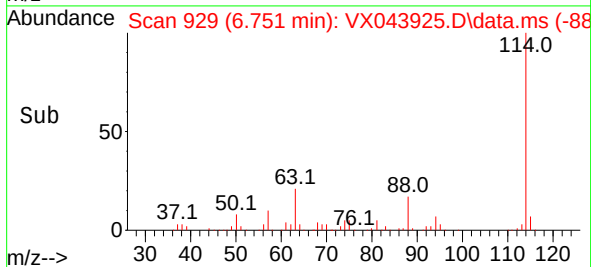
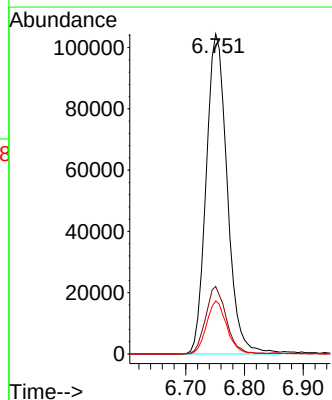
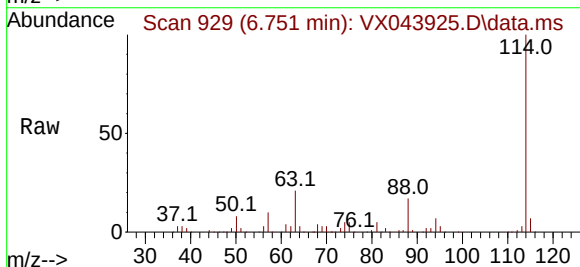
Tgt Ion: 114 Resp: 260569

Ion Ratio Lower Upper

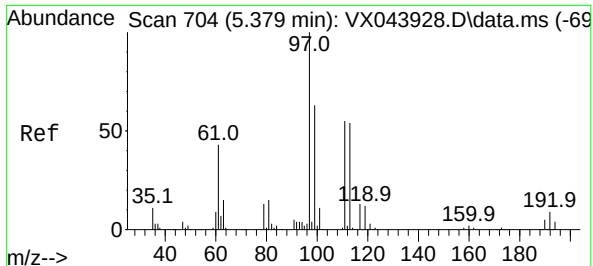
114 100

63 21.1 0.0 44.0

88 16.6 0.0 32.4







#35

Dibromofluoromethane

Concen: 1.063 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

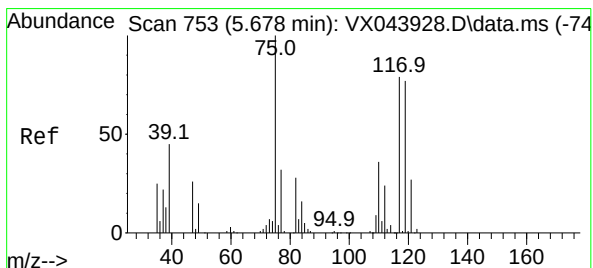
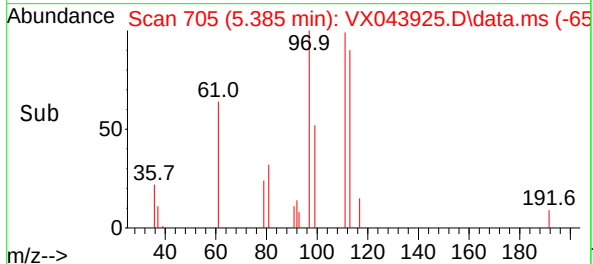
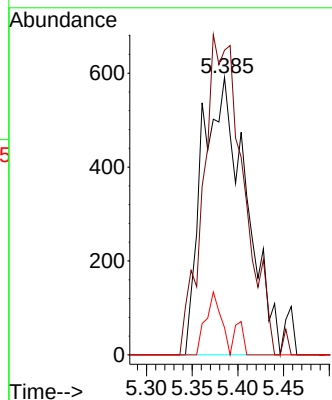
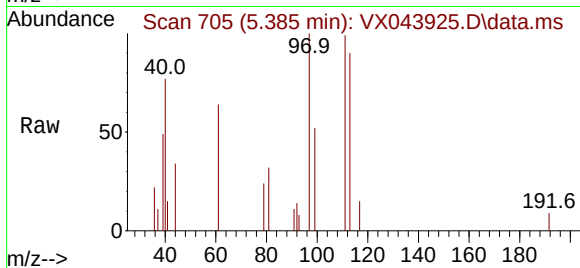
Tgt Ion:113 Resp: 1980

Ion Ratio Lower Upper

113 100

111 104.8 81.0 121.4

192 7.9 13.0 19.6#



#36

1,1-Dichloropropene

Concen: 0.859 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

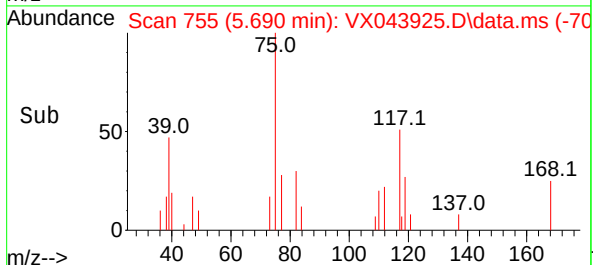
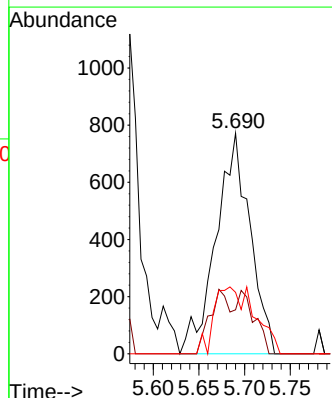
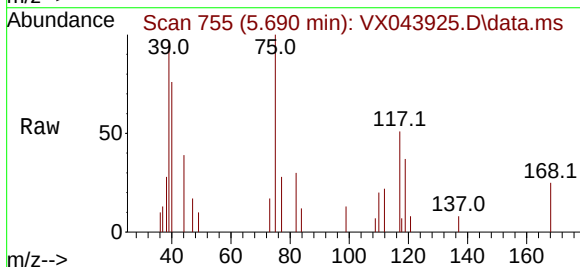
Tgt Ion: 75 Resp: 1993

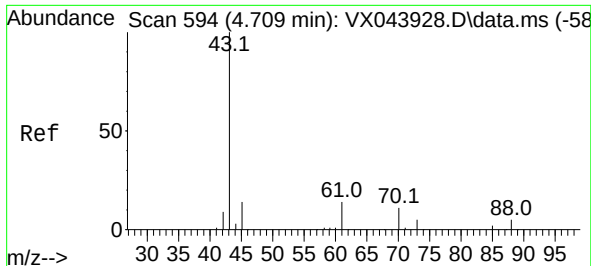
Ion Ratio Lower Upper

75 100

110 16.7 17.4 52.2#

77 36.6 25.8 38.8





#37

Ethyl Acetate

Concen: 0.567 ug/l

RT: 4.733 min Scan# 51

Delta R.T. 0.024 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

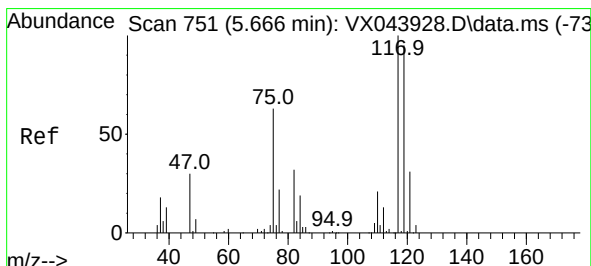
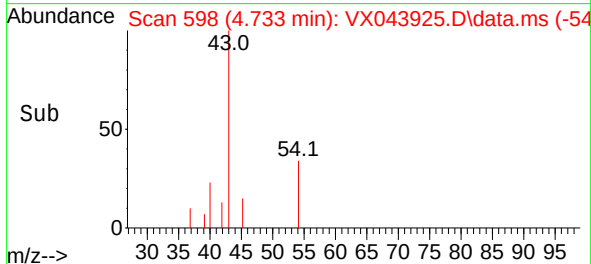
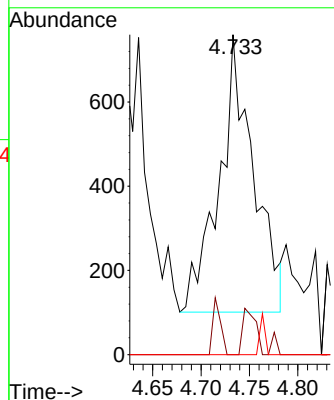
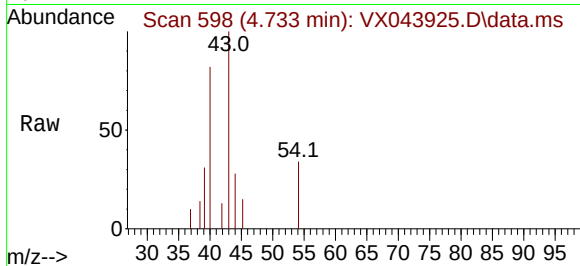
Tgt Ion: 43 Resp: 1632

Ion Ratio Lower Upper

43 100

61 6.3 10.7 16.1#

70 0.0 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 0.877 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

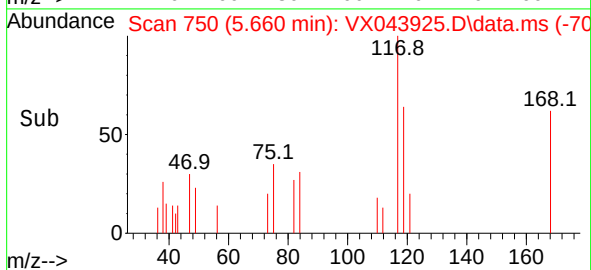
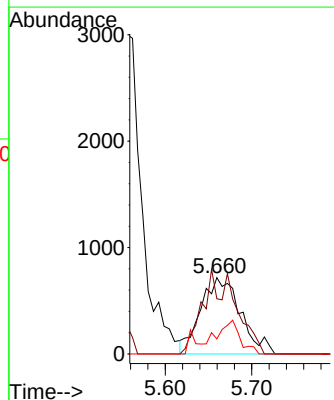
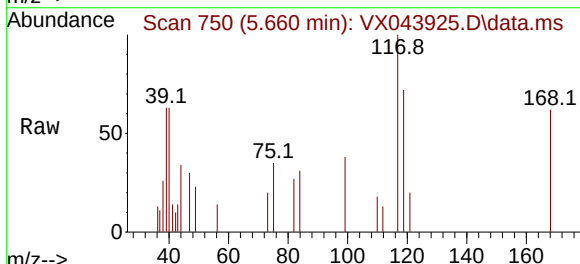
Tgt Ion: 117 Resp: 2287

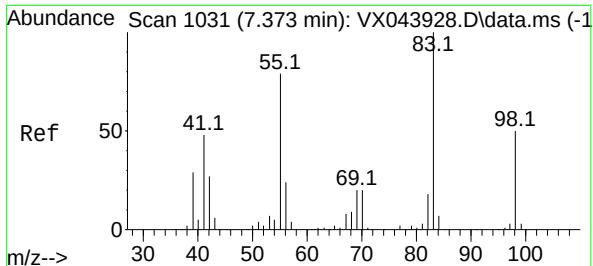
Ion Ratio Lower Upper

117 100

119 72.4 75.2 112.8#

121 19.7 24.5 36.7#

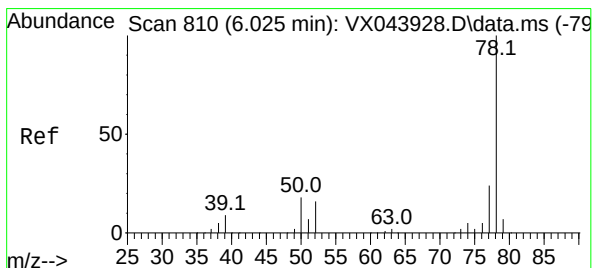
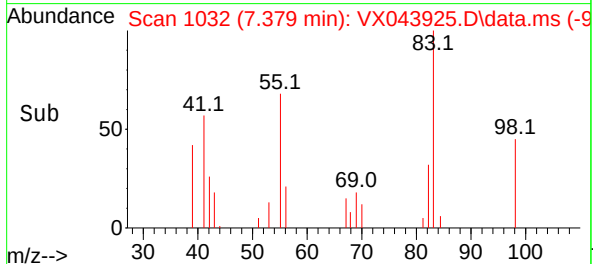
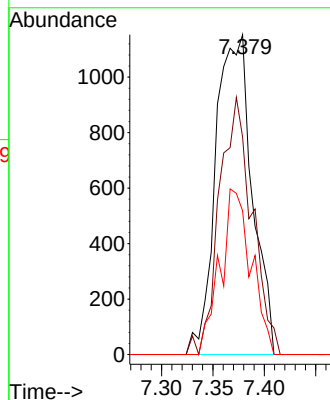
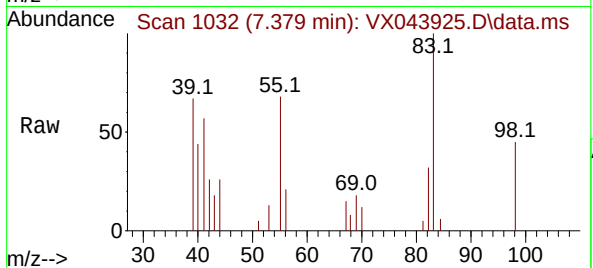




#39  
Methylcyclohexane  
Concen: 0.941 ug/l  
RT: 7.379 min Scan# 1031  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

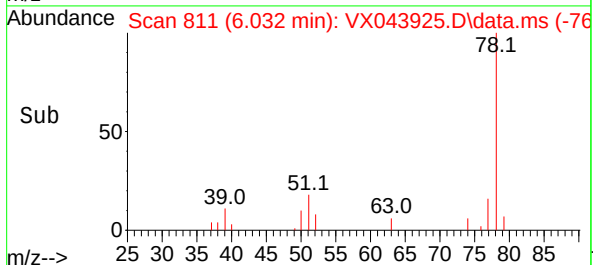
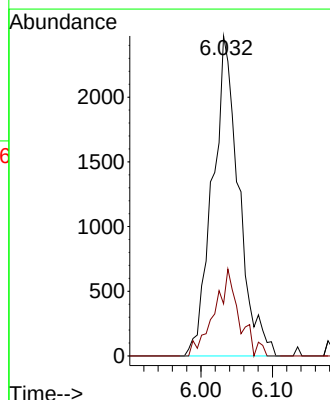
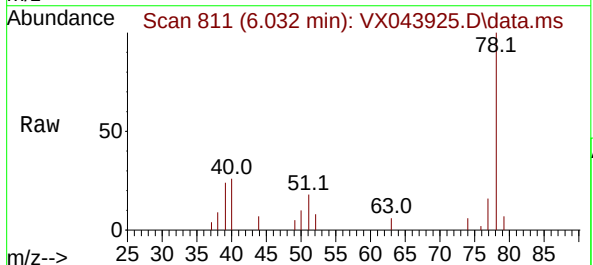
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

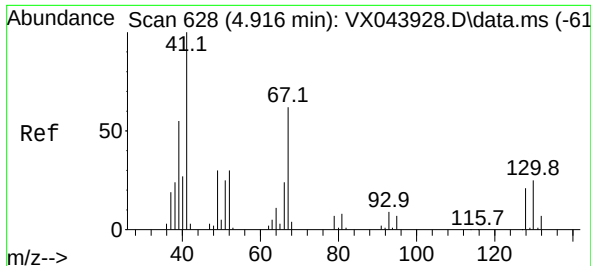
Tgt Ion: 83 Resp: 2835  
Ion Ratio Lower Upper  
83 100  
55 68.0 63.1 94.7  
98 44.9 40.0 60.0



#40  
Benzene  
Concen: 0.873 ug/l  
RT: 6.032 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 78 Resp: 6312  
Ion Ratio Lower Upper  
78 100  
77 16.3 19.2 28.8#

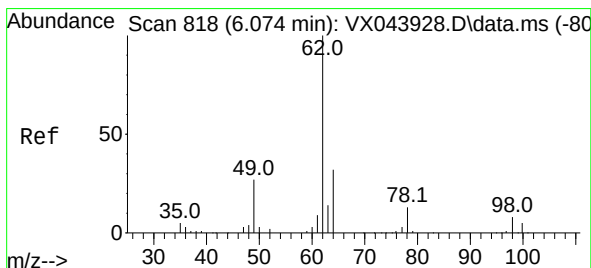
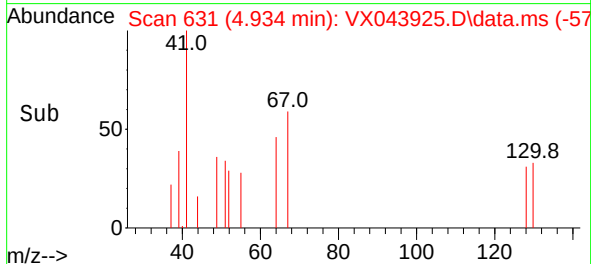
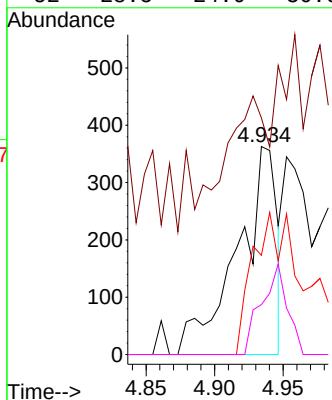
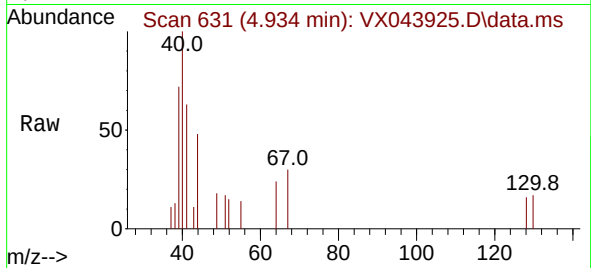




#41  
Methacrylonitrile  
Concen: 0.491 ug/l  
RT: 4.934 min Scan# 61  
Delta R.T. 0.018 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

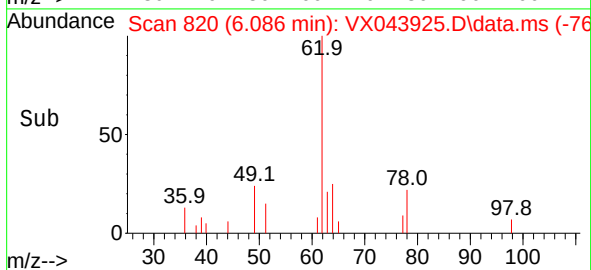
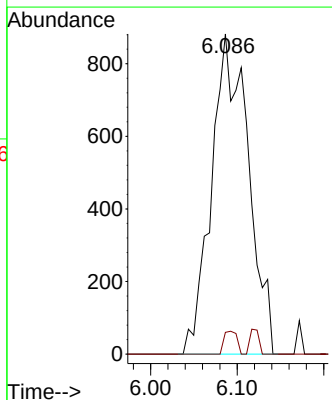
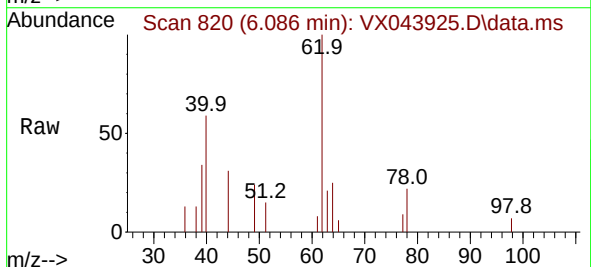
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

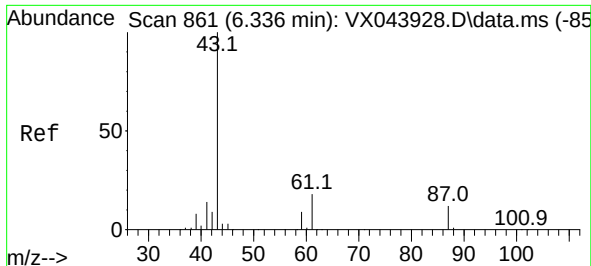
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 724   |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 34.9  | 41.7  | 62.5# |
| 67       | 89.8  | 55.8  | 83.8# |
| 52       | 28.5  | 24.0  | 36.0  |



#42  
1,2-Dichloroethane  
Concen: 0.896 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.012 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 2602  |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 2.5   | 0.0   | 16.4  |





#43

Isopropyl Acetate

Concen: 0.847 ug/l

RT: 6.355 min Scan# 864

Delta R.T. 0.018 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

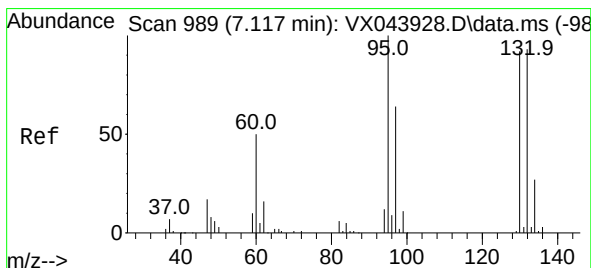
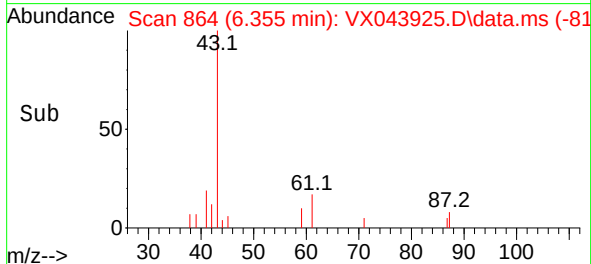
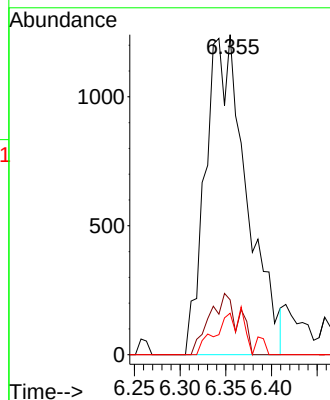
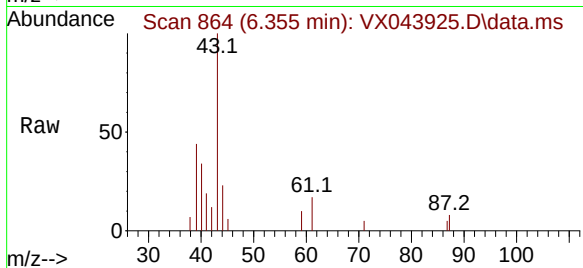
Tgt Ion: 43 Resp: 3881

Ion Ratio Lower Upper

43 100

61 13.8 14.5 21.7#

87 8.9 10.2 15.2#



#44

Trichloroethene

Concen: 1.393 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043925.D

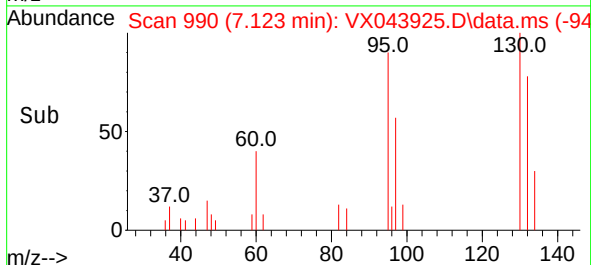
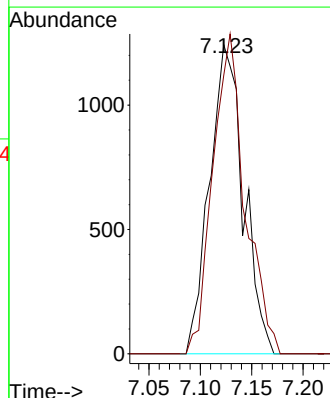
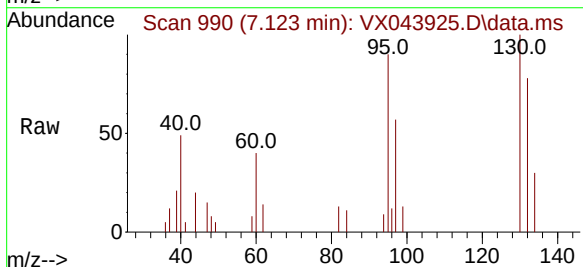
Acq: 21 Nov 2024 09:47

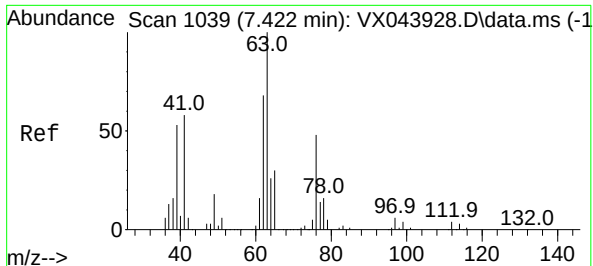
Tgt Ion:130 Resp: 2850

Ion Ratio Lower Upper

130 100

95 90.0 0.0 217.8





#45

1,2-Dichloropropane

Concen: 0.849 ug/l

RT: 7.428 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

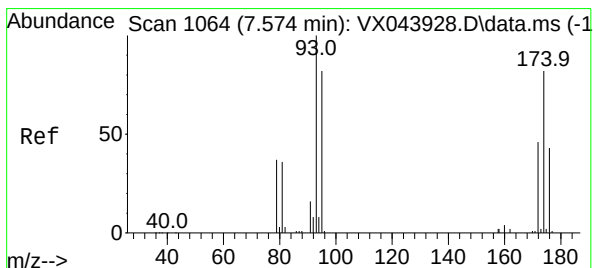
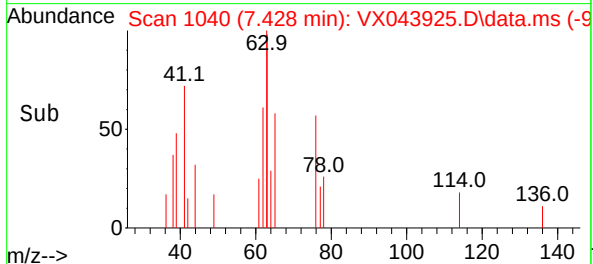
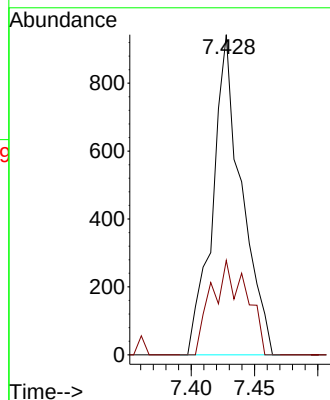
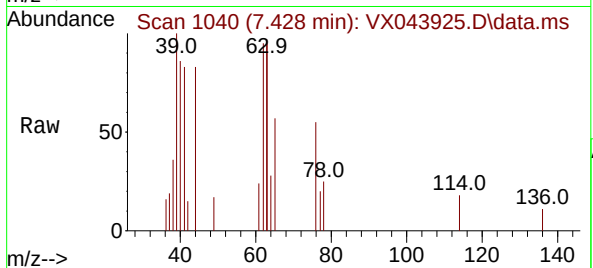
VSTDIC001

Tgt Ion: 63 Resp: 1503

Ion Ratio Lower Upper

63 100

65 29.5 23.8 35.6



#46

Dibromomethane

Concen: 0.890 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

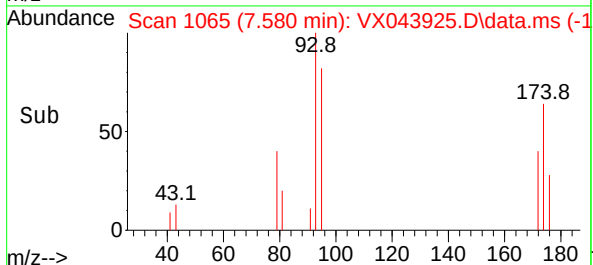
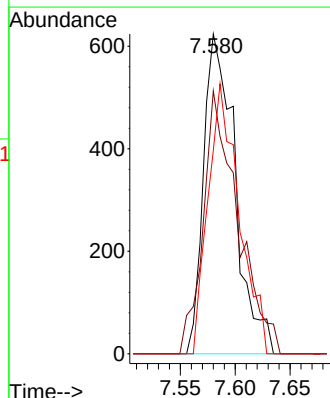
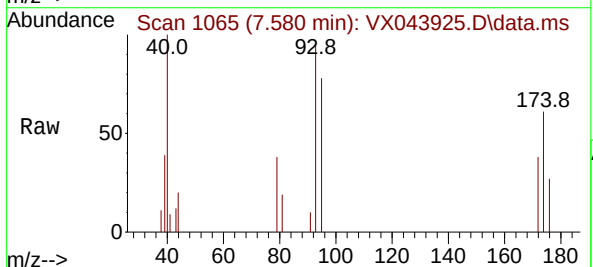
Tgt Ion: 93 Resp: 1246

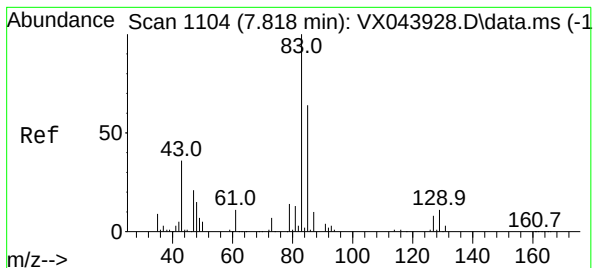
Ion Ratio Lower Upper

93 100

95 90.4 66.2 99.4

174 83.1 69.6 104.4





#47

Bromodichloromethane

Concen: 0.724 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

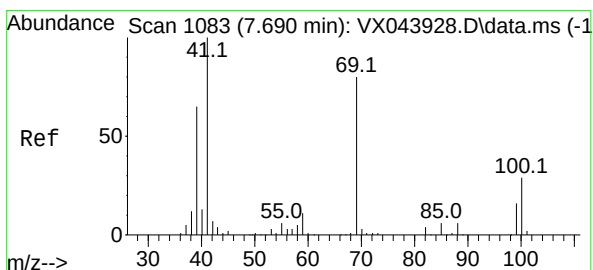
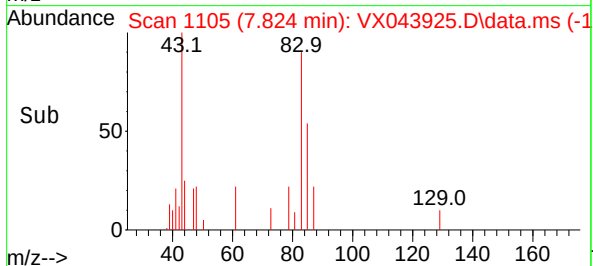
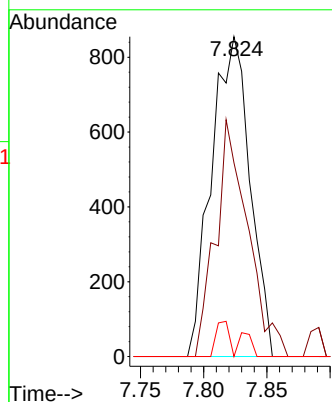
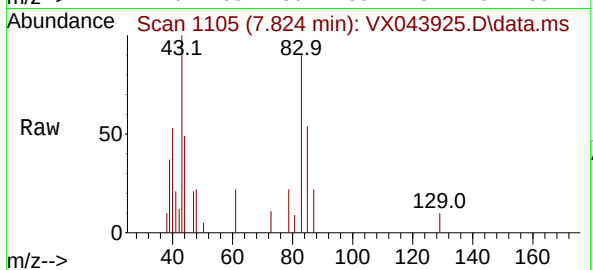
Tgt Ion: 83 Resp: 1819

Ion Ratio Lower Upper

83 100

85 60.6 51.4 77.0

127 0.0 6.6 10.0#



#48

Methyl methacrylate

Concen: 0.687 ug/l

RT: 7.702 min Scan# 1085

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

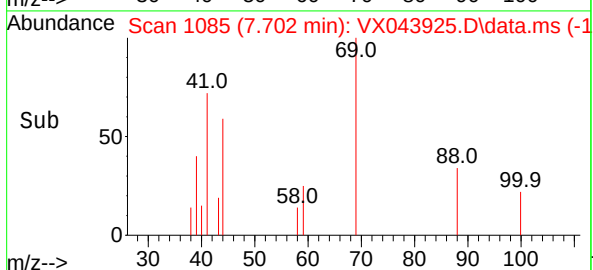
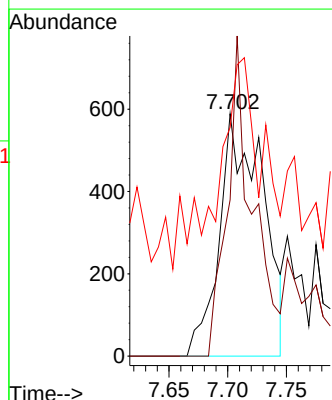
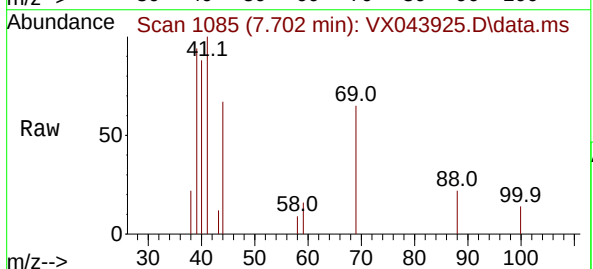
Tgt Ion: 41 Resp: 1511

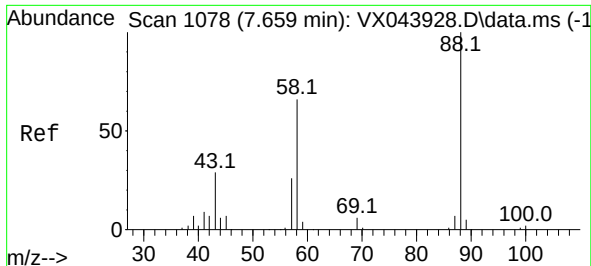
Ion Ratio Lower Upper

41 100

69 76.8 64.6 97.0

39 53.8 53.3 79.9





#49

1,4-Dioxane

Concen: 16.166 ug/l

RT: 7.671 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

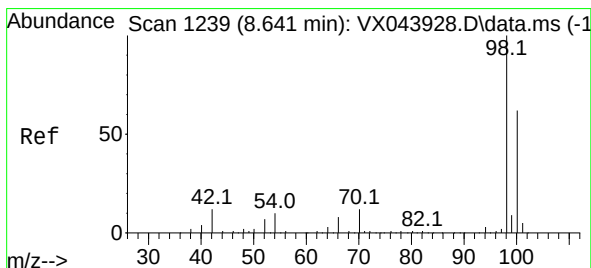
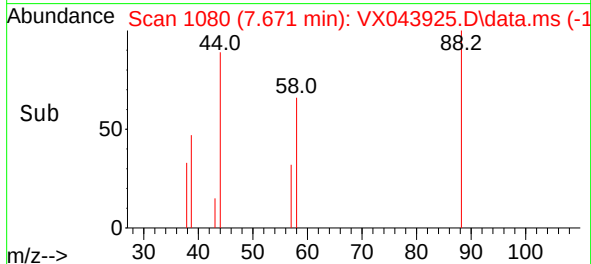
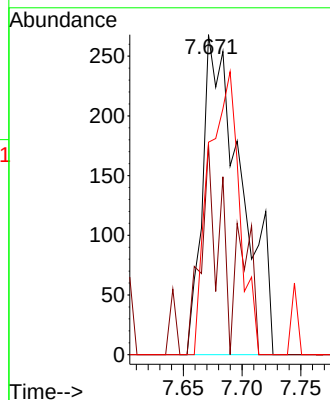
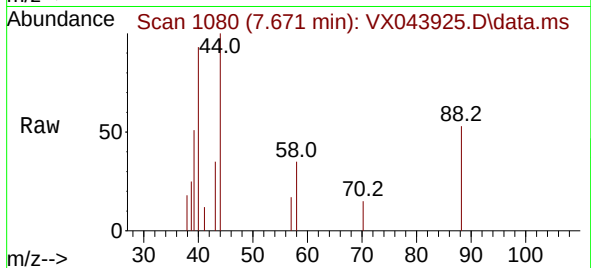
Tgt Ion: 88 Resp: 613

Ion Ratio Lower Upper

88 100

43 31.0 26.8 40.2

58 0.0 45.4 68.2#



#50

Toluene-d8

Concen: 1.132 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043925.D

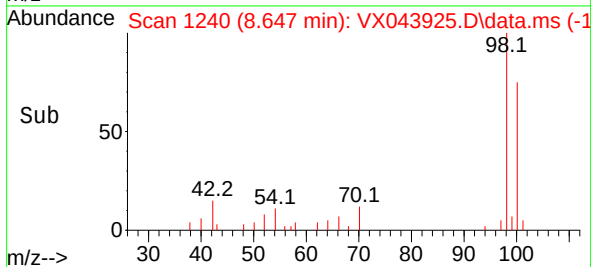
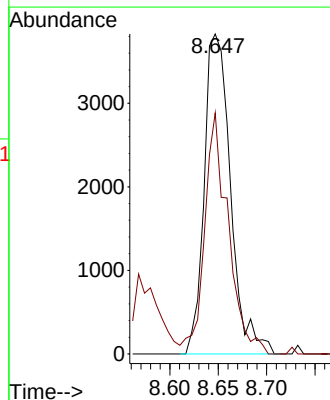
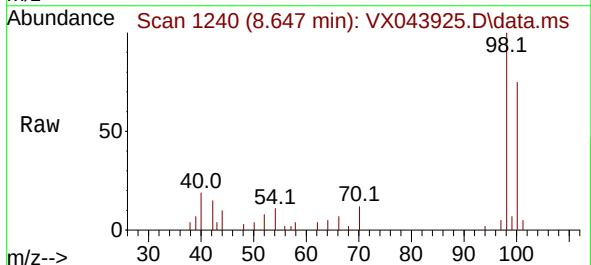
Acq: 21 Nov 2024 09:47

Tgt Ion: 98 Resp: 7267

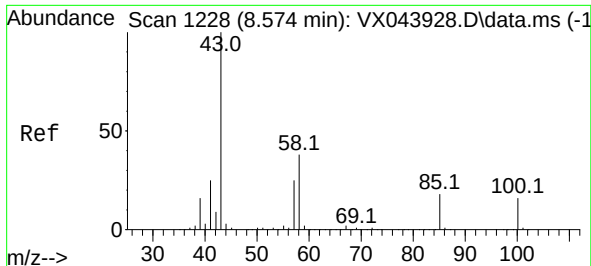
Ion Ratio Lower Upper

98 100

100 67.5 52.6 79.0



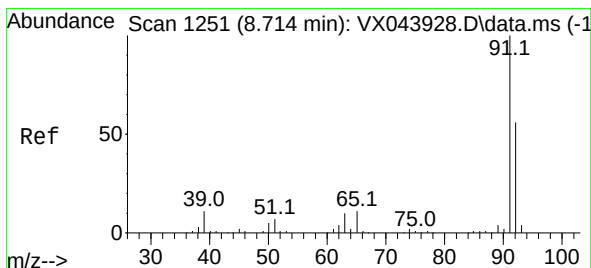
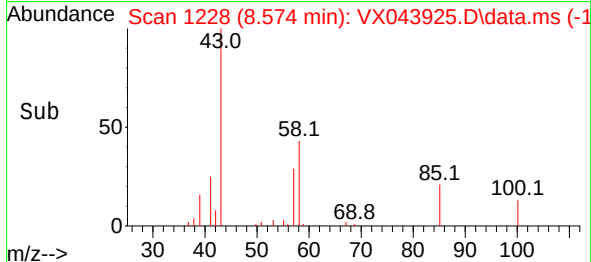
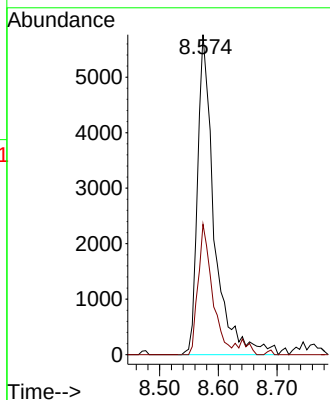
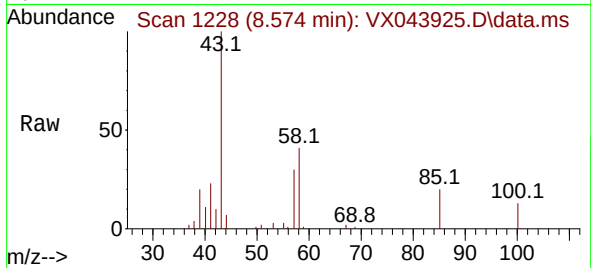




#51  
4-Methyl-2-Pentanone  
Concen: 4.073 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

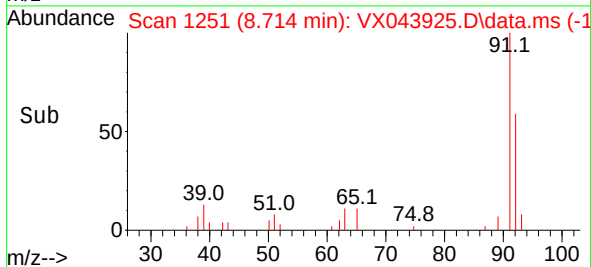
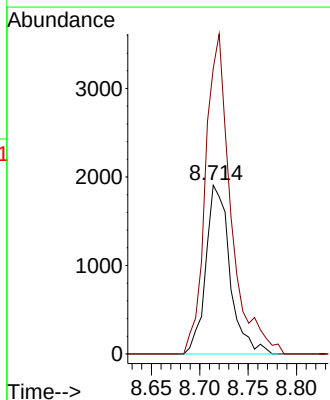
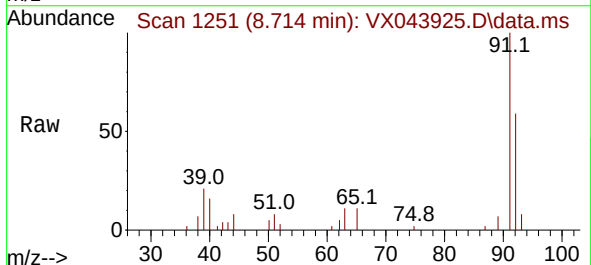
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

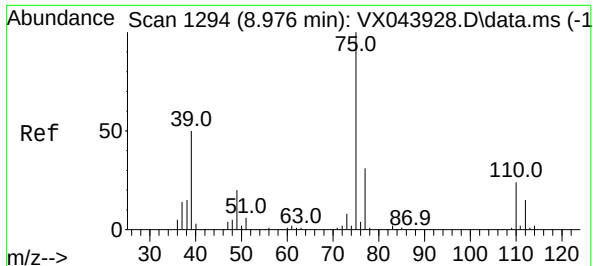
Tgt Ion: 43 Resp: 11392  
Ion Ratio Lower Upper  
43 100  
58 34.9 30.0 45.0



#52  
Toluene  
Concen: 0.766 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 92 Resp: 3313  
Ion Ratio Lower Upper  
92 100  
91 199.1 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 0.694 ug/l

RT: 8.988 min Scan# 1194

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

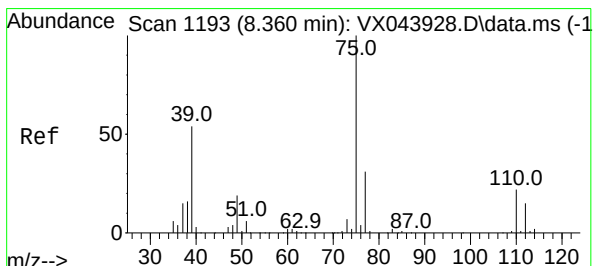
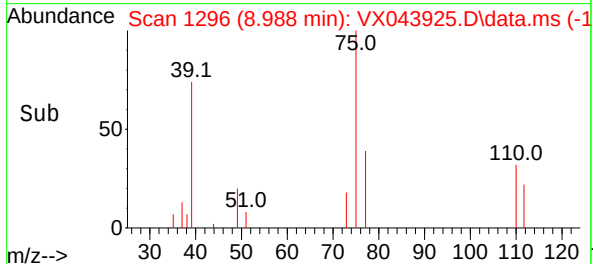
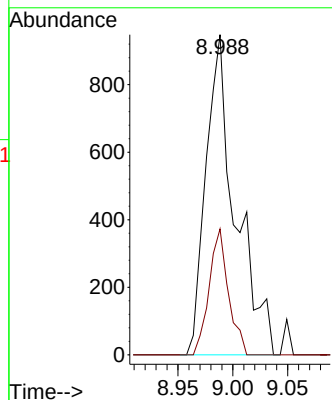
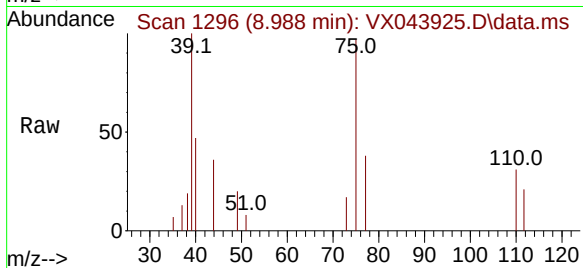
VSTDIC001

Tgt Ion: 75 Resp: 1776

Ion Ratio Lower Upper

75 100

77 39.3 25.1 37.7#



#54

cis-1,3-Dichloropropene

Concen: 0.759 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

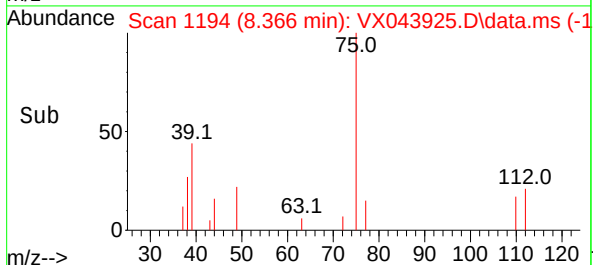
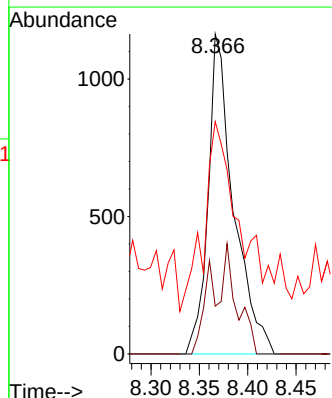
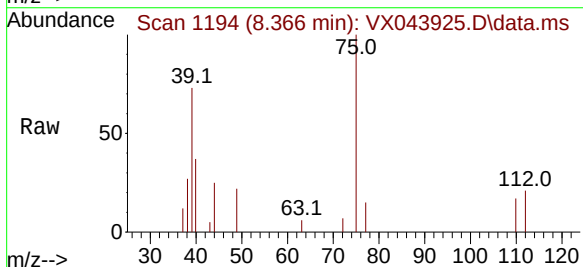
Tgt Ion: 75 Resp: 2132

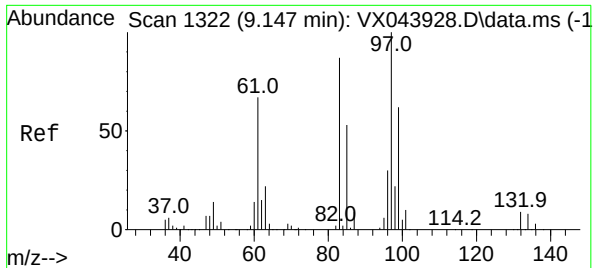
Ion Ratio Lower Upper

75 100

77 14.9 25.2 37.8#

39 59.3 43.1 64.7

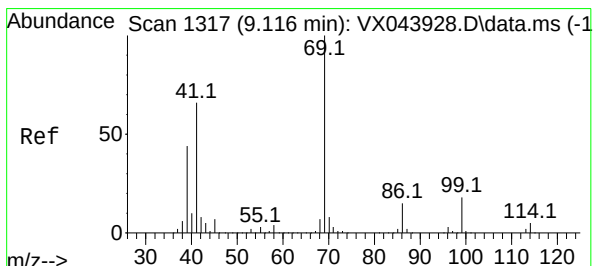
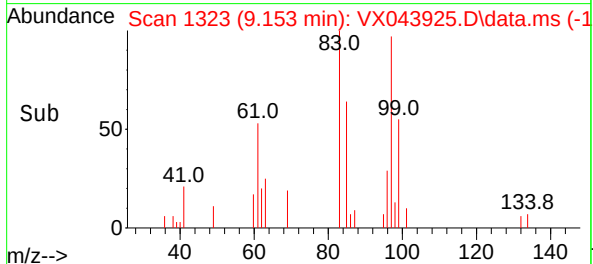
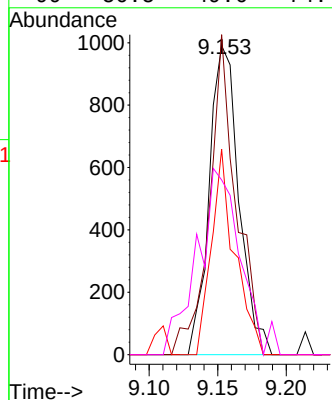
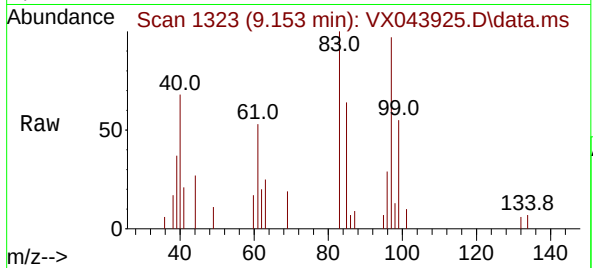




#55  
1,1,2-Trichloroethane  
Concen: 0.838 ug/l  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

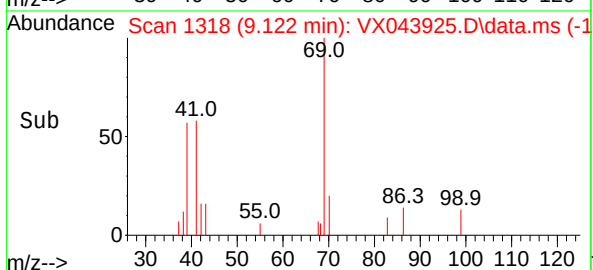
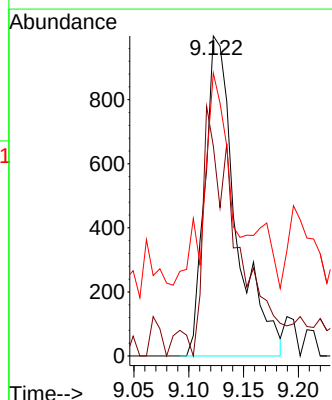
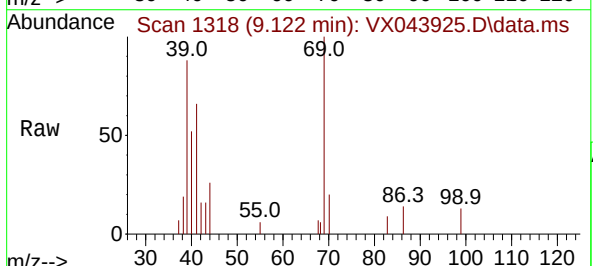
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

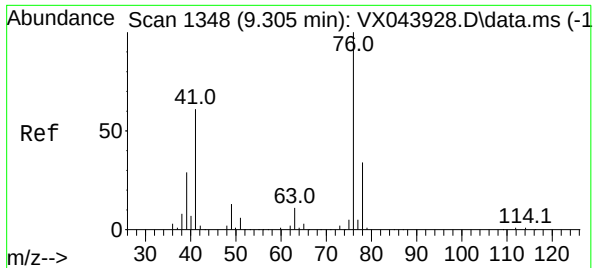
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 1496  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 103.5 | 69.4  | 104.0 |
| 85       | 66.5  | 42.3  | 63.5# |
| 99       | 56.5  | 49.6  | 74.4  |



#56  
Ethyl methacrylate  
Concen: 0.709 ug/l  
RT: 9.122 min Scan# 1318  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 1973  |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 85.3  | 55.8  | 83.8# |
| 39       | 56.7  | 36.7  | 55.1# |

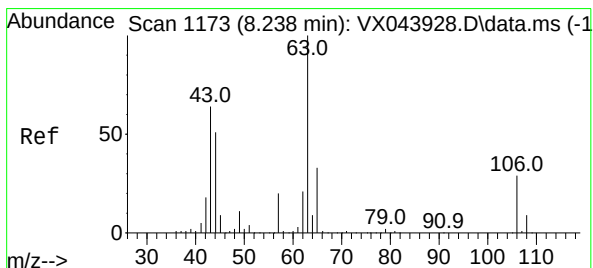
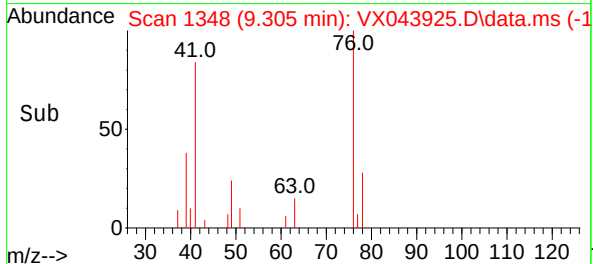
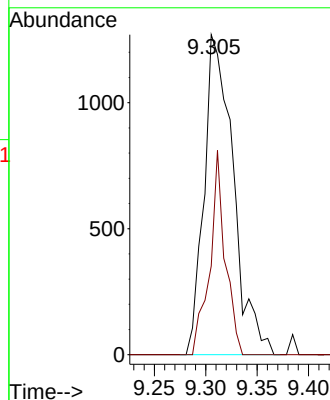
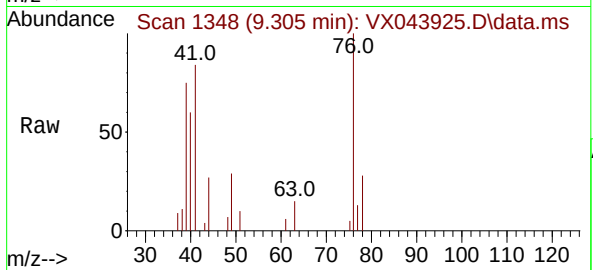




#57  
1,3-Dichloropropane  
Concen: 0.832 ug/l  
RT: 9.305 min Scan# 1174  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

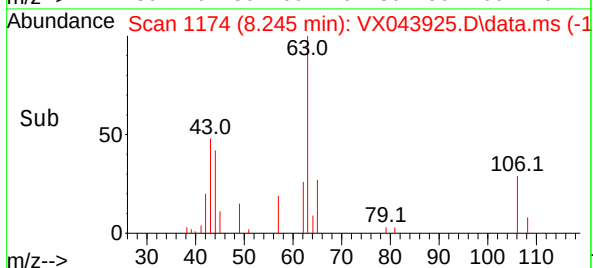
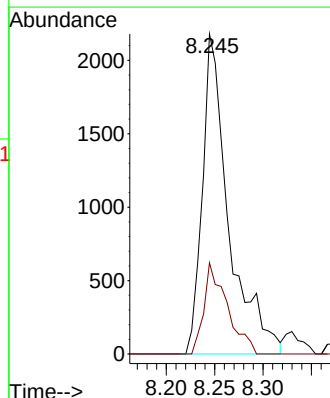
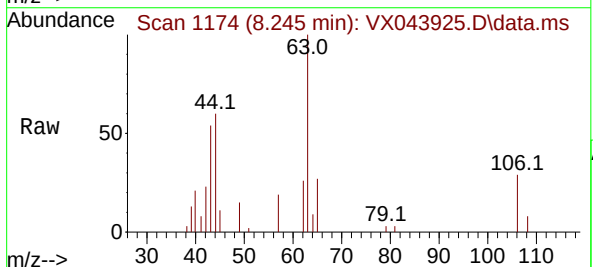
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

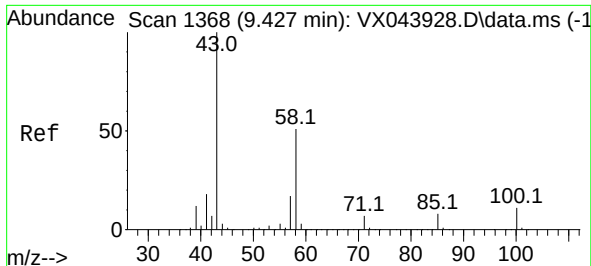
Tgt Ion: 76 Resp: 2502  
Ion Ratio Lower Upper  
76 100  
78 33.6 26.0 39.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 2.662 ug/l  
RT: 8.245 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 63 Resp: 4135  
Ion Ratio Lower Upper  
63 100  
106 25.2 23.0 34.6

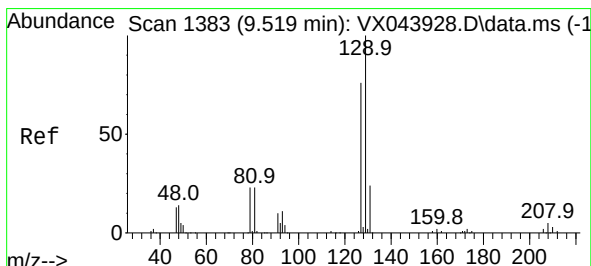
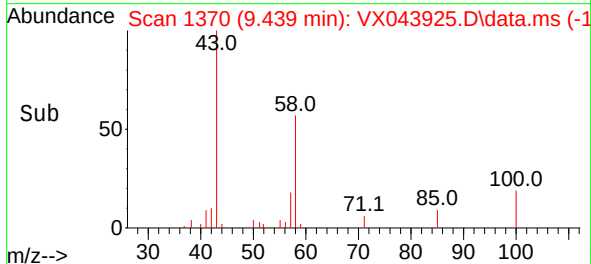
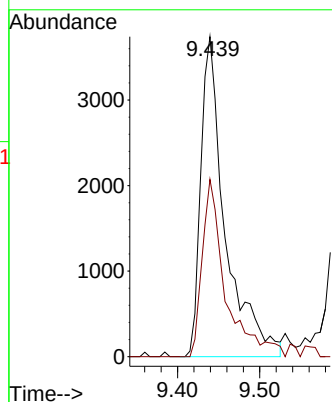
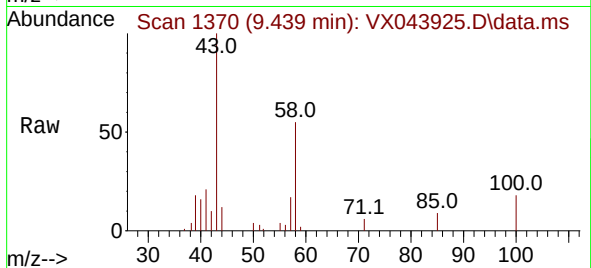




#59  
2-Hexanone  
Concen: 3.675 ug/l  
RT: 9.439 min Scan# 1370  
Delta R.T. 0.012 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

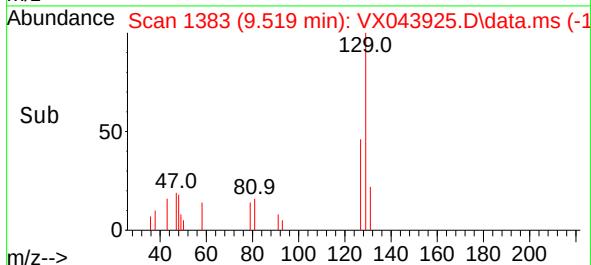
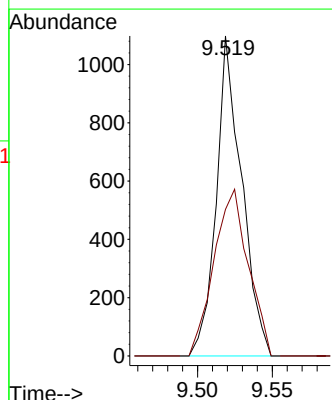
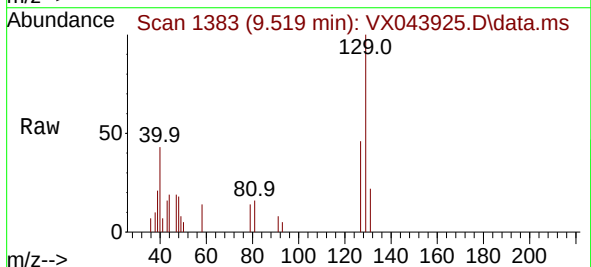
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

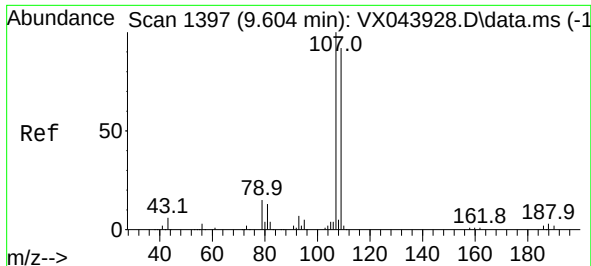
Tgt Ion: 43 Resp: 7726  
Ion Ratio Lower Upper  
43 100  
58 52.6 25.9 77.6



#60  
Dibromochloromethane  
Concen: 0.723 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 129 Resp: 1296  
Ion Ratio Lower Upper  
129 100  
127 70.6 38.2 114.6

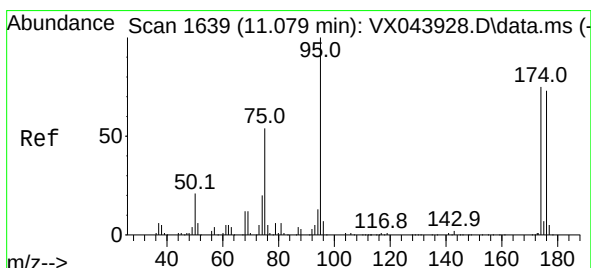
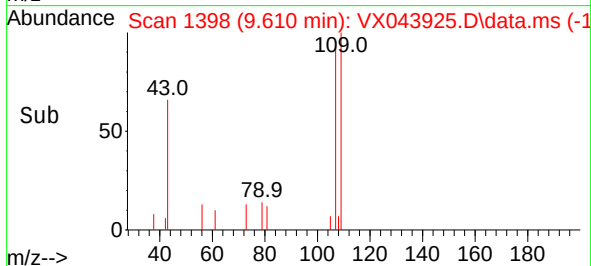
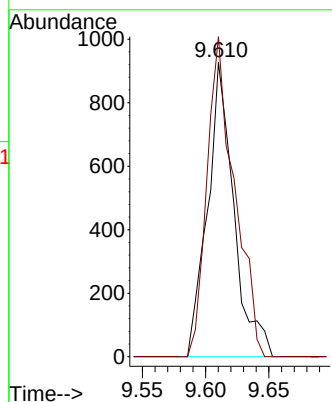
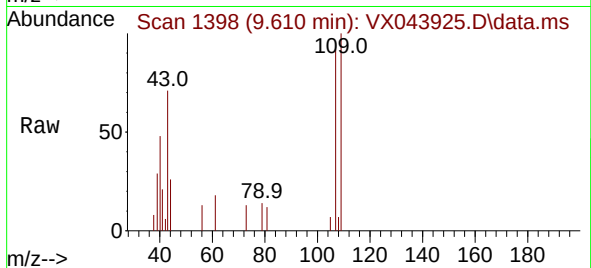




#61  
1,2-Dibromoethane  
Concen: 0.743 ug/l  
RT: 9.610 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

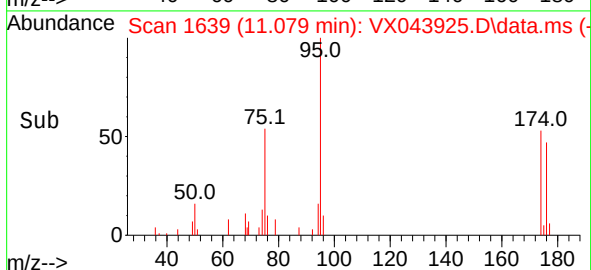
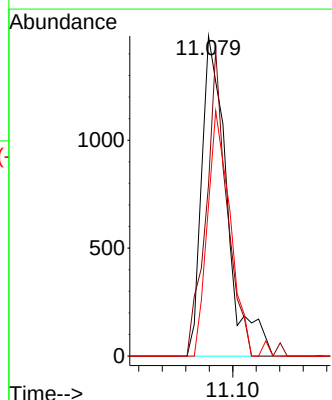
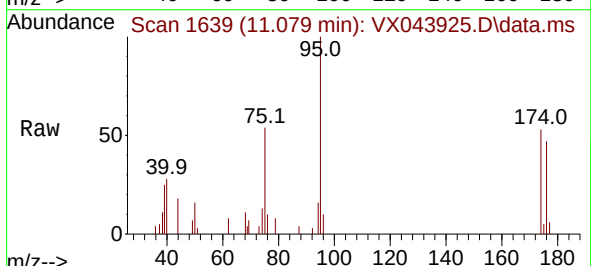
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

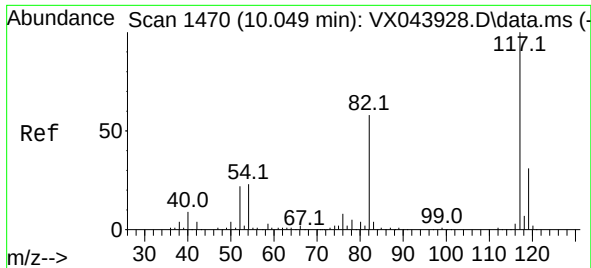
Tgt Ion:107 Resp: 1342  
Ion Ratio Lower Upper  
107 100  
109 113.3 75.2 112.8#



#62  
4-Bromofluorobenzene  
Concen: 1.015 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 95 Resp: 2216  
Ion Ratio Lower Upper  
95 100  
174 78.8 0.0 150.4  
176 68.4 0.0 146.0

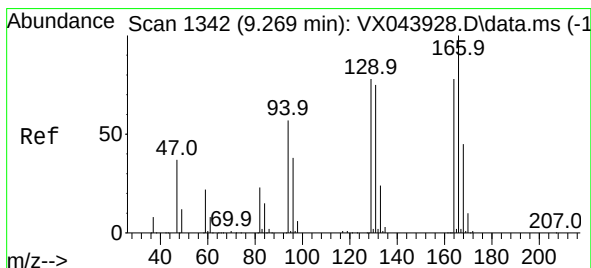
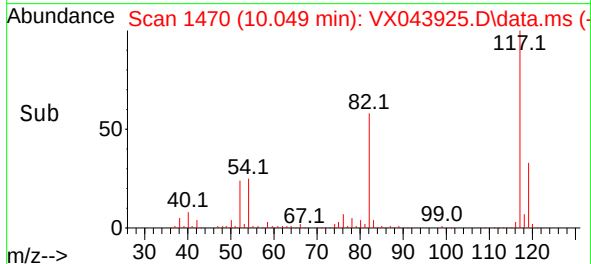
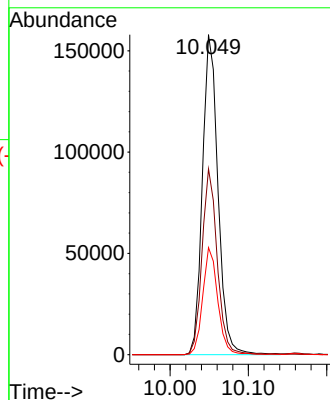
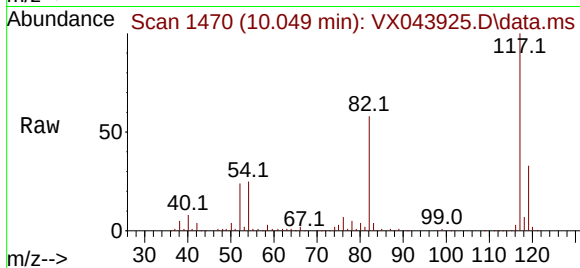




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

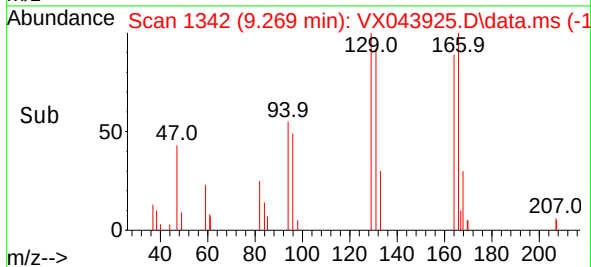
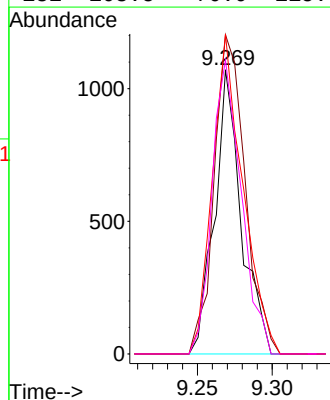
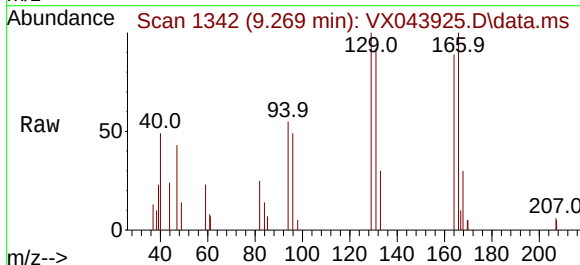
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

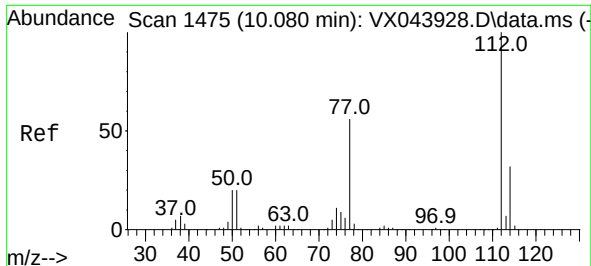
Tgt Ion:117 Resp: 218244  
Ion Ratio Lower Upper  
117 100  
82 58.1 46.4 69.6  
119 33.5 24.6 37.0



#64  
Tetrachloroethene  
Concen: 0.924 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion:164 Resp: 1329  
Ion Ratio Lower Upper  
164 100  
166 112.3 102.1 153.1  
129 112.6 79.6 119.4  
131 103.5 76.9 115.3





#65

Chlorobenzene

Concen: 0.957 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

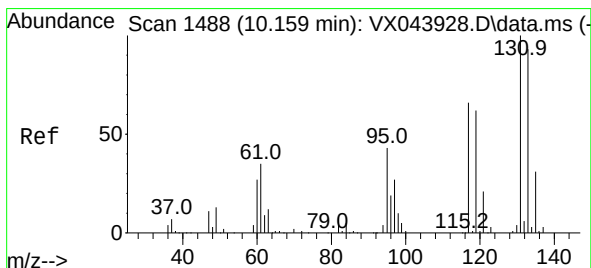
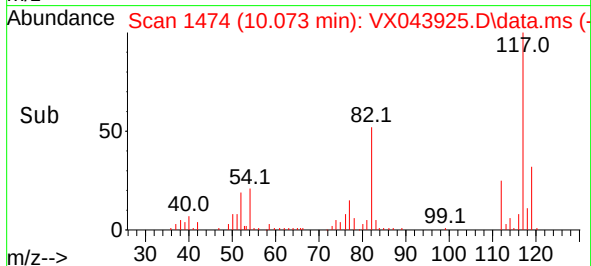
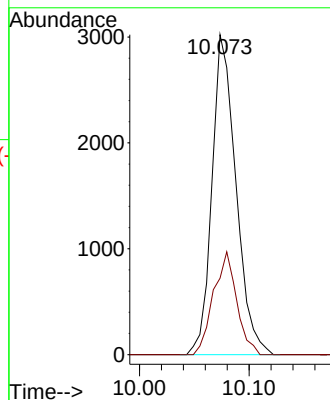
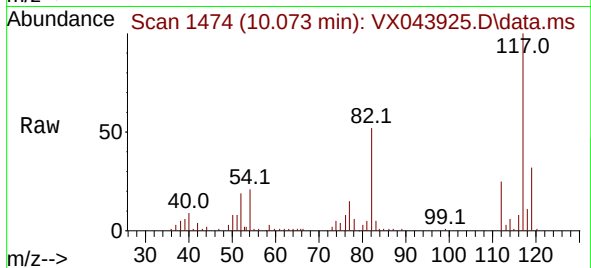
VSTDIC001

Tgt Ion:112 Resp: 4585

Ion Ratio Lower Upper

112 100

114 23.9 25.4 38.0#



#66

1,1,1,2-Tetrachloroethane

Concen: 0.731 ug/l

RT: 10.165 min Scan# 1489

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

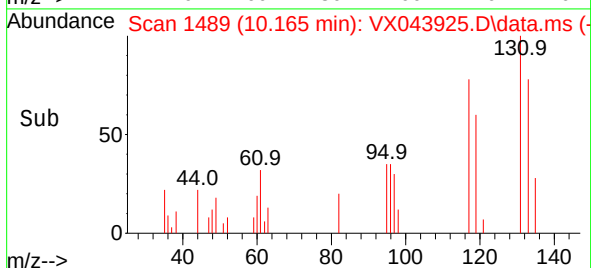
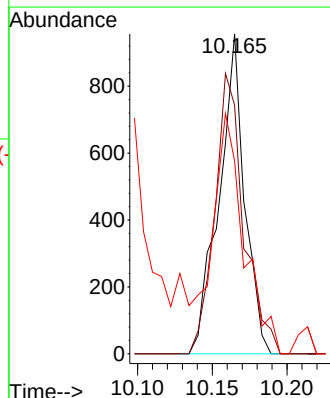
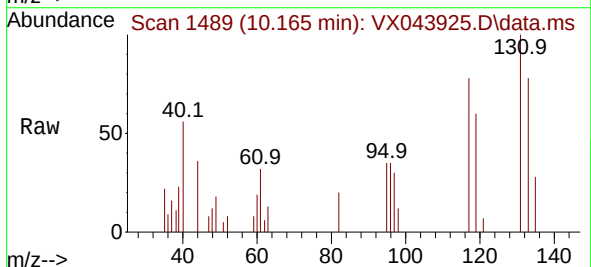
Tgt Ion:131 Resp: 1136

Ion Ratio Lower Upper

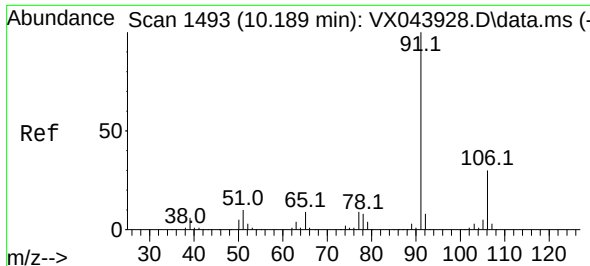
131 100

133 100.0 48.2 144.6

119 0.0 31.5 94.5#







#67

Ethyl Benzene

Concen: 0.848 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

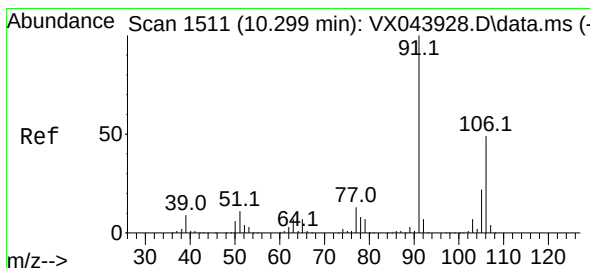
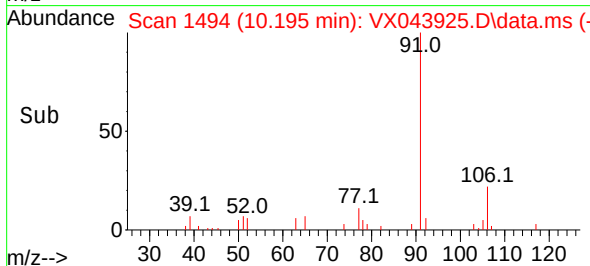
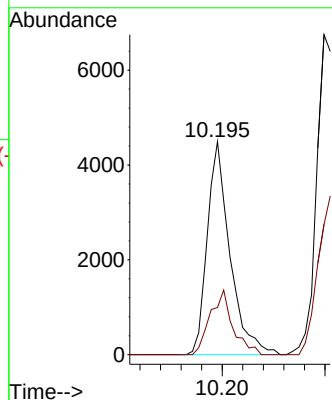
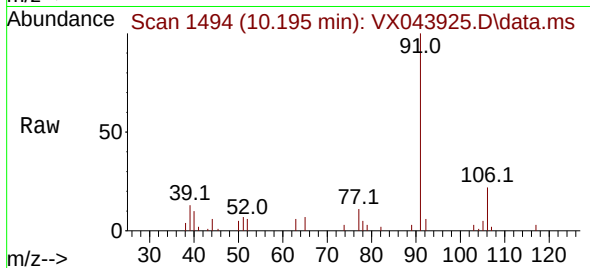
VSTDIC001

Tgt Ion: 91 Resp: 6890

Ion Ratio Lower Upper

91 100

106 22.2 23.6 35.4#



#68

m/p-Xylenes

Concen: 1.758 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043925.D

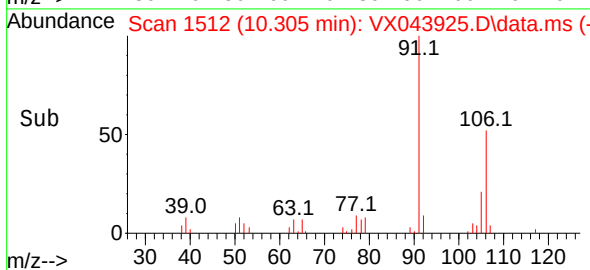
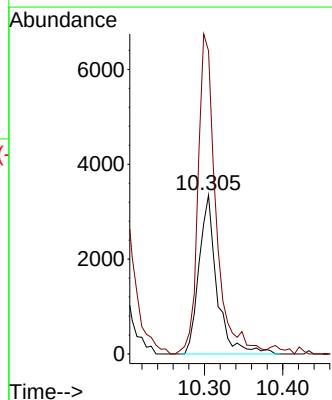
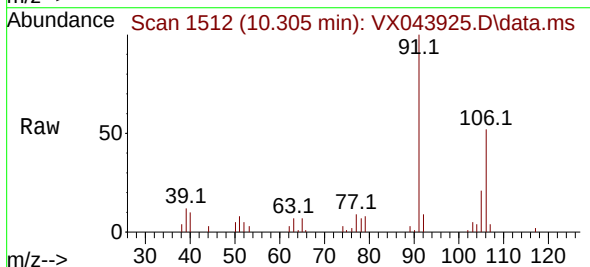
Acq: 21 Nov 2024 09:47

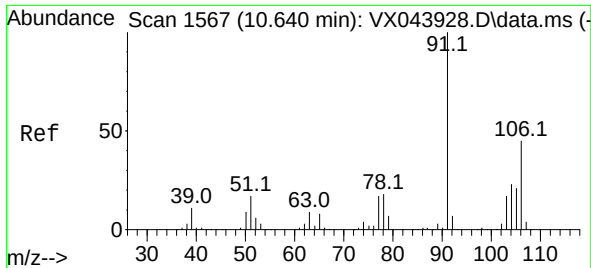
Tgt Ion:106 Resp: 5324

Ion Ratio Lower Upper

106 100

91 201.7 168.1 252.1





#69

o-Xylene

Concen: 0.801 ug/l

RT: 10.640 min Scan# 1571

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

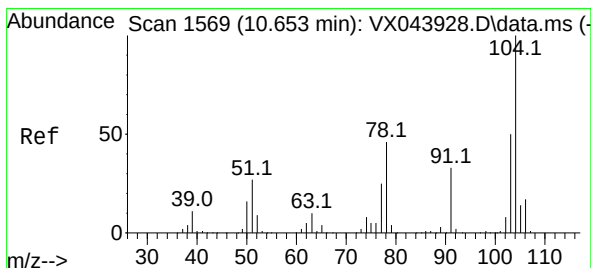
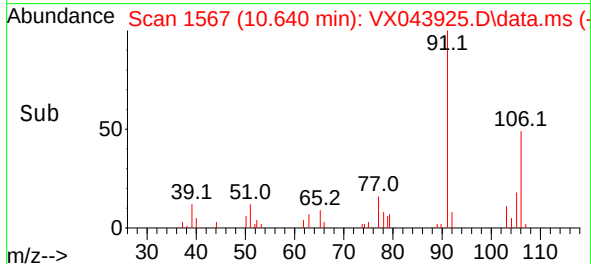
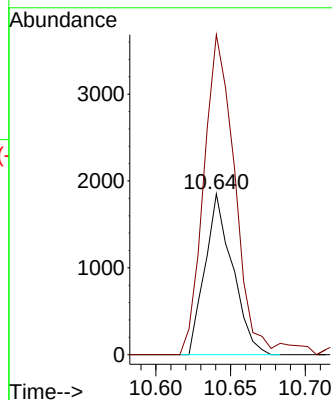
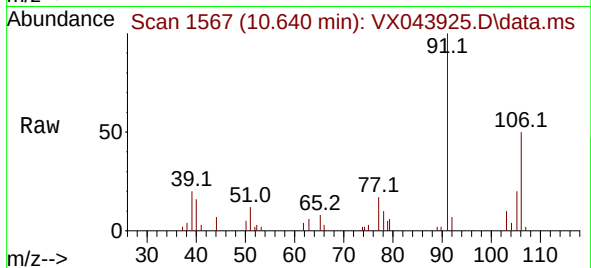
VSTDIC001

Tgt Ion:106 Resp: 2370

Ion Ratio Lower Upper

106 100

91 228.1 110.2 330.6



#70

Styrene

Concen: 0.767 ug/l

RT: 10.665 min Scan# 1571

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

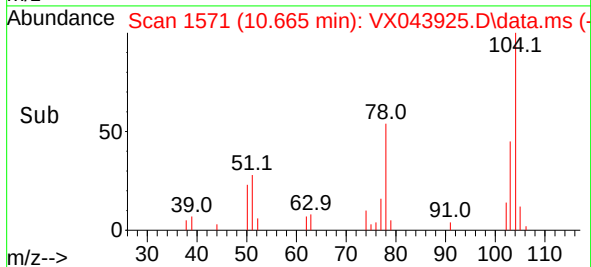
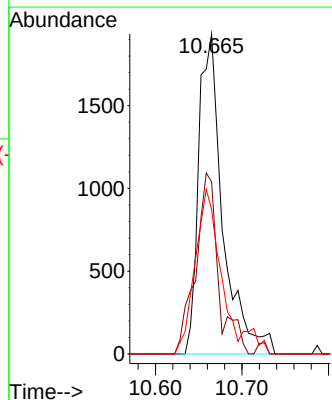
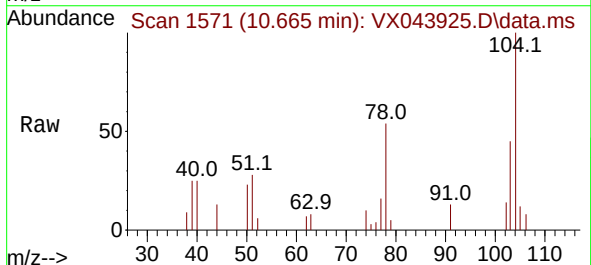
Tgt Ion:104 Resp: 3751

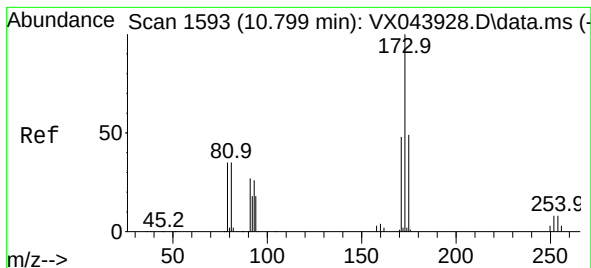
Ion Ratio Lower Upper

104 100

78 54.0 42.2 63.2

103 52.8 44.7 67.1





#71

Bromoform

Concen: 1.756 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

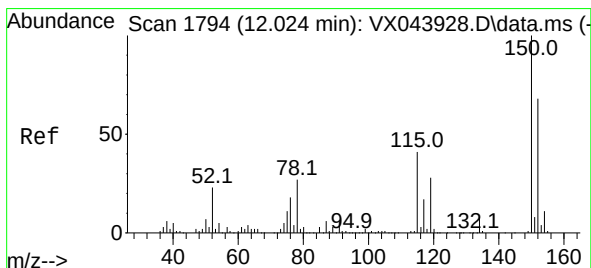
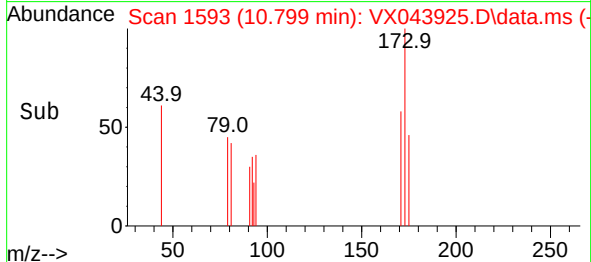
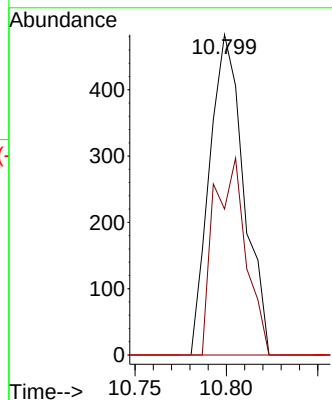
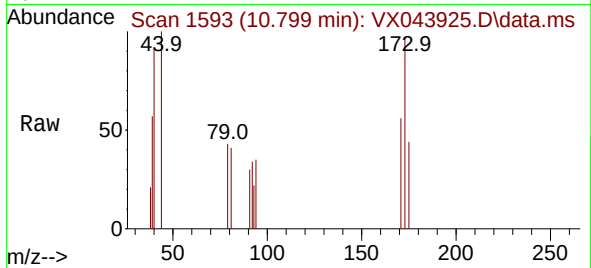
Tgt Ion:173 Resp: 632

Ion Ratio Lower Upper

173 100

175 57.1 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

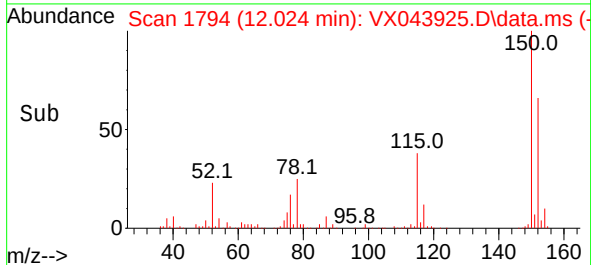
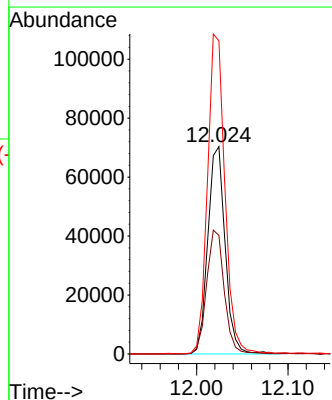
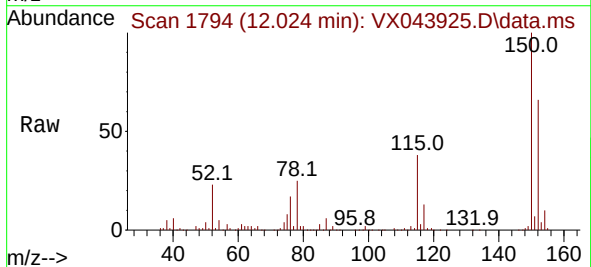
Tgt Ion:152 Resp: 92854

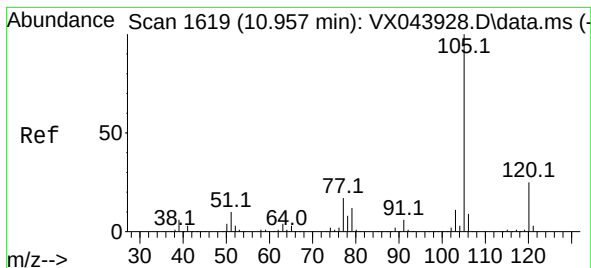
Ion Ratio Lower Upper

152 100

115 60.8 45.4 136.2

150 154.3 0.0 353.0





#73

Isopropylbenzene

Concen: 0.894 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

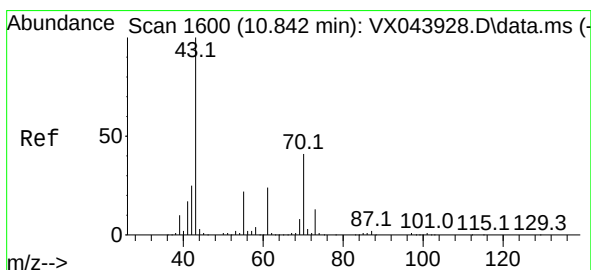
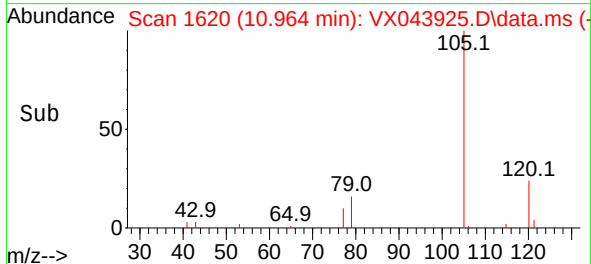
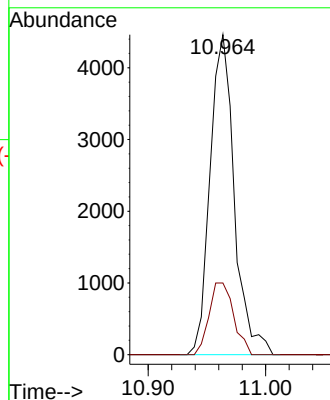
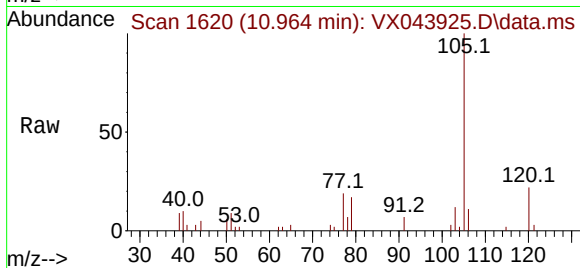
VSTDICC001

Tgt Ion:105 Resp: 6379

Ion Ratio Lower Upper

105 100

120 22.8 13.0 38.9



#74

N-ethyl acetate

Concen: 0.701 ug/l

RT: 10.848 min Scan# 1601

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Tgt Ion: 43 Resp: 2319

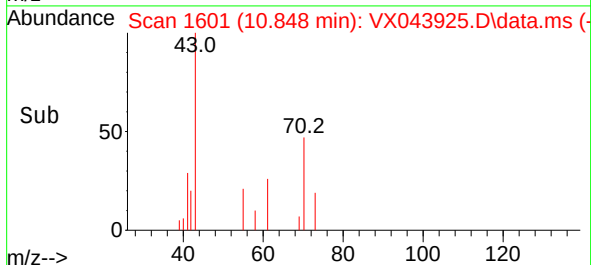
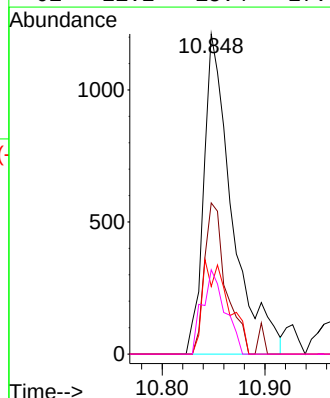
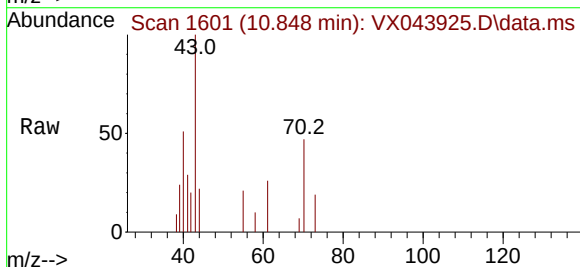
Ion Ratio Lower Upper

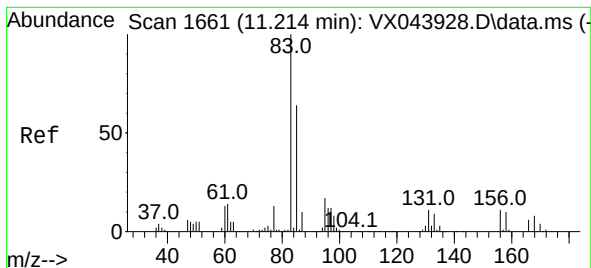
43 100

70 35.9 32.2 48.2

55 26.8 18.1 27.1

61 21.2 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 0.910 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

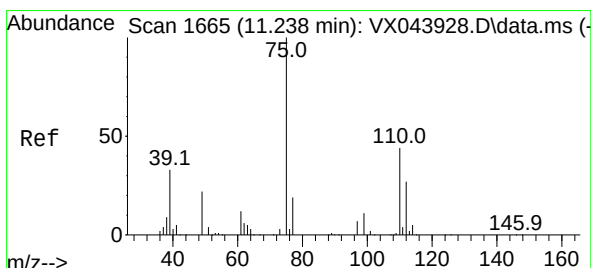
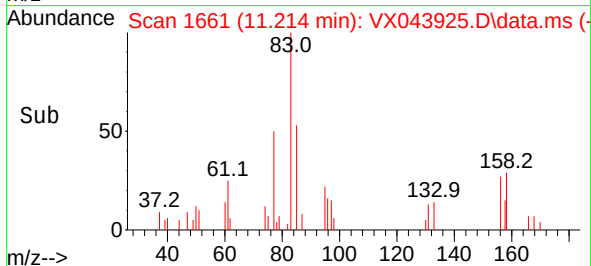
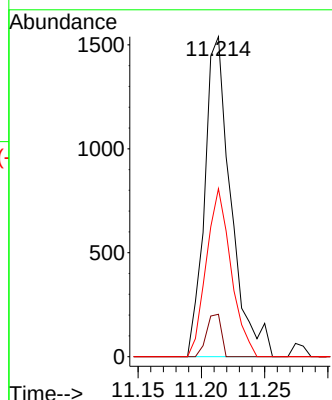
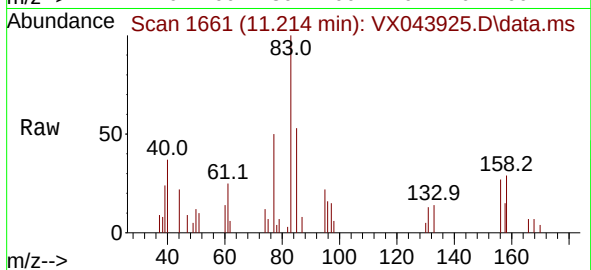
Tgt Ion: 83 Resp: 2224

Ion Ratio Lower Upper

83 100

131 7.5 5.1 15.2

85 49.5 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 1.037 ug/l

RT: 11.244 min Scan# 1666

Delta R.T. 0.006 min

Lab File: VX043925.D

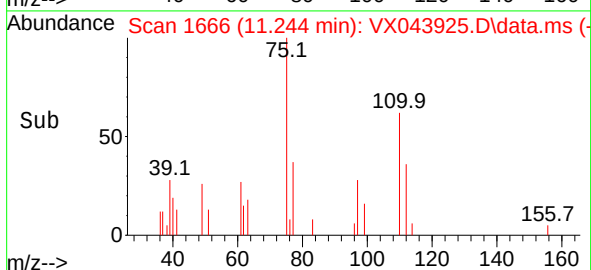
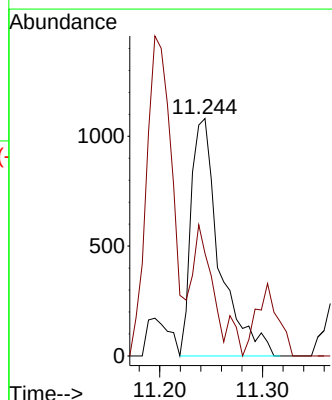
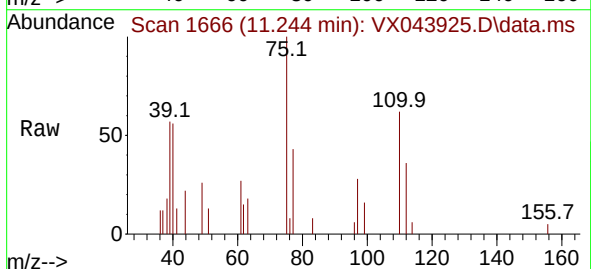
Acq: 21 Nov 2024 09:47

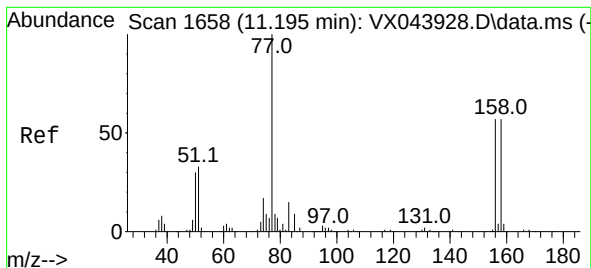
Tgt Ion: 75 Resp: 2077

Ion Ratio Lower Upper

75 100

77 41.9 21.8 65.3





#77

Bromobenzene

Concen: 0.866 ug/l

RT: 11.201 min Scan# 1659

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

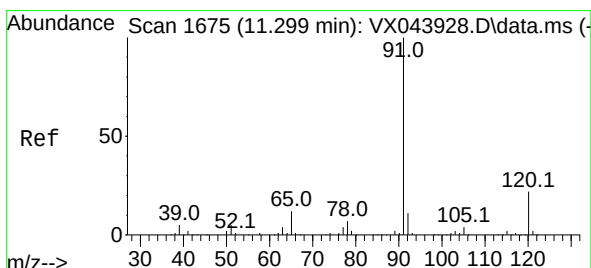
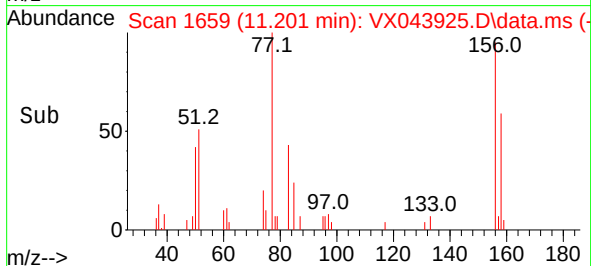
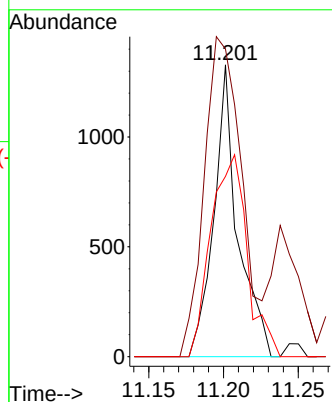
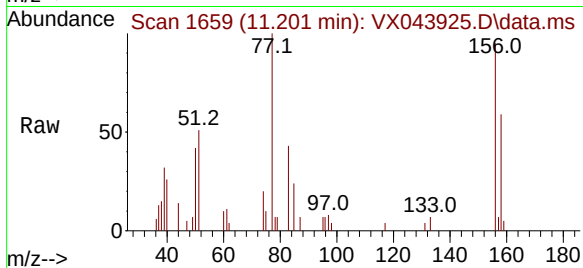
Tgt Ion:156 Resp: 1475

Ion Ratio Lower Upper

156 100

77 171.7 83.4 250.1

158 105.1 47.6 142.8



#78

n-propylbenzene

Concen: 0.854 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043925.D

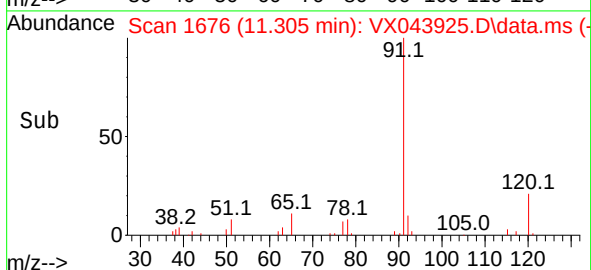
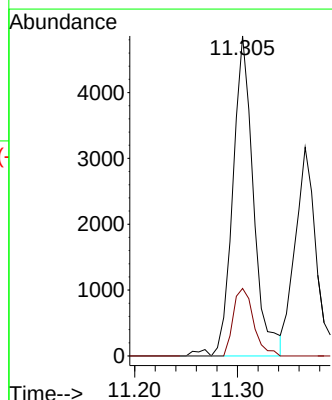
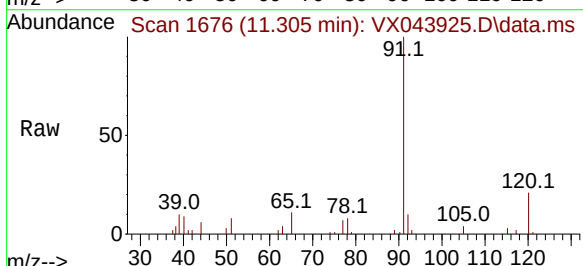
Acq: 21 Nov 2024 09:47

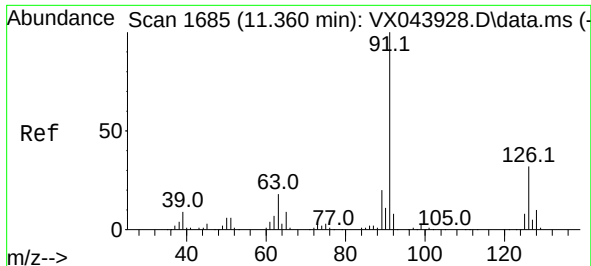
Tgt Ion: 91 Resp: 6810

Ion Ratio Lower Upper

91 100

120 20.6 11.5 34.4





#79

2-Chlorotoluene

Concen: 0.916 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

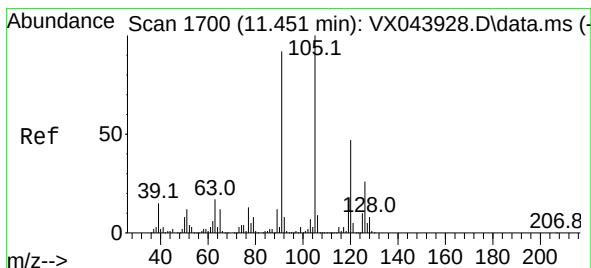
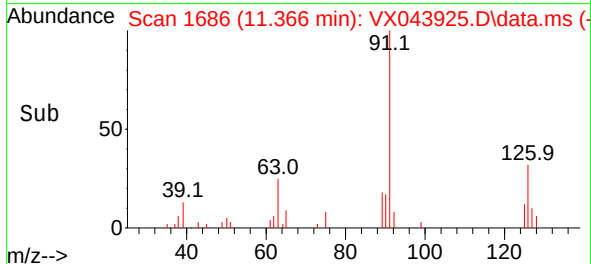
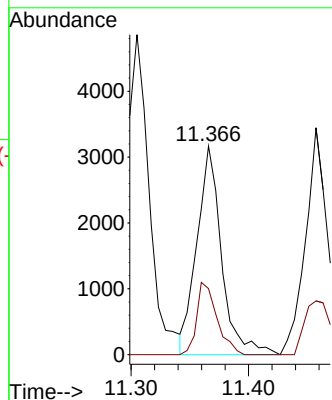
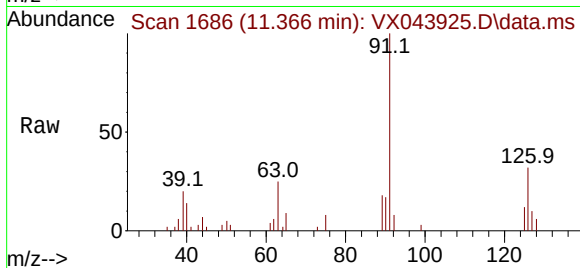
VSTDICC001

Tgt Ion: 91 Resp: 4618

Ion Ratio Lower Upper

91 100

126 28.5 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 0.855 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043925.D

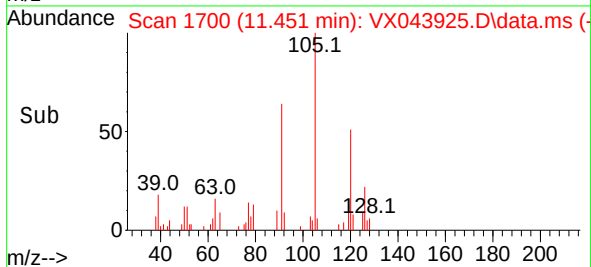
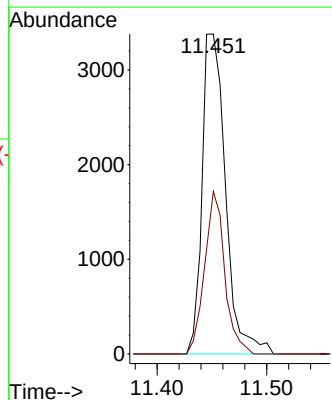
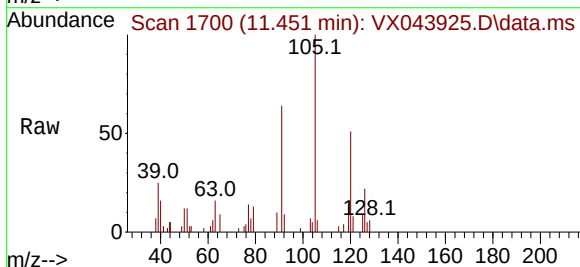
Acq: 21 Nov 2024 09:47

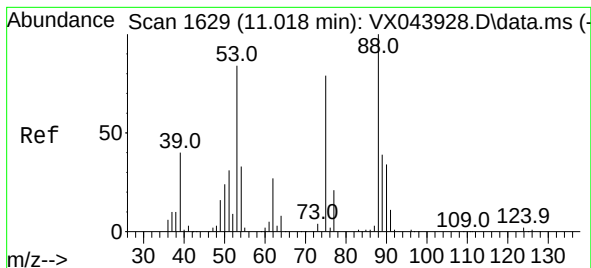
Tgt Ion: 105 Resp: 5022

Ion Ratio Lower Upper

105 100

120 43.6 23.3 69.8

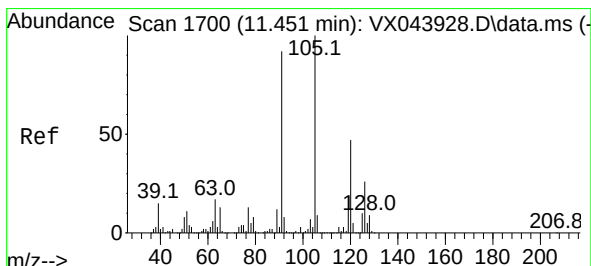
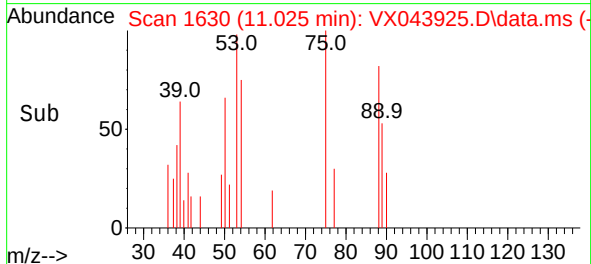
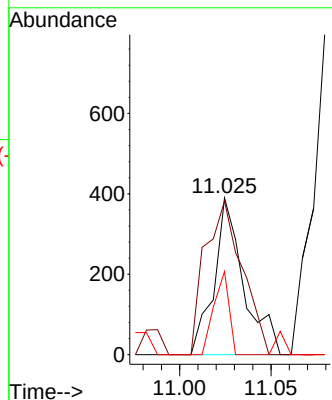
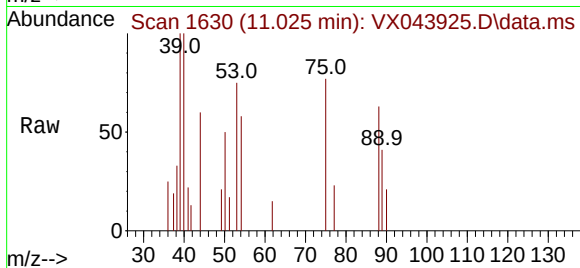




#81  
trans-1,4-Dichloro-2-butene  
Concen: 0.592 ug/l  
RT: 11.025 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

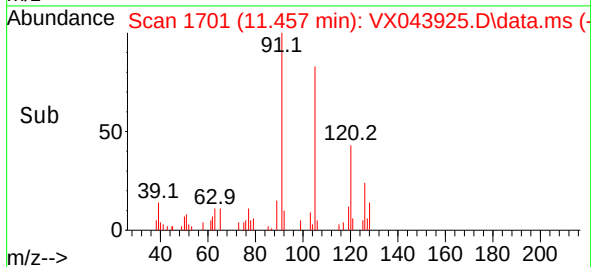
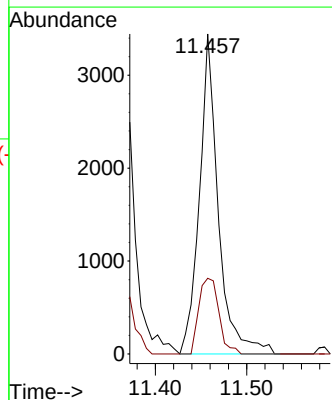
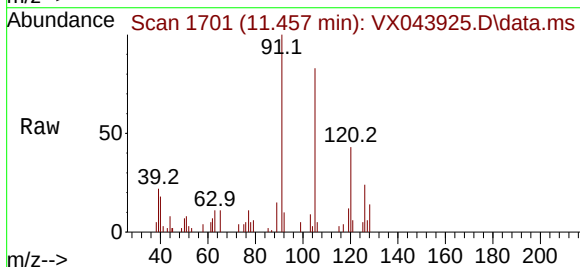
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC001

Tgt Ion: 75 Resp: 442  
Ion Ratio Lower Upper  
75 100  
53 122.4 86.7 130.1  
89 26.9 38.2 57.2#

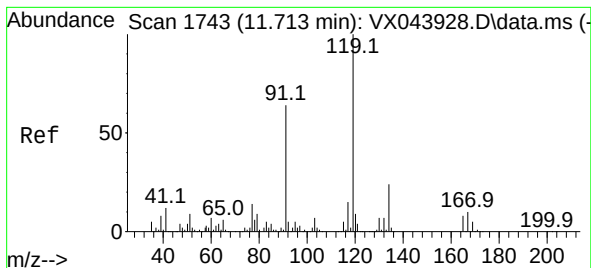


#82  
4-Chlorotoluene  
Concen: 0.868 ug/l  
RT: 11.457 min Scan# 1701  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 91 Resp: 4940  
Ion Ratio Lower Upper  
91 100  
126 25.2 14.3 42.9







#83

tert-Butylbenzene

Concen: 0.824 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC001

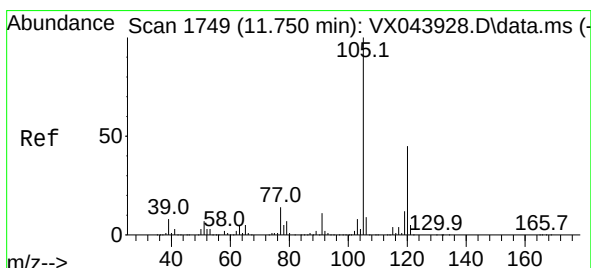
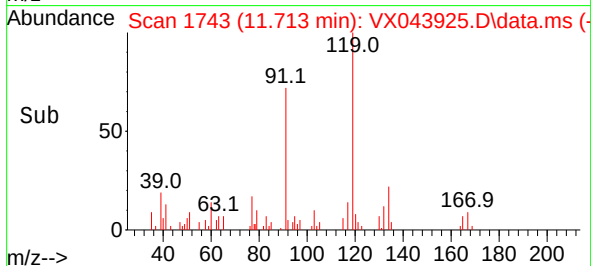
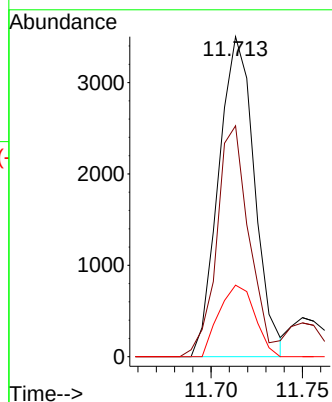
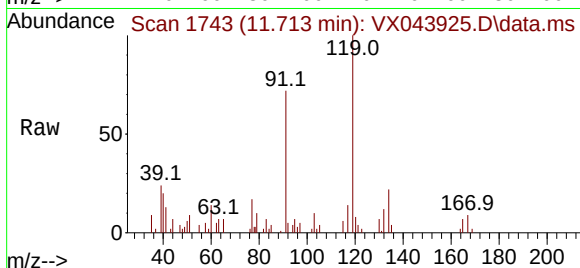
Tgt Ion:119 Resp: 4794

Ion Ratio Lower Upper

119 100

91 65.8 31.0 93.0

134 22.3 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 0.812 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043925.D

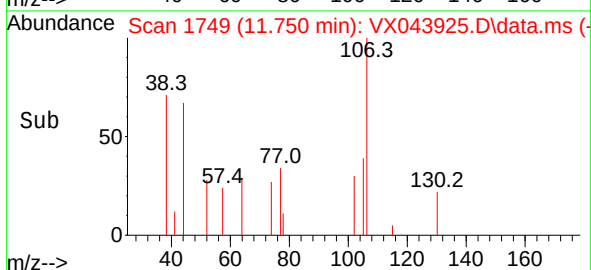
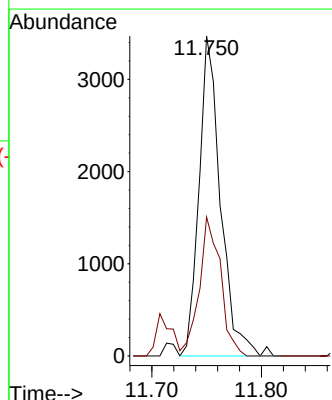
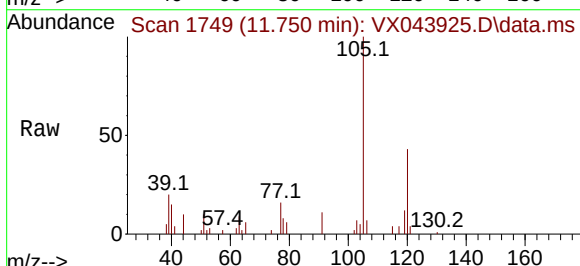
Acq: 21 Nov 2024 09:47

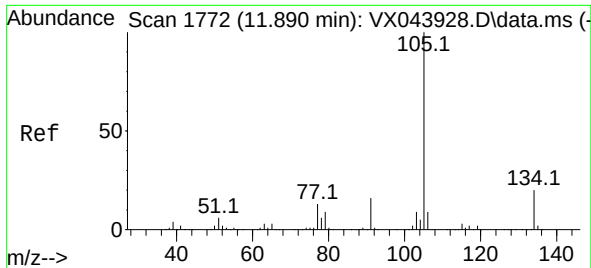
Tgt Ion:105 Resp: 4748

Ion Ratio Lower Upper

105 100

120 42.8 21.9 65.7

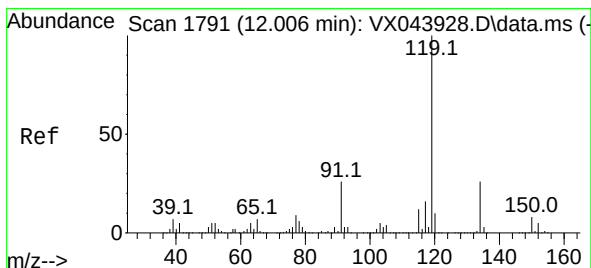
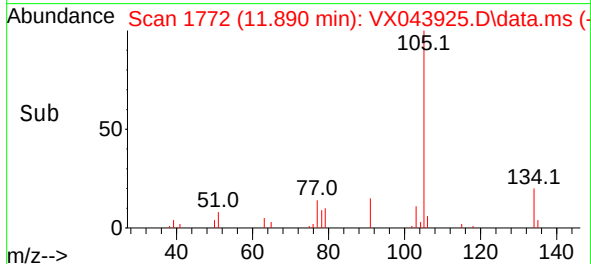
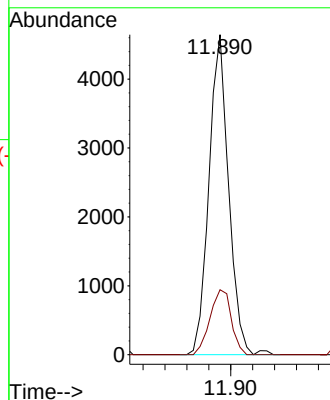
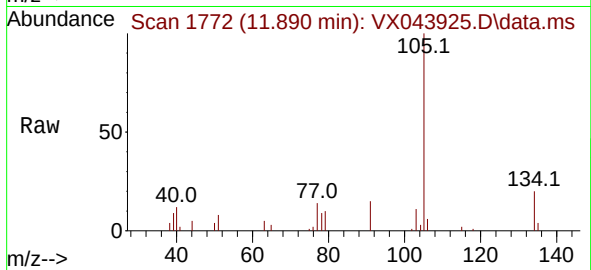




#85  
sec-Butylbenzene  
Concen: 0.812 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

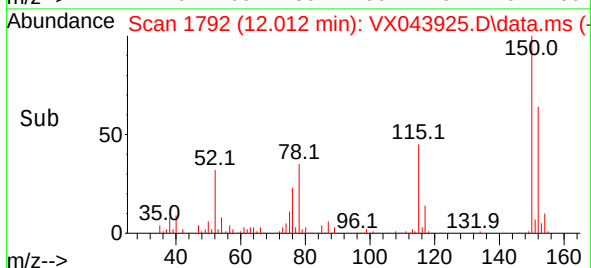
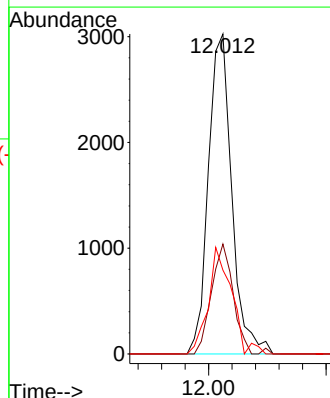
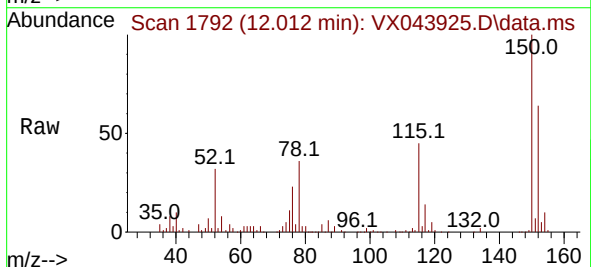
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

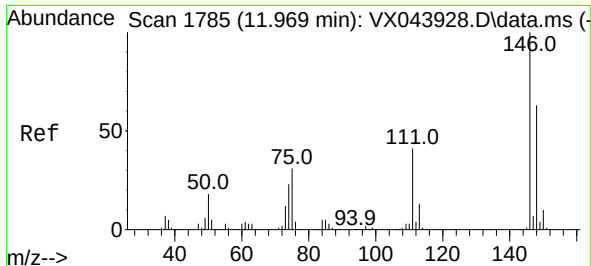
Tgt Ion:105 Resp: 5787  
Ion Ratio Lower Upper  
105 100  
134 22.0 9.7 29.1



#86  
p-Isopropyltoluene  
Concen: 0.723 ug/l  
RT: 12.012 min Scan# 1792  
Delta R.T. 0.006 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion:119 Resp: 4187  
Ion Ratio Lower Upper  
119 100  
134 31.8 13.0 38.9  
91 33.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 0.946 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

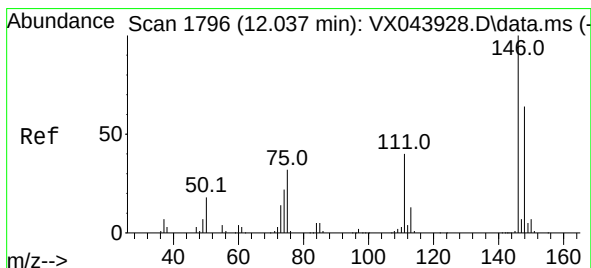
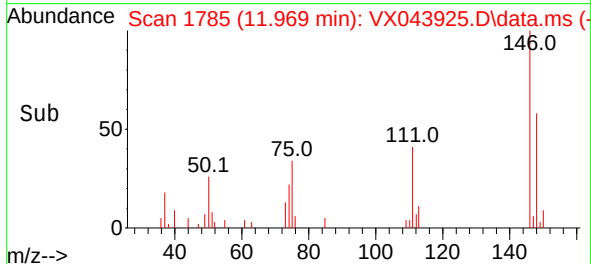
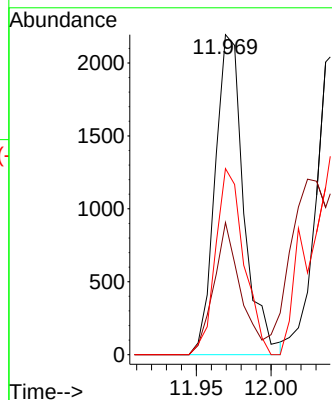
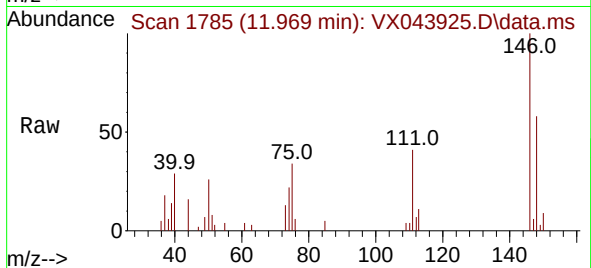
Tgt Ion:146 Resp: 2934

Ion Ratio Lower Upper

146 100

111 38.3 21.1 63.3

148 57.6 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 0.932 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.067 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

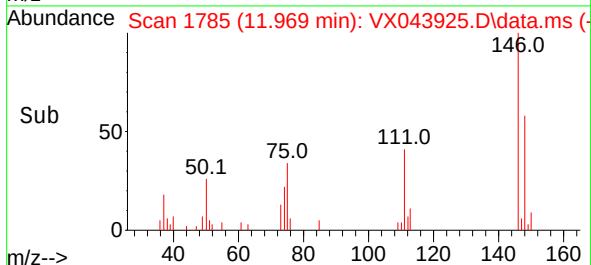
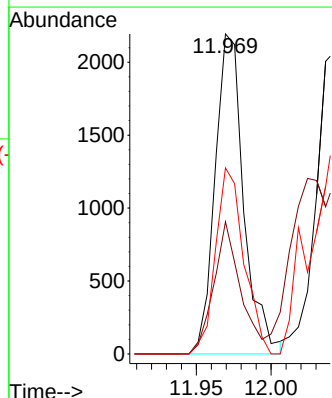
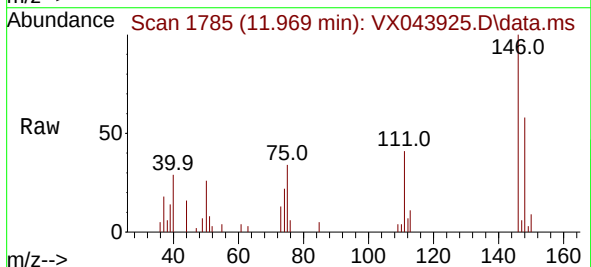
Tgt Ion:146 Resp: 2934

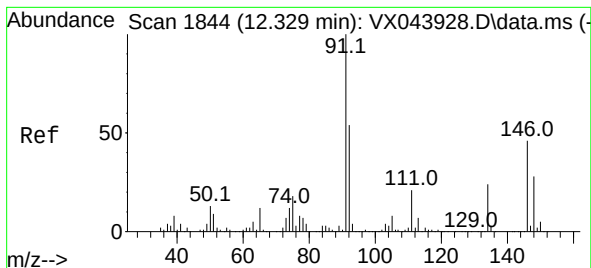
Ion Ratio Lower Upper

146 100

111 38.3 20.1 60.3

148 57.6 30.9 92.8





#89

n-Butylbenzene

Concen: 0.690 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

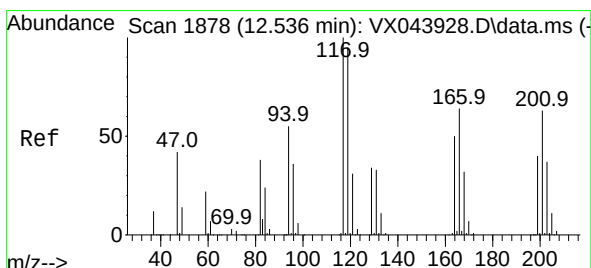
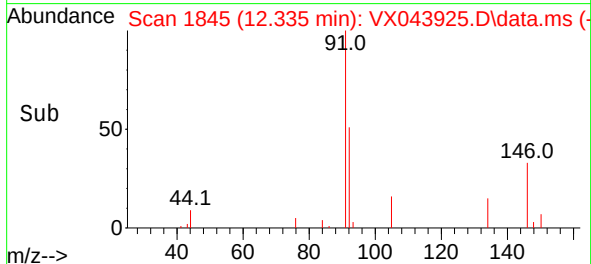
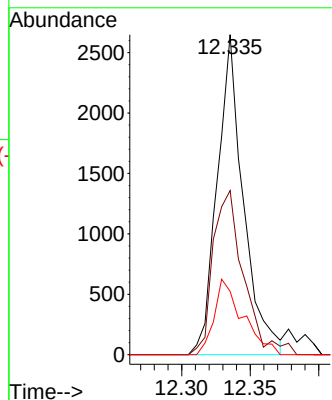
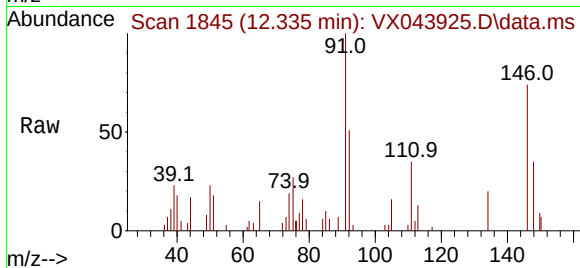
Tgt Ion: 91 Resp: 3522

Ion Ratio Lower Upper

91 100

92 59.8 26.6 79.8

134 25.8 12.4 37.2



#90

Hexachloroethane

Concen: 0.848 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043925.D

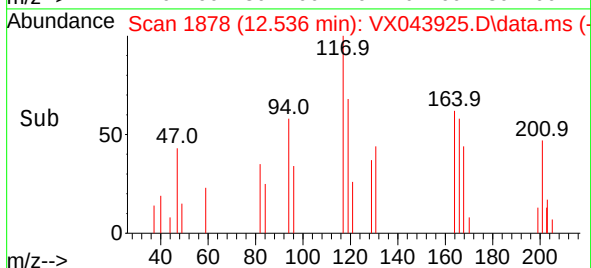
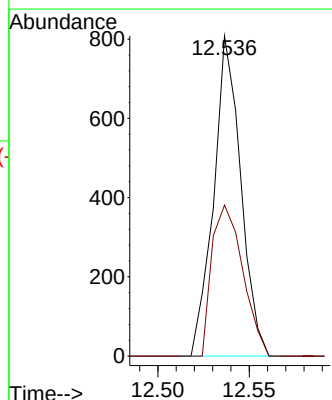
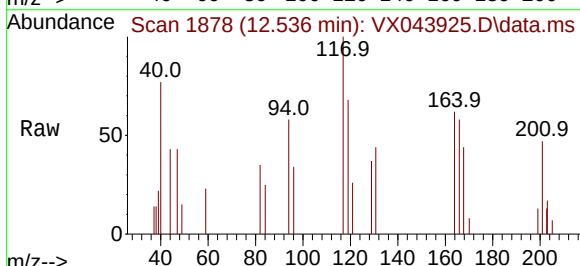
Acq: 21 Nov 2024 09:47

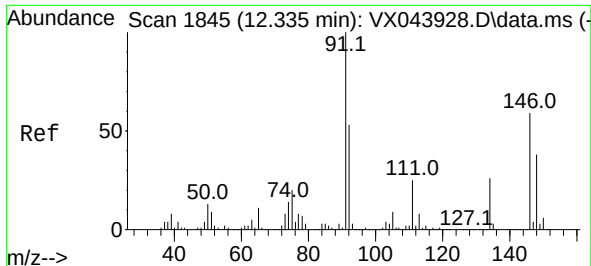
Tgt Ion: 117 Resp: 835

Ion Ratio Lower Upper

117 100

201 53.7 32.4 97.0

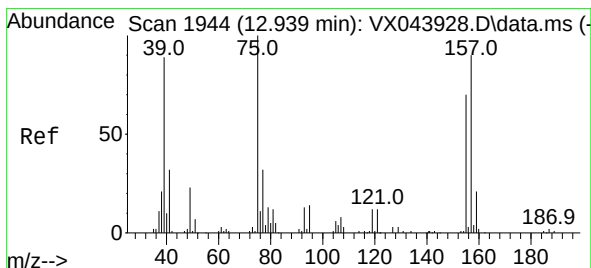
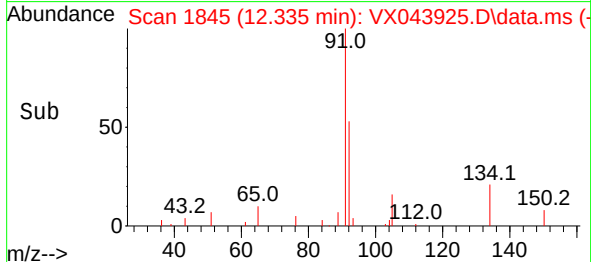
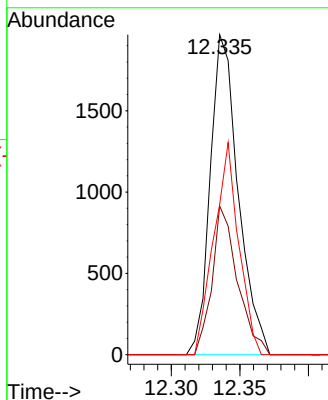
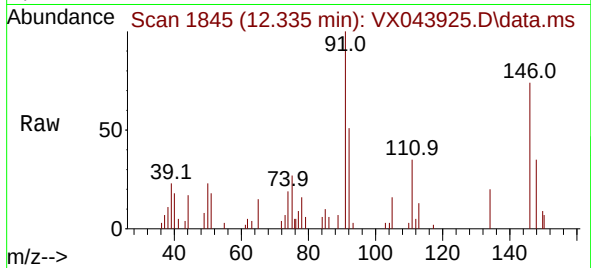




#91  
1,2-Dichlorobenzene  
Concen: 0.893 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

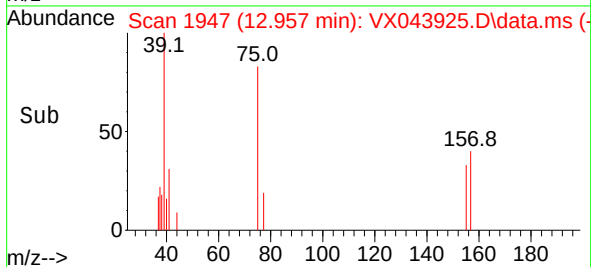
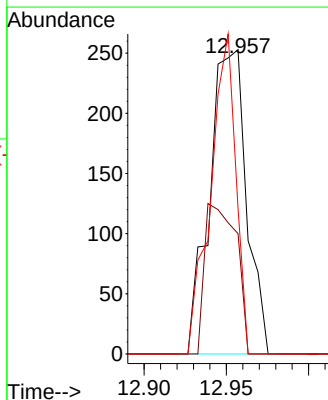
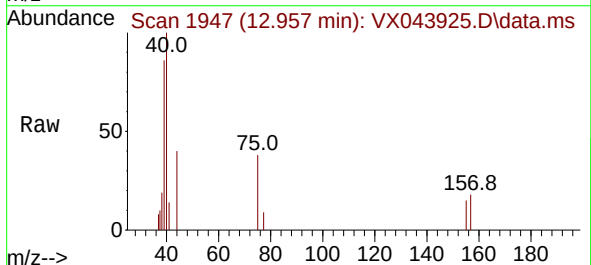
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC001

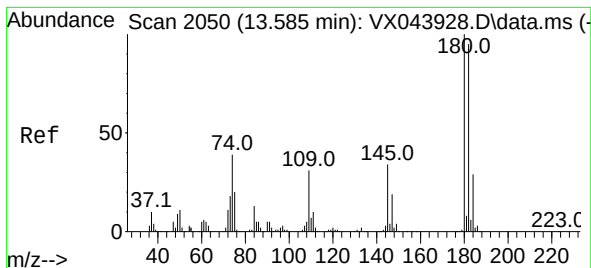
Tgt Ion:146 Resp: 2796  
Ion Ratio Lower Upper  
146 100  
111 42.2 21.5 64.5  
148 58.8 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 0.807 ug/l  
RT: 12.957 min Scan# 1947  
Delta R.T. 0.018 min  
Lab File: VX043925.D  
Acq: 21 Nov 2024 09:47

Tgt Ion: 75 Resp: 395  
Ion Ratio Lower Upper  
75 100  
155 42.0 40.1 120.2  
157 71.6 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 0.854 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

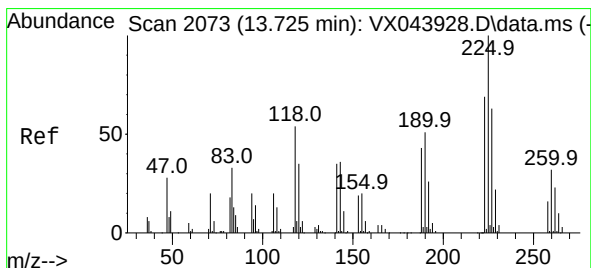
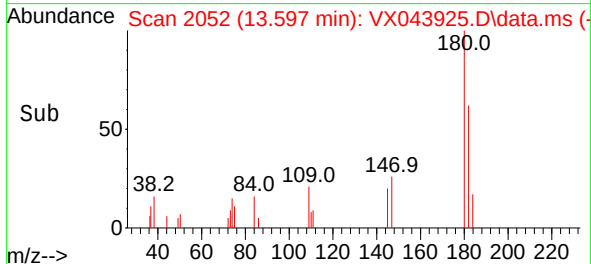
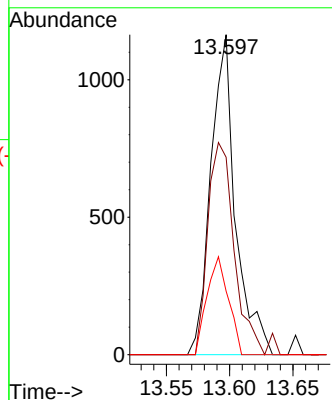
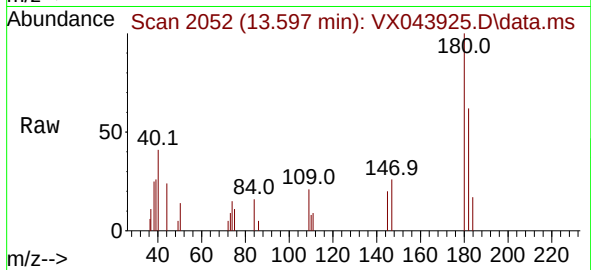
Tgt Ion:180 Resp: 1576

Ion Ratio Lower Upper

180 100

182 70.6 48.0 144.2

145 26.6 16.8 50.4



#94

Hexachlorobutadiene

Concen: 0.972 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

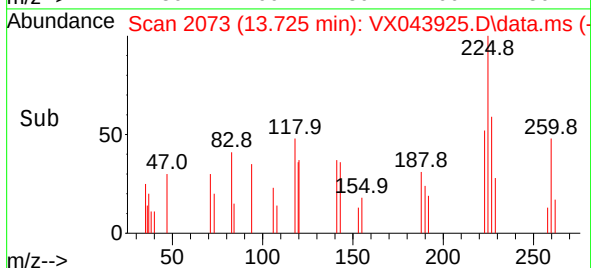
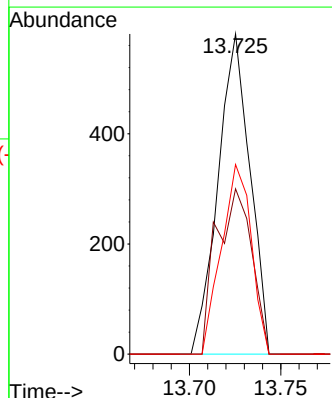
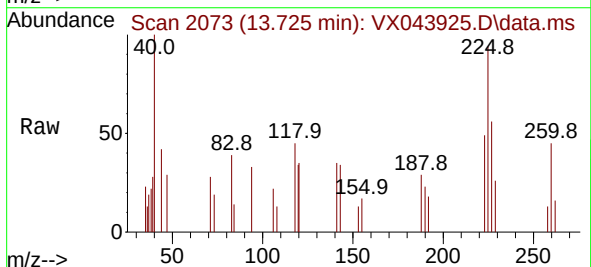
Tgt Ion:225 Resp: 709

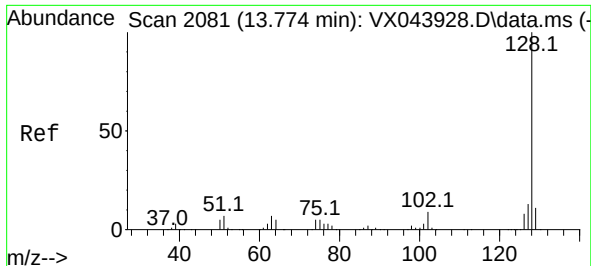
Ion Ratio Lower Upper

225 100

223 57.1 32.9 98.6

227 55.3 31.6 94.8





#95

Naphthalene

Concen: 0.728 ug/l

RT: 13.780 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC001

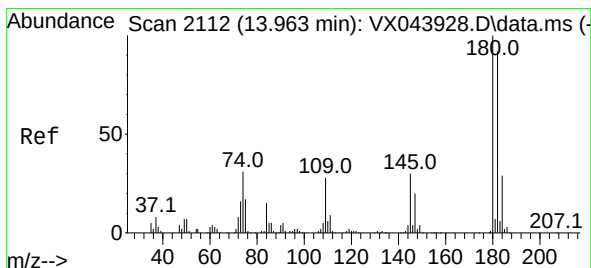
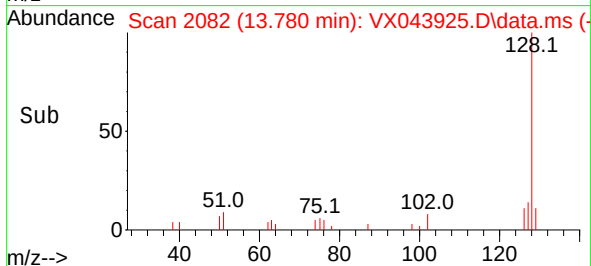
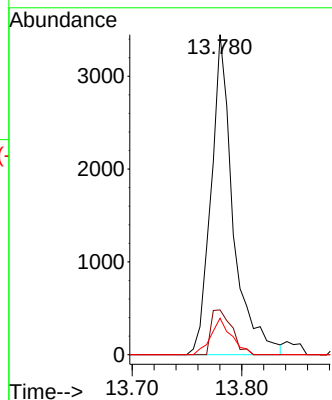
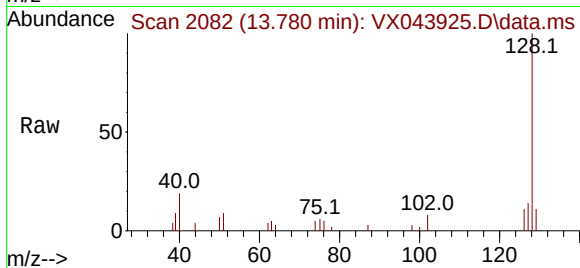
Tgt Ion:128 Resp: 4837

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.2

129 10.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 0.749 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043925.D

Acq: 21 Nov 2024 09:47

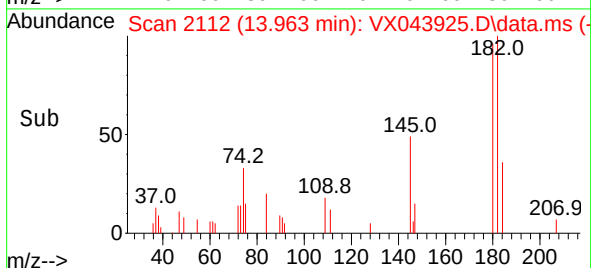
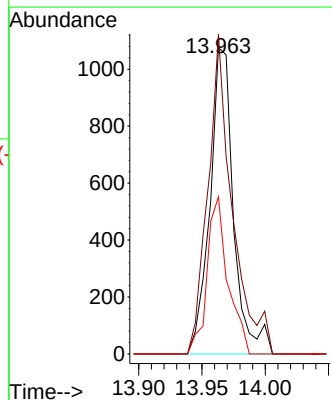
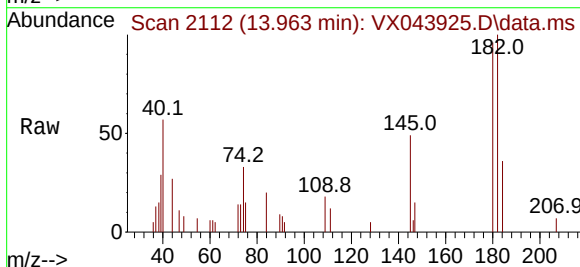
Tgt Ion:180 Resp: 1398

Ion Ratio Lower Upper

180 100

182 107.8 45.6 136.8

145 45.3 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043926.D  
 Acq On : 21 Nov 2024 10:14  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: Nov 22 03:28:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.543  | 168   | 150793   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 264969   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 223514   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 96662    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 13961    | 5.398    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 10.800%# |
| 35) Dibromofluoromethane     | 5.379  | 113   | 9842     | 5.198    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 10.400%# |
| 50) Toluene-d8               | 8.646  | 98    | 35173    | 5.389    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 10.780%# |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 10618    | 4.780    | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 9.560%#  |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 9545     | 4.997    | ug/l   | 87       |
| 3) Chloromethane             | 1.294  | 50    | 9980     | 4.965    | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.373  | 62    | 10682    | 4.996    | ug/l   | 100      |
| 5) Bromomethane              | 1.593  | 94    | 6415     | 4.877    | ug/l   | 90       |
| 6) Chloroethane              | 1.666  | 64    | 6474     | 4.969    | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.867  | 101   | 19099    | 4.996    | ug/l   | 91       |
| 8) Diethyl Ether             | 2.129  | 74    | 6480     | 4.651    | ug/l   | 88       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318  | 101   | 8824     | 4.839    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.440  | 142   | 9897     | 4.346    | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.995  | 59    | 8556     | 20.610   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.306  | 96    | 7987     | 4.597    | ug/l   | 87       |
| 13) Acrolein                 | 2.239  | 56    | 11940    | 27.287   | ug/l   | 97       |
| 14) Allyl chloride           | 2.654  | 41    | 12874    | 4.534    | ug/l   | 96       |
| 15) Acrylonitrile            | 3.062  | 53    | 24290    | 24.010   | ug/l   | 99       |
| 16) Acetone                  | 2.385  | 43    | 29886    | 25.159   | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.495  | 76    | 14415    | 4.022    | ug/l # | 94       |
| 18) Methyl Acetate           | 2.702  | 43    | 13127    | 4.745    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.117  | 73    | 30022    | 4.759    | ug/l # | 88       |
| 20) Methylene Chloride       | 2.782  | 84    | 9895     | 4.909    | ug/l   | 95       |
| 21) trans-1,2-Dichloroethene | 3.080  | 96    | 8486     | 4.730    | ug/l # | 80       |
| 22) Diisopropyl ether        | 3.757  | 45    | 29102    | 4.794    | ug/l # | 65       |
| 23) Vinyl Acetate            | 3.721  | 43    | 116242   | 22.382   | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.599  | 63    | 16857    | 4.813    | ug/l   | 98       |
| 25) 2-Butanone               | 4.568  | 43    | 36680    | 23.931   | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.458  | 77    | 15040    | 4.755    | ug/l # | 76       |
| 27) cis-1,2-Dichloroethene   | 4.477  | 96    | 10153    | 4.579    | ug/l   | 96       |
| 28) Bromochloromethane       | 4.891  | 49    | 9210     | 5.974    | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.007  | 42    | 23518    | 25.028   | ug/l   | 96       |
| 30) Chloroform               | 5.086  | 83    | 18661    | 4.954    | ug/l   | 97       |
| 31) Cyclohexane              | 5.458  | 56    | 13740    | 4.767    | ug/l # | 85       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 15162    | 4.667    | ug/l   | 96       |
| 36) 1,1-Dichloropropene      | 5.690  | 75    | 11406    | 4.834    | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.720  | 43    | 12177    | 4.158    | ug/l # | 94       |
| 38) Carbon Tetrachloride     | 5.665  | 117   | 12348    | 4.658    | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.372  | 83    | 14721    | 4.803    | ug/l   | 95       |
| 40) Benzene                  | 6.031  | 78    | 36283    | 4.937    | ug/l   | 94       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043926.D  
 Acq On : 21 Nov 2024 10:14  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Quant Time: Nov 22 03:28:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 7355     | 4.907  | ug/l # | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 14467    | 4.901  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.348  | 43   | 22267    | 4.777  | ug/l   | 99       |
| 44) Trichloroethene           | 7.128  | 130  | 9852     | 4.736  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 8525     | 4.736  | ug/l   | 91       |
| 46) Dibromomethane            | 7.586  | 93   | 6372     | 4.475  | ug/l   | 93       |
| 47) Bromodichloromethane      | 7.823  | 83   | 11249    | 4.405  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.695  | 41   | 10190    | 4.556  | ug/l   | 95       |
| 49) 1,4-Dioxane               | 7.677  | 88   | 3056     | 79.255 | ug/l # | 70       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 69843    | 24.556 | ug/l   | 97       |
| 52) Toluene                   | 8.714  | 92   | 22218    | 5.051  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.982  | 75   | 10937    | 4.200  | ug/l   | 94       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 12253    | 4.292  | ug/l   | 94       |
| 55) 1,1,2-Trichloroethane     | 9.152  | 97   | 9000     | 4.957  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 12381    | 4.378  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 15211    | 4.973  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 43351    | 27.673 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 52072    | 24.357 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 7738     | 4.247  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 8985     | 4.894  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.274  | 164  | 7642     | 5.185  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.079 | 112  | 24792    | 5.050  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 7421     | 4.661  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.195 | 91   | 40927    | 4.920  | ug/l   | 95       |
| 68) m/p-Xylenes               | 10.305 | 106  | 29635    | 9.553  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 14856    | 4.905  | ug/l   | 98       |
| 70) Styrene                   | 10.658 | 104  | 22907    | 4.573  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 4476     | 5.004  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 37958    | 5.109  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 15928    | 4.627  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 13107    | 5.152  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 14721    | 7.062  | ug/l   | 80       |
| 77) Bromobenzene              | 11.195 | 156  | 9259     | 5.224  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 39774    | 4.793  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 26740    | 5.096  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 30114    | 4.926  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 2880     | 3.707  | ug/l # | 77       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 29049    | 4.903  | ug/l   | 96       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 29934    | 4.940  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 30674    | 5.040  | ug/l   | 97       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 37899    | 5.105  | ug/l   | 96       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 29412    | 4.878  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 16008    | 4.959  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 15837    | 4.831  | ug/l   | 89       |
| 89) n-Butylbenzene            | 12.335 | 91   | 24938    | 4.691  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 4279     | 4.173  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 16747    | 5.140  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 2454     | 4.814  | ug/l   | 85       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 8746     | 4.553  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 3713     | 4.891  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 32485    | 4.698  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 9280     | 4.773  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043926.D  
Acq On : 21 Nov 2024 10:14  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

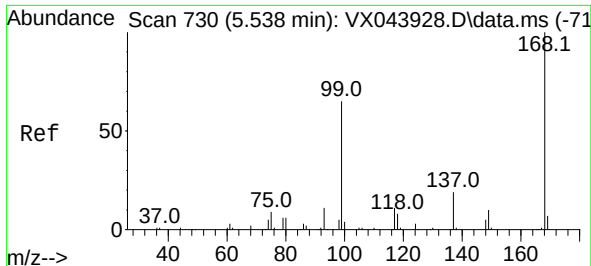
Quant Time: Nov 22 03:28:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

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

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

Quant Time: Nov 22 03:28:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

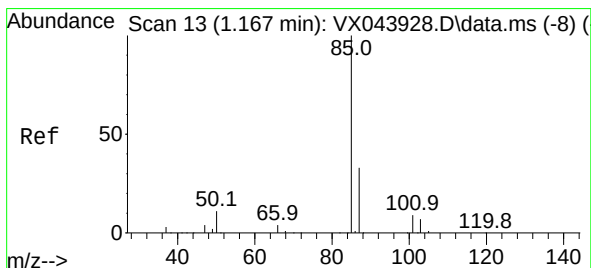
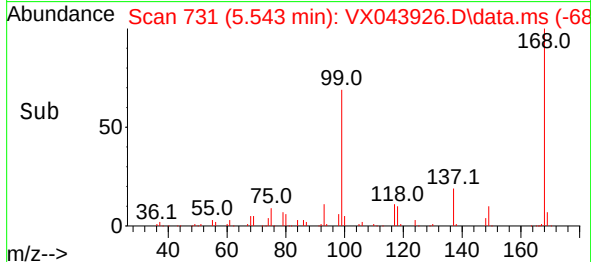
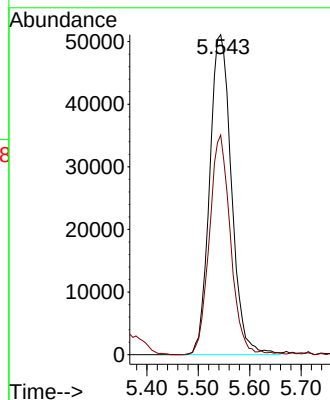
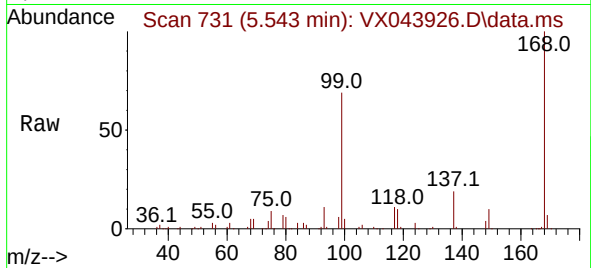




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. 0.005 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

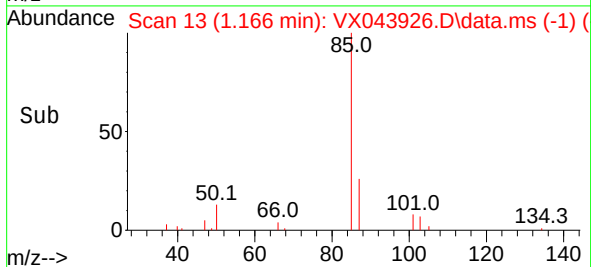
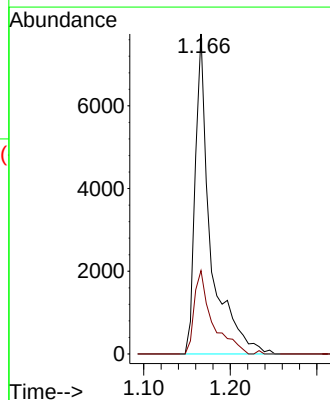
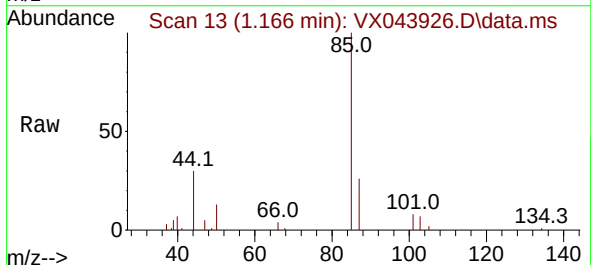
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

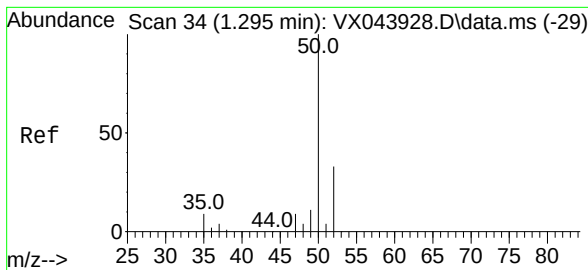
Tgt Ion:168 Resp: 150793  
Ion Ratio Lower Upper  
168 100  
99 68.6 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 4.997 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 85 Resp: 9545  
Ion Ratio Lower Upper  
85 100  
87 26.0 16.6 49.8

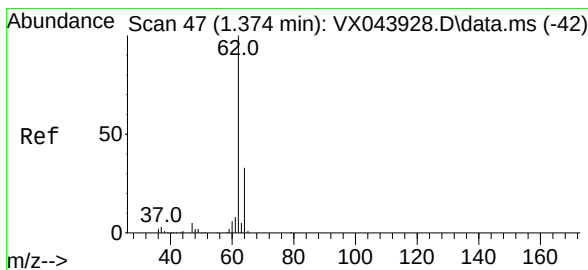
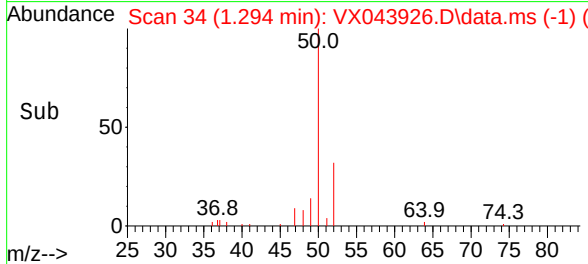
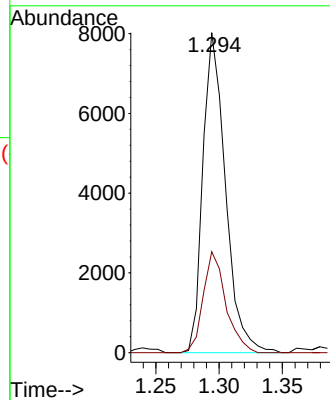
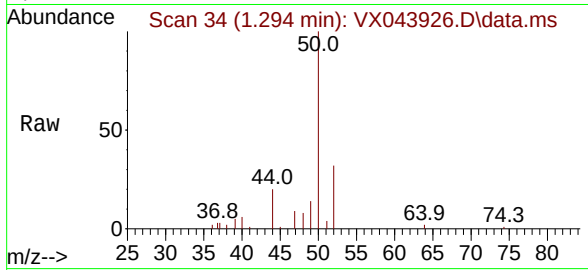




#3  
Chloromethane  
Concen: 4.965 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

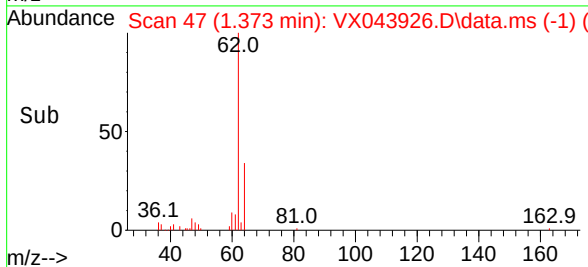
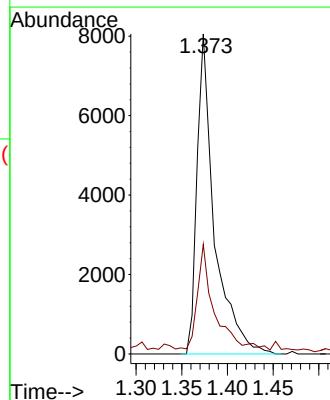
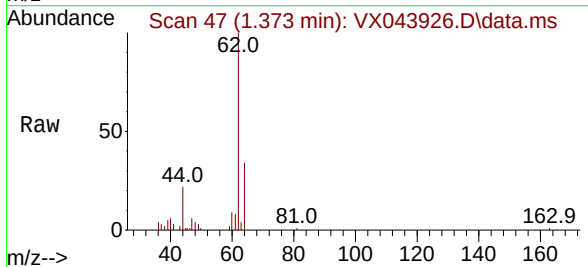
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

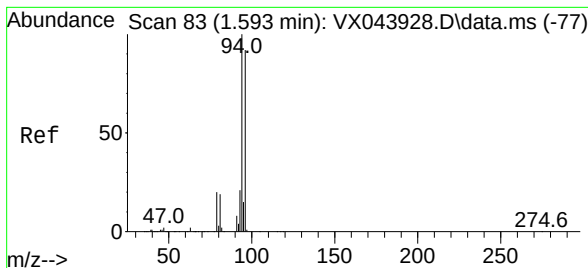
Tgt Ion: 50 Resp: 9980  
Ion Ratio Lower Upper  
50 100  
52 31.5 26.1 39.1



#4  
Vinyl Chloride  
Concen: 4.996 ug/l  
RT: 1.373 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 62 Resp: 10682  
Ion Ratio Lower Upper  
62 100  
64 32.8 26.2 39.4

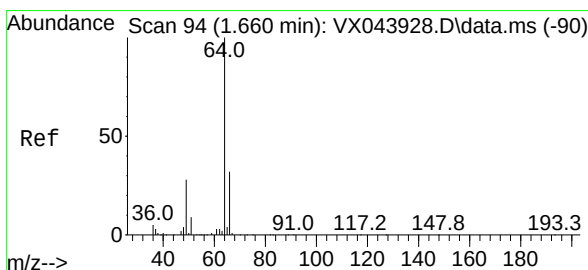
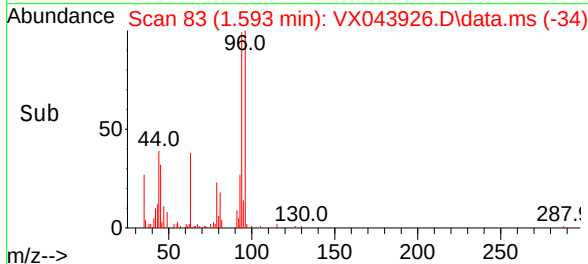
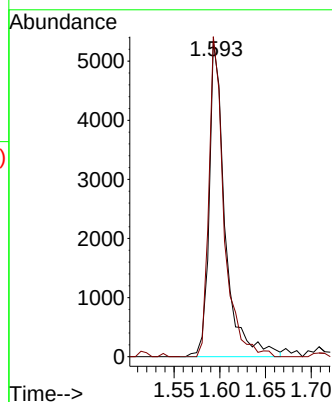
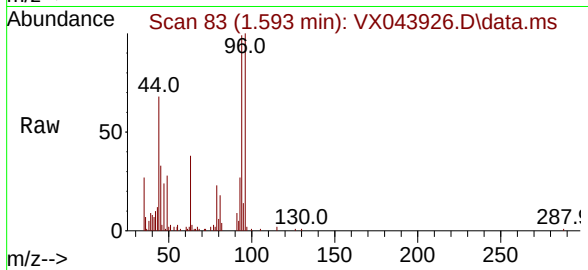




#5  
Bromomethane  
Concen: 4.877 ug/l  
RT: 1.593 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

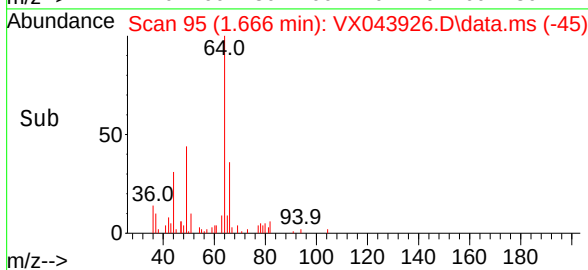
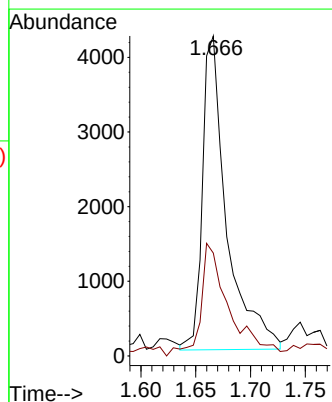
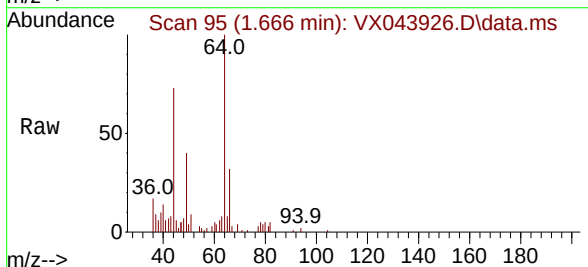
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

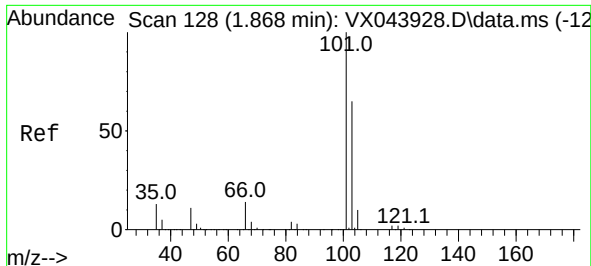
Tgt Ion: 94 Resp: 6415  
Ion Ratio Lower Upper  
94 100  
96 101.5 73.9 110.9



#6  
Chloroethane  
Concen: 4.969 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 64 Resp: 6474  
Ion Ratio Lower Upper  
64 100  
66 31.8 25.9 38.9

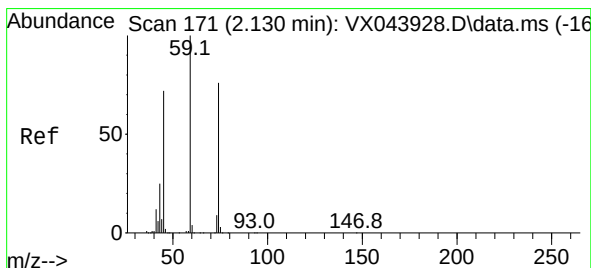
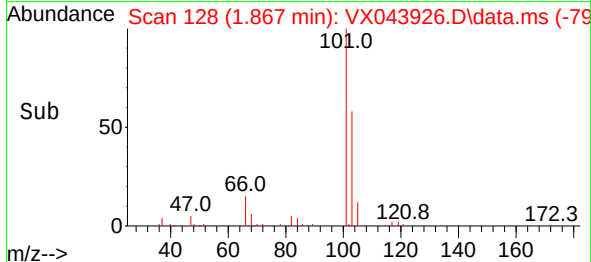
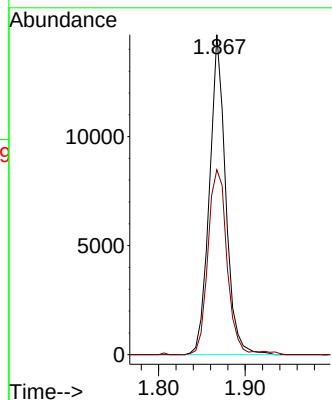
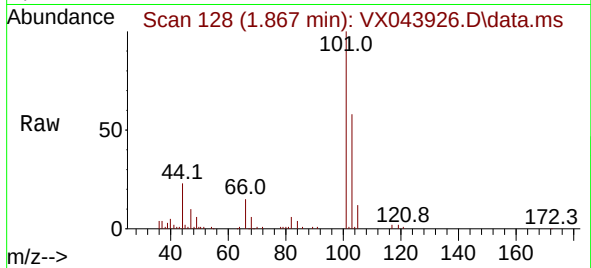




#7  
 Trichlorofluoromethane  
 Concen: 4.996 ug/l  
 RT: 1.867 min Scan# 128  
 Delta R.T. -0.000 min  
 Lab File: VX043926.D  
 Acq: 21 Nov 2024 10:14

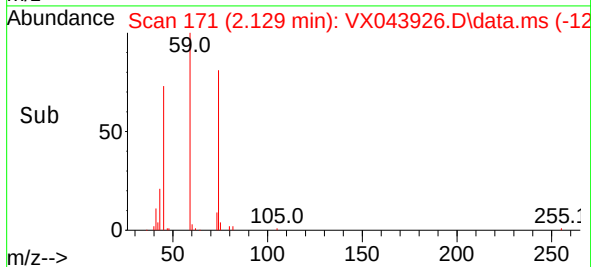
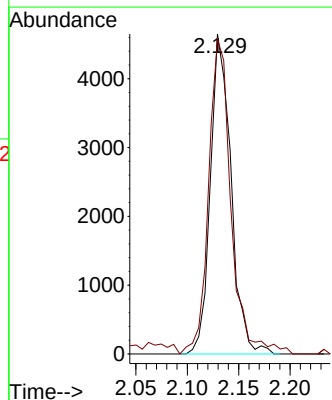
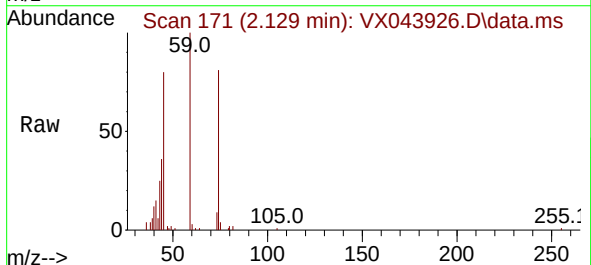
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

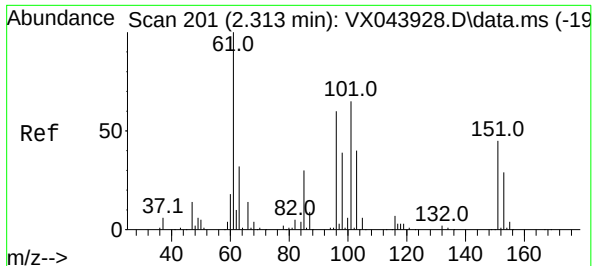
Tgt Ion:101 Resp: 19099  
 Ion Ratio Lower Upper  
 101 100  
 103 57.8 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 4.651 ug/l  
 RT: 2.129 min Scan# 171  
 Delta R.T. -0.000 min  
 Lab File: VX043926.D  
 Acq: 21 Nov 2024 10:14

Tgt Ion: 74 Resp: 6480  
 Ion Ratio Lower Upper  
 74 100  
 45 106.9 47.9 143.6

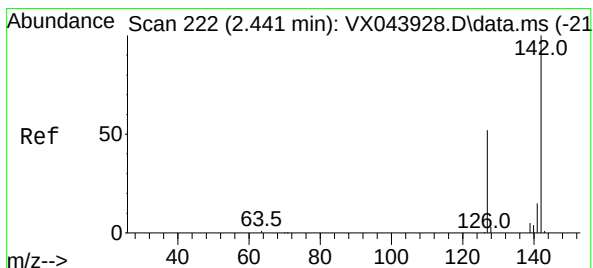
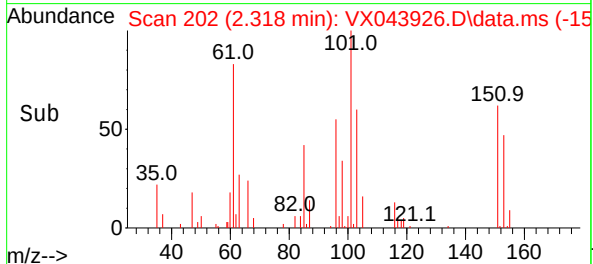
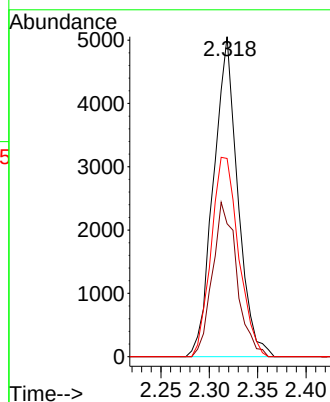
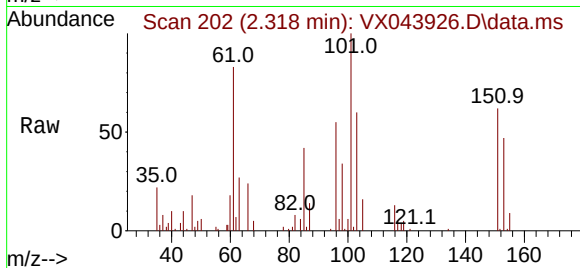




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.839 ug/l  
RT: 2.318 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

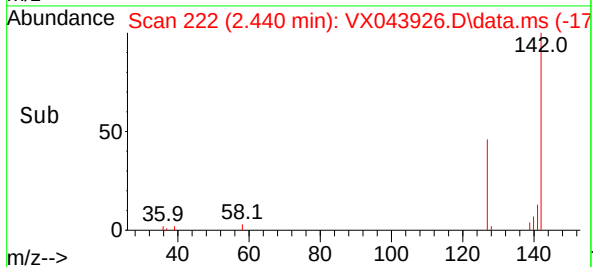
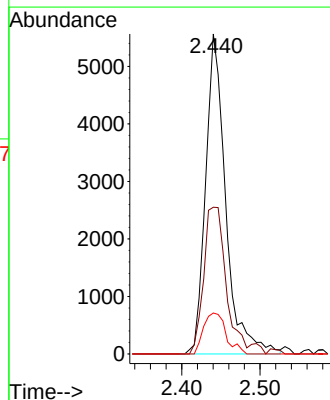
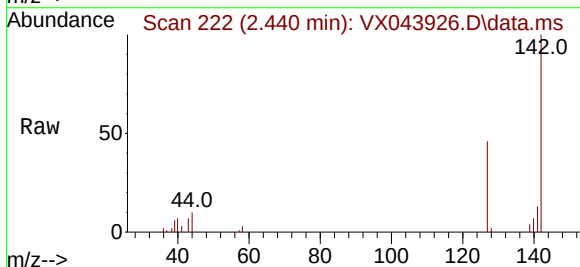
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion:101 Resp: 8824  
Ion Ratio Lower Upper  
101 100  
85 48.4 37.9 56.9  
151 70.3 57.5 86.3

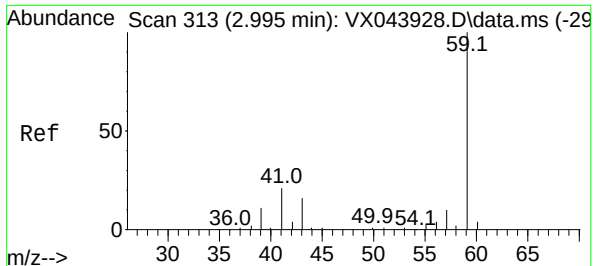


#10  
Methyl Iodide  
Concen: 4.346 ug/l  
RT: 2.440 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion:142 Resp: 9897  
Ion Ratio Lower Upper  
142 100  
127 52.4 40.7 61.1  
141 14.4 12.0 18.0







#11

Tert butyl alcohol

Concen: 20.610 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

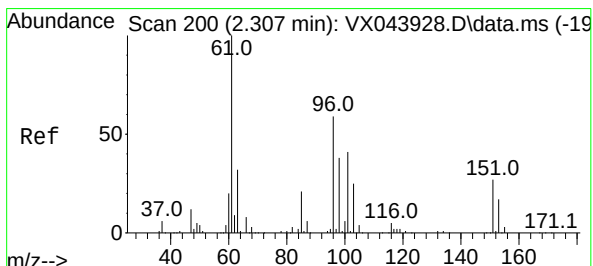
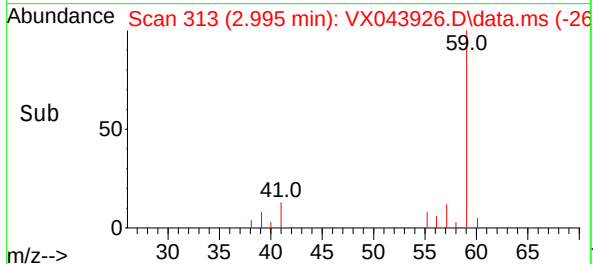
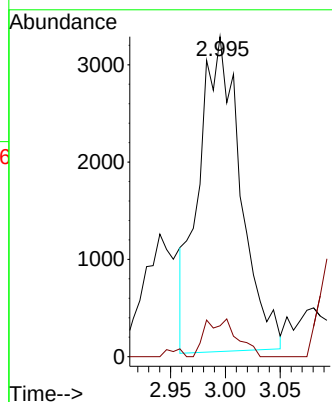
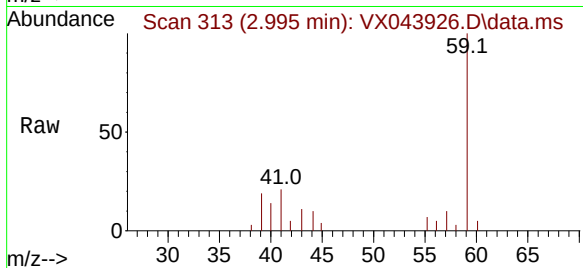
VSTDIC005

Tgt Ion: 59 Resp: 8556

Ion Ratio Lower Upper

59 100

57 9.1 7.9 11.9



#12

1,1-Dichloroethene

Concen: 4.597 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

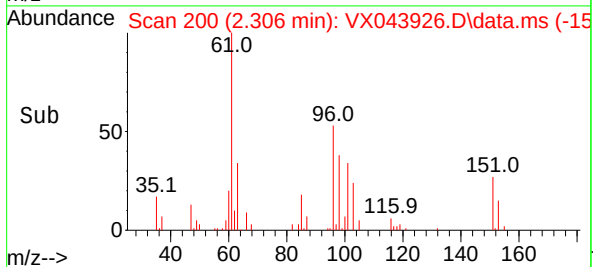
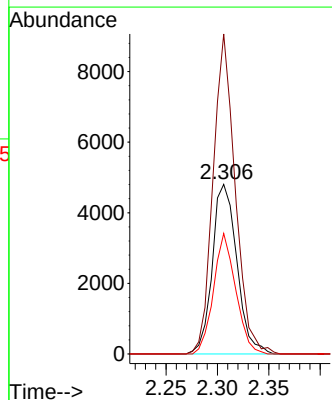
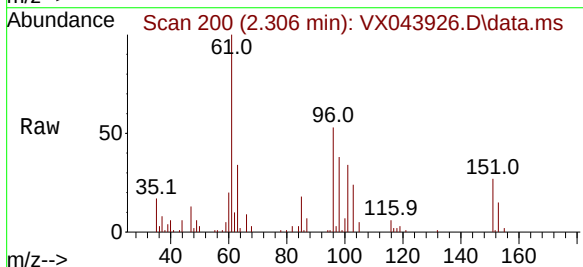
Tgt Ion: 96 Resp: 7987

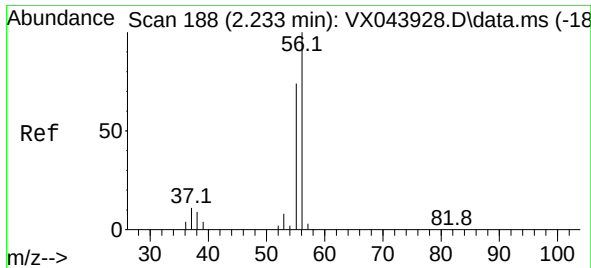
Ion Ratio Lower Upper

96 100

61 188.7 135.5 203.3

98 71.1 50.8 76.2





#13

Acrolein

Concen: 27.287 ug/l

RT: 2.239 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

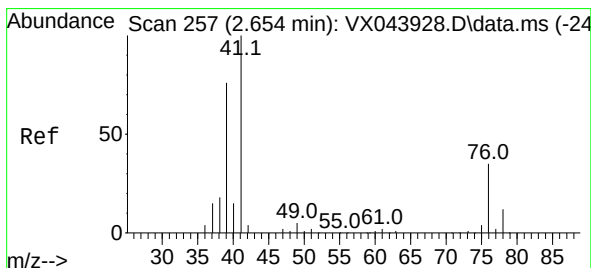
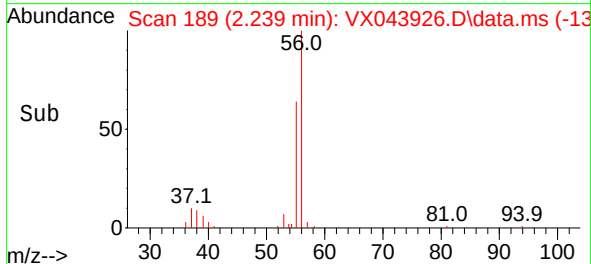
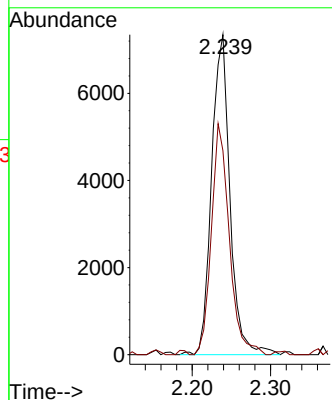
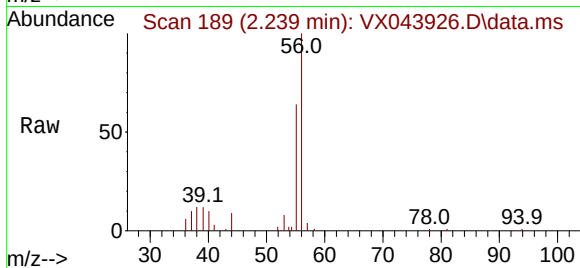
VSTDIC005

Tgt Ion: 56 Resp: 11940

Ion Ratio Lower Upper

56 100

55 70.5 58.2 87.2



#14

Allyl chloride

Concen: 4.534 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

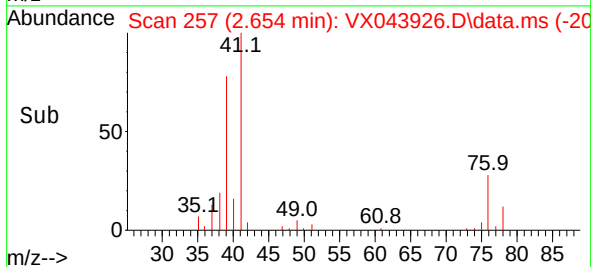
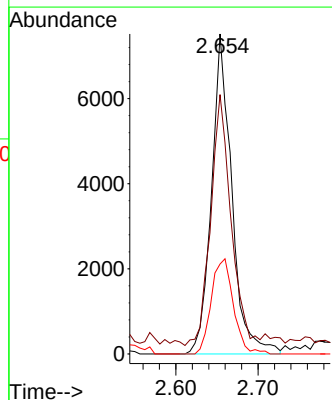
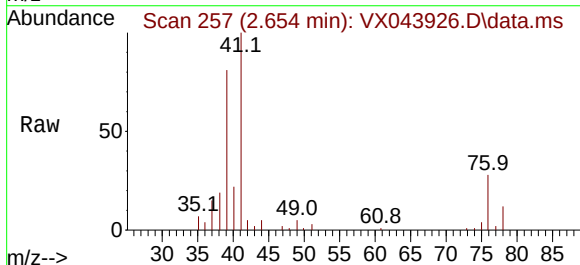
Tgt Ion: 41 Resp: 12874

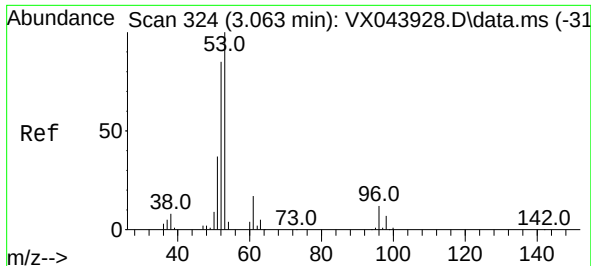
Ion Ratio Lower Upper

41 100

39 78.5 59.5 89.3

76 32.4 27.4 41.2





#15

Acrylonitrile

Concen: 24.010 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

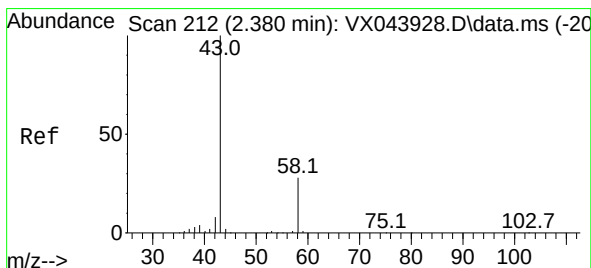
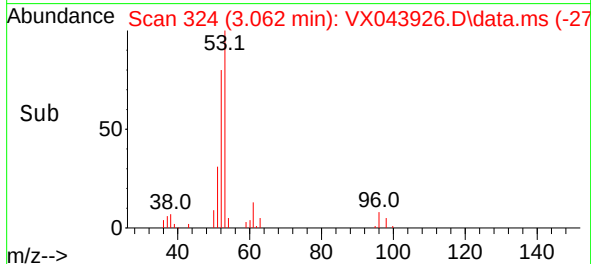
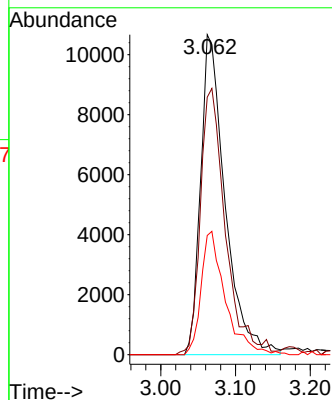
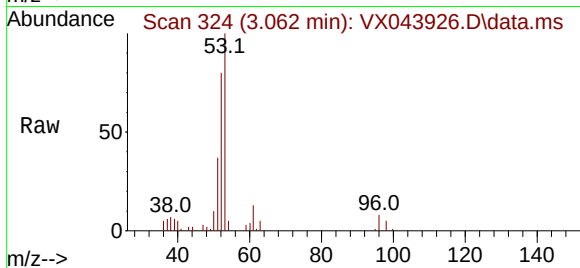
Tgt Ion: 53 Resp: 24290

Ion Ratio Lower Upper

53 100

52 84.7 66.5 99.7

51 38.0 30.2 45.4



#16

Acetone

Concen: 25.159 ug/l

RT: 2.385 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043926.D

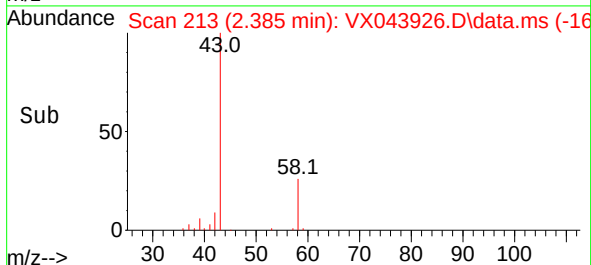
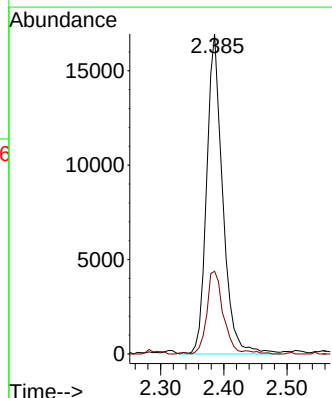
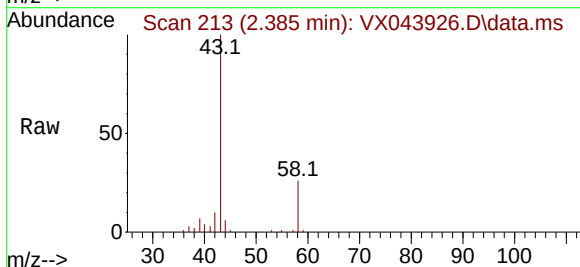
Acq: 21 Nov 2024 10:14

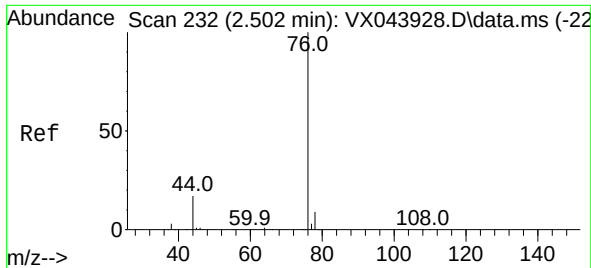
Tgt Ion: 43 Resp: 29886

Ion Ratio Lower Upper

43 100

58 25.9 22.7 34.1

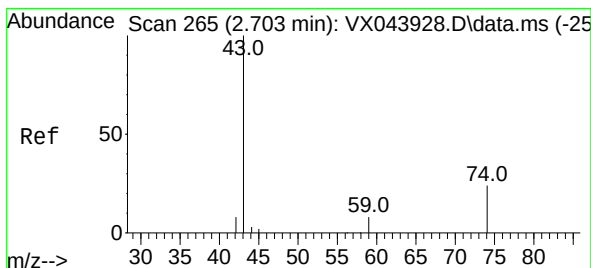
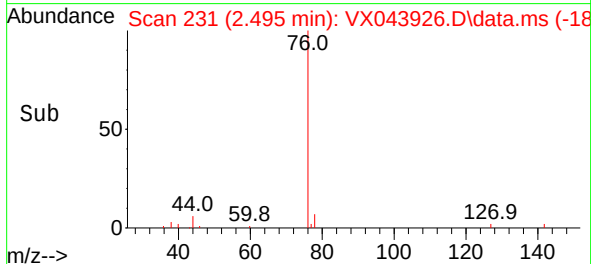
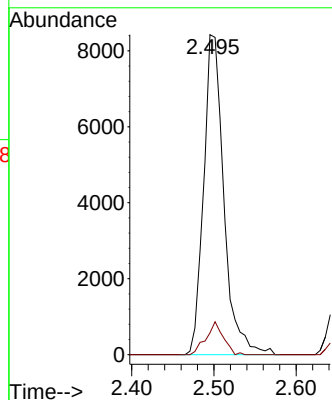
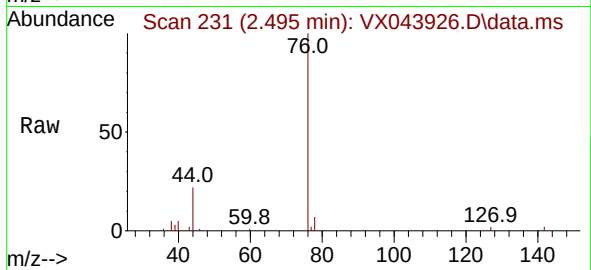




#17  
Carbon Disulfide  
Concen: 4.022 ug/l  
RT: 2.495 min Scan# 231  
Delta R.T. -0.007 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

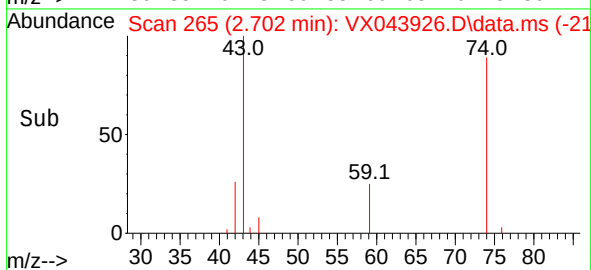
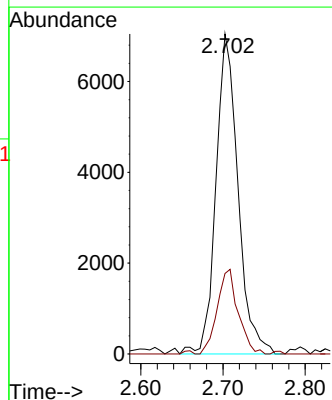
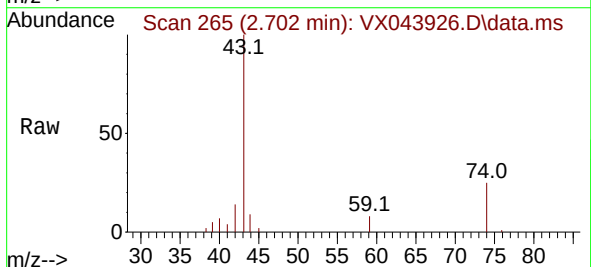
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

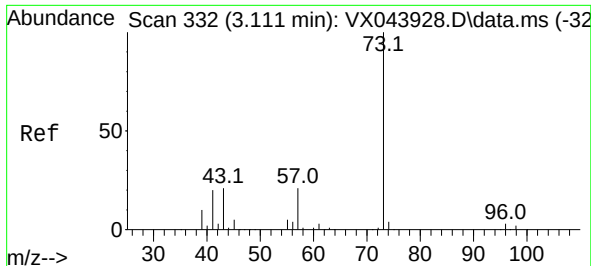
Tgt Ion: 76 Resp: 14415  
Ion Ratio Lower Upper  
76 100  
78 6.8 7.0 10.6#



#18  
Methyl Acetate  
Concen: 4.745 ug/l  
RT: 2.702 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 13127  
Ion Ratio Lower Upper  
43 100  
74 25.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 4.759 ug/l

RT: 3.117 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

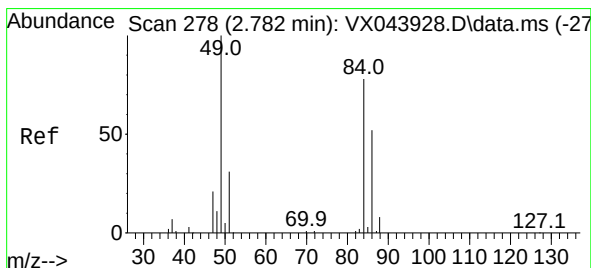
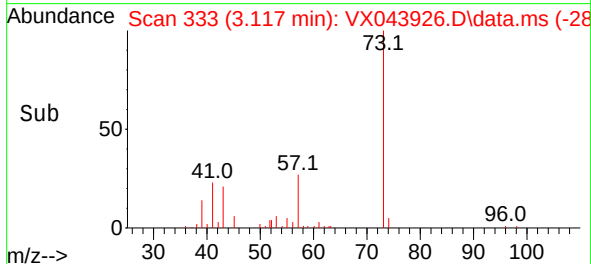
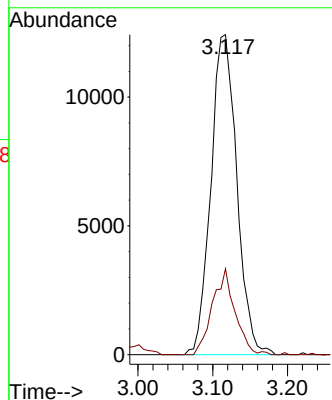
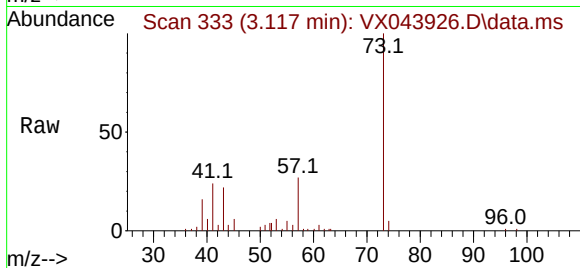
VSTDIC005

Tgt Ion: 73 Resp: 30022

Ion Ratio Lower Upper

73 100

57 26.8 17.0 25.6#



#20

Methylene Chloride

Concen: 4.909 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion: 84 Resp: 9895

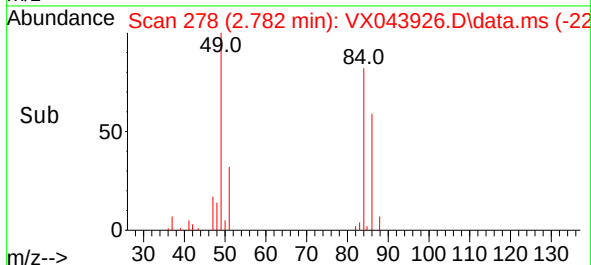
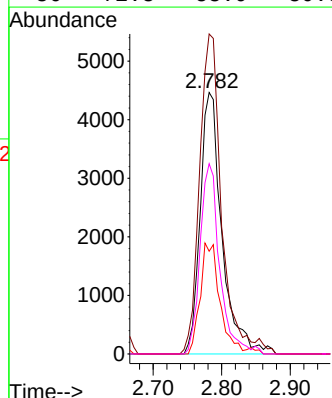
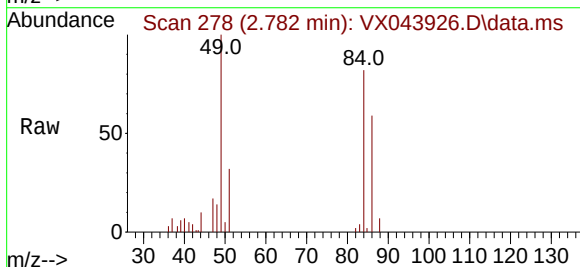
Ion Ratio Lower Upper

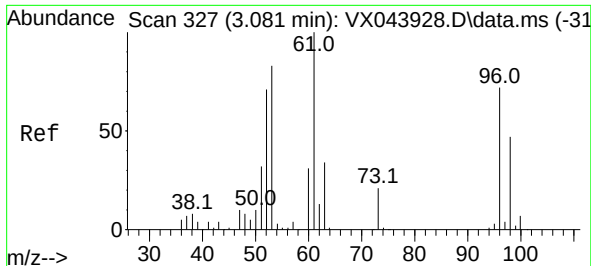
84 100

49 122.4 102.7 154.1

51 39.3 31.7 47.5

86 72.8 53.9 80.9

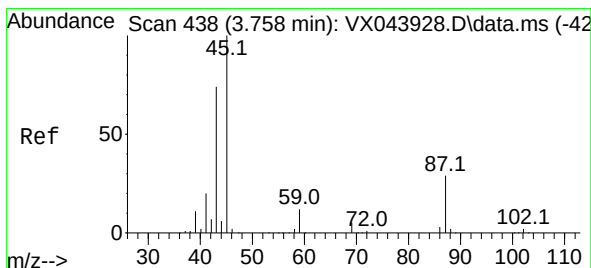
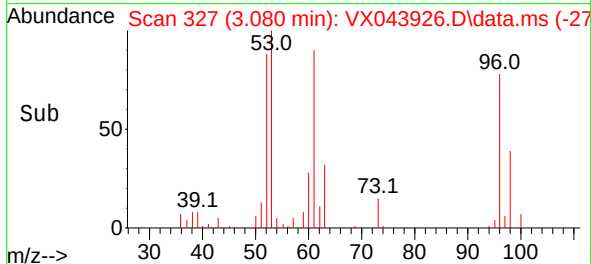
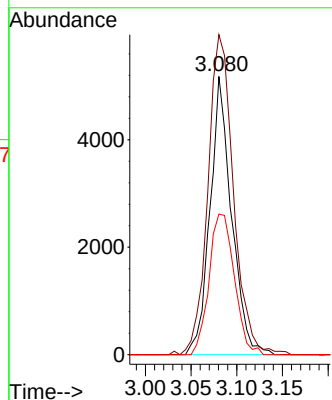
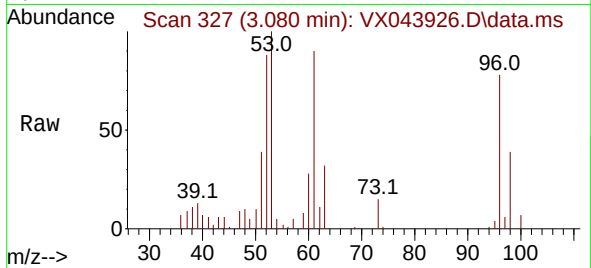




#21  
trans-1,2-Dichloroethene  
Concen: 4.730 ug/l  
RT: 3.080 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

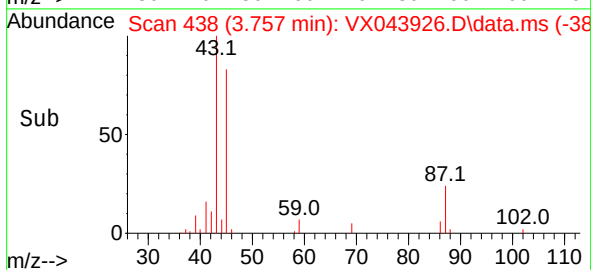
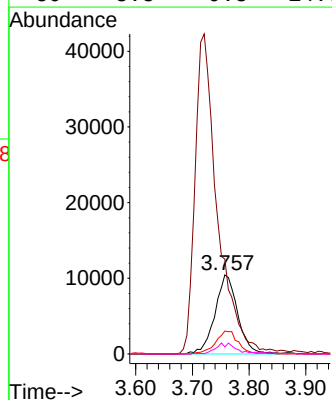
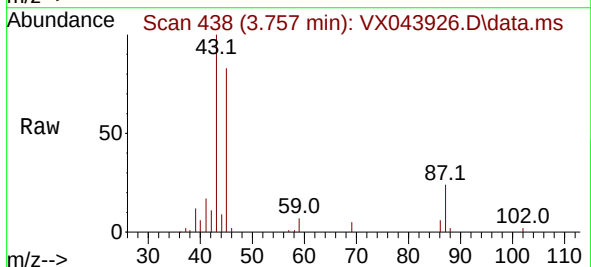
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

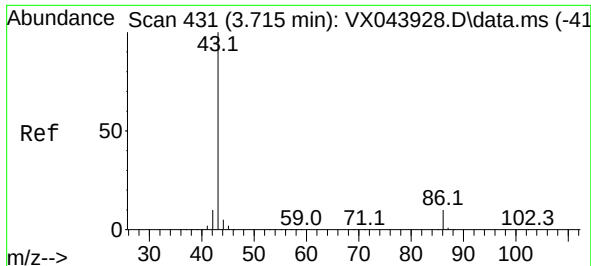
Tgt Ion: 96 Resp: 8486  
Ion Ratio Lower Upper  
96 100  
61 115.0 111.8 167.6  
98 50.6 52.7 79.1#



#22  
Diisopropyl ether  
Concen: 4.794 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 45 Resp: 29102  
Ion Ratio Lower Upper  
45 100  
43 118.7 59.6 89.4#  
87 29.0 22.9 34.3  
59 8.8 9.8 14.6#

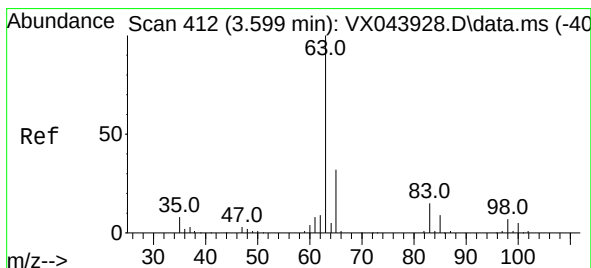
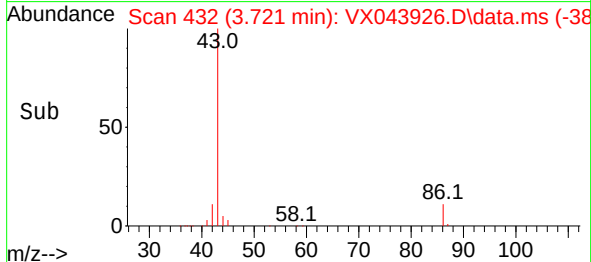
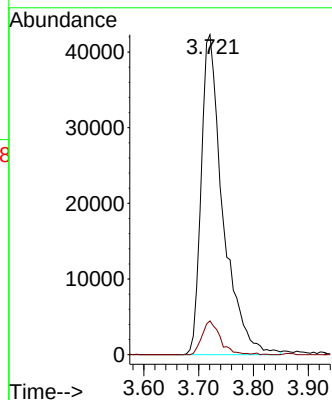
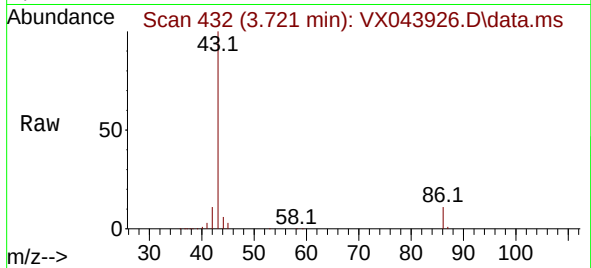




#23  
 Vinyl Acetate  
 Concen: 22.382 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX043926.D  
 Acq: 21 Nov 2024 10:14

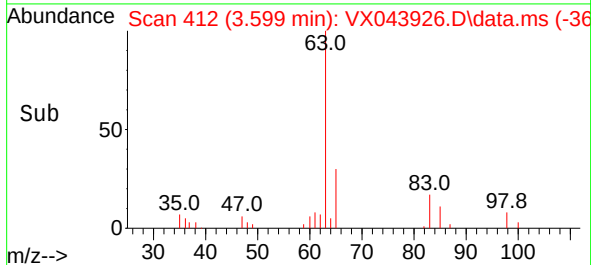
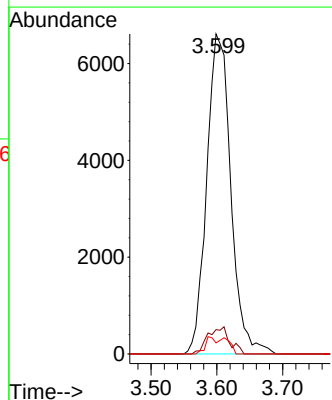
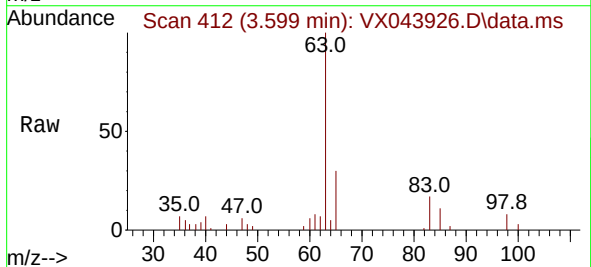
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

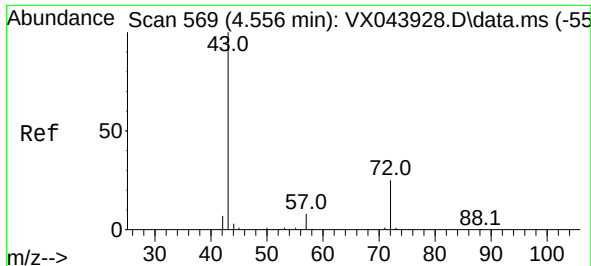
Tgt Ion: 43 Resp: 116242  
 Ion Ratio Lower Upper  
 43 100  
 86 10.5 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 4.813 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: VX043926.D  
 Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 16857  
 Ion Ratio Lower Upper  
 63 100  
 98 7.6 3.5 10.6  
 100 3.5 2.4 7.1





#25

2-Butanone

Concen: 23.931 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

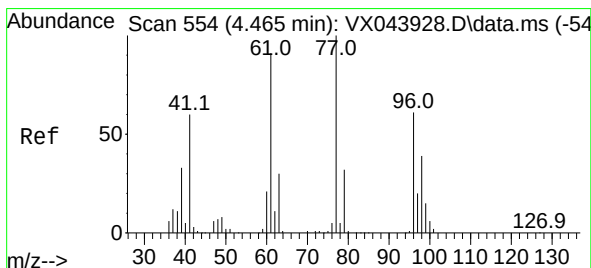
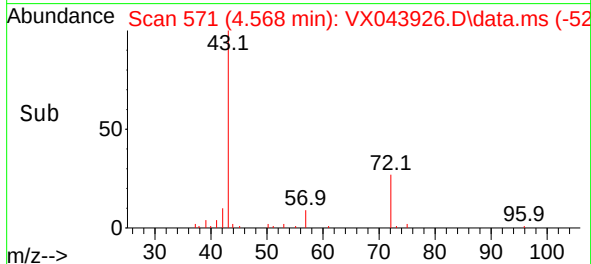
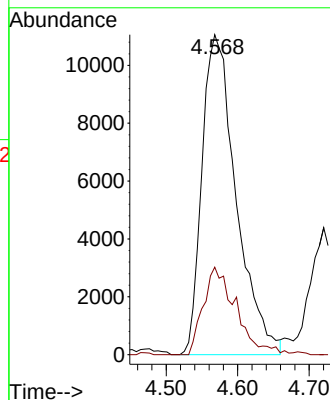
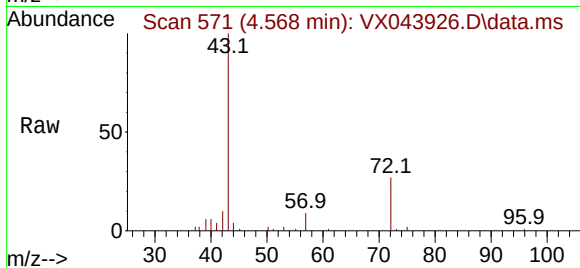
VSTDICC005

Tgt Ion: 43 Resp: 36680

Ion Ratio Lower Upper

43 100

72 27.4 20.2 30.2



#26

2,2-Dichloropropane

Concen: 4.755 ug/l

RT: 4.458 min Scan# 553

Delta R.T. -0.007 min

Lab File: VX043926.D

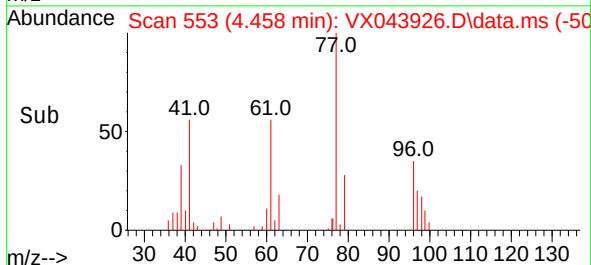
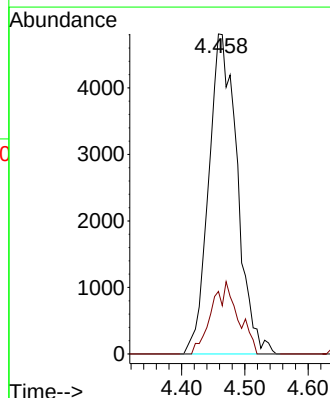
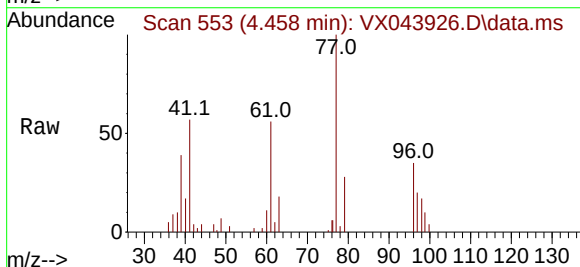
Acq: 21 Nov 2024 10:14

Tgt Ion: 77 Resp: 15040

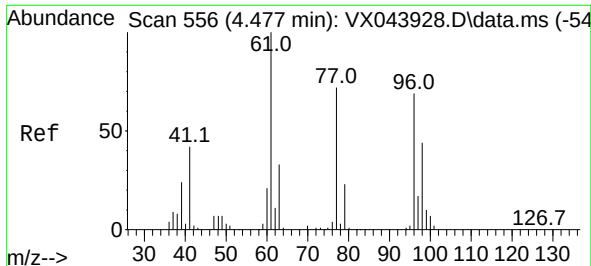
Ion Ratio Lower Upper

77 100

97 10.0 10.8 32.3#







#27

cis-1,2-Dichloroethene

Concen: 4.579 ug/l

RT: 4.477 min Scan# 556

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

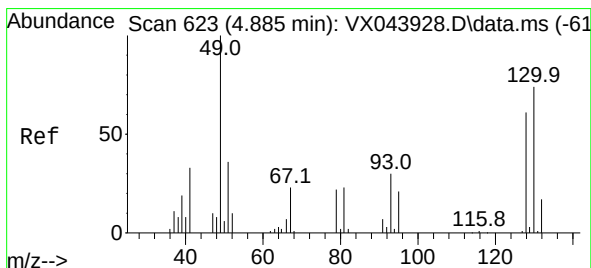
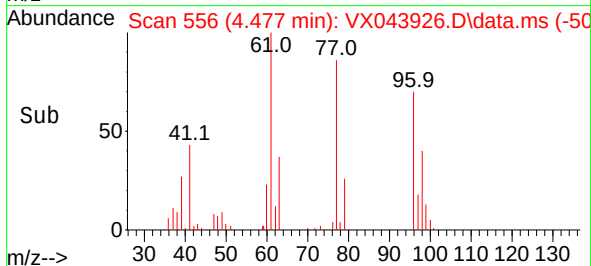
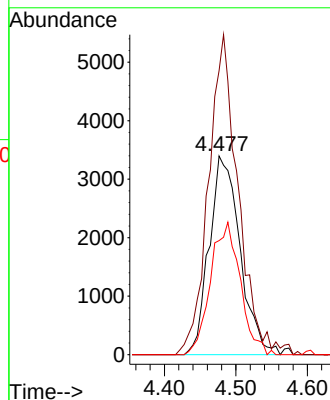
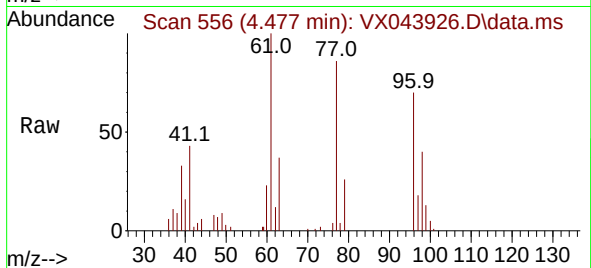
Tgt Ion: 96 Resp: 10153

Ion Ratio Lower Upper

96 100

61 155.7 0.0 297.4

98 64.3 0.0 127.8



#28

Bromochloromethane

Concen: 5.974 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

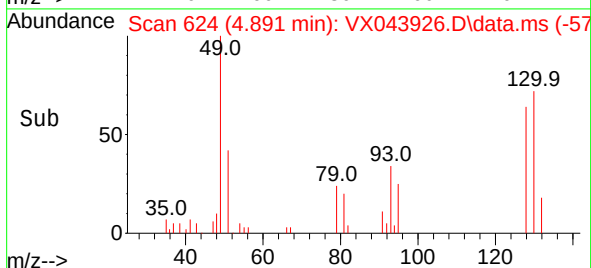
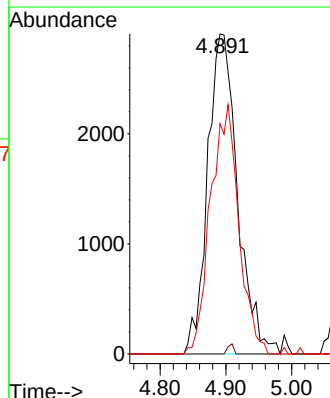
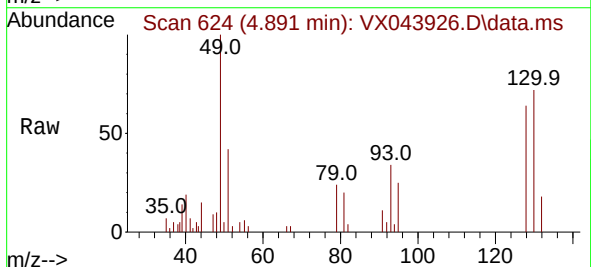
Tgt Ion: 49 Resp: 9210

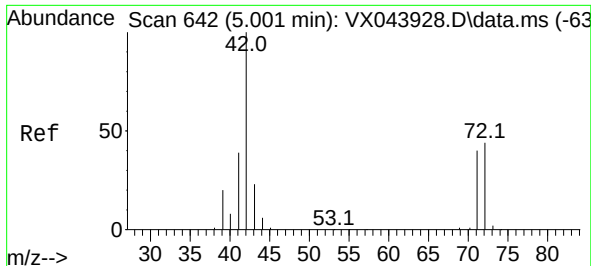
Ion Ratio Lower Upper

49 100

129 0.6 0.0 4.0

130 73.5 59.0 88.6





#29

Tetrahydrofuran

Concen: 25.028 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

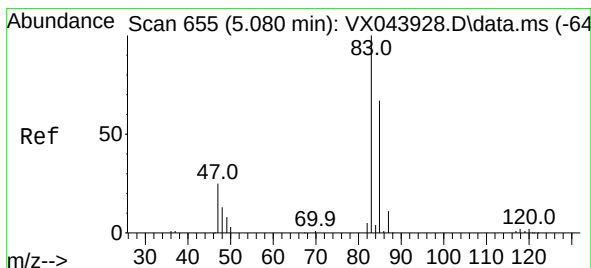
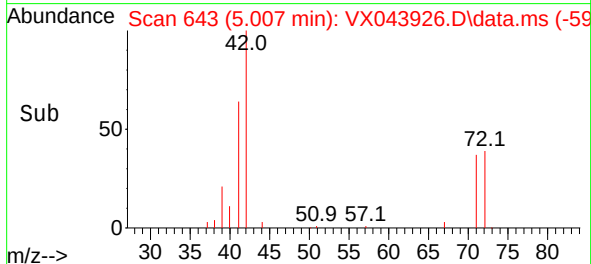
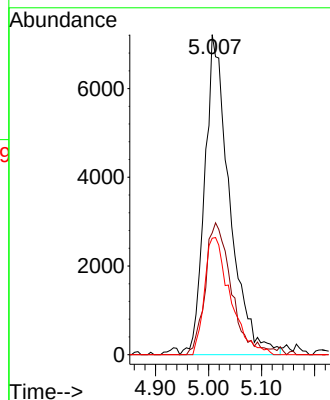
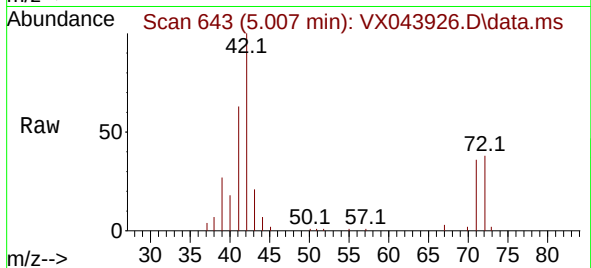
Tgt Ion: 42 Resp: 23518

Ion Ratio Lower Upper

42 100

72 43.4 36.4 54.6

71 38.1 33.4 50.0



#30

Chloroform

Concen: 4.954 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043926.D

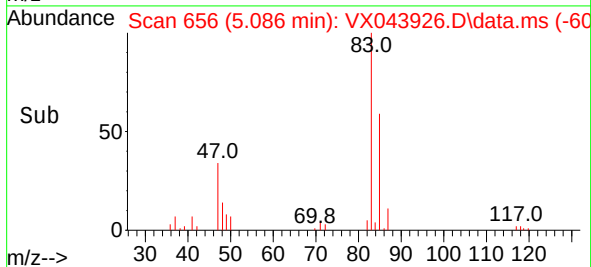
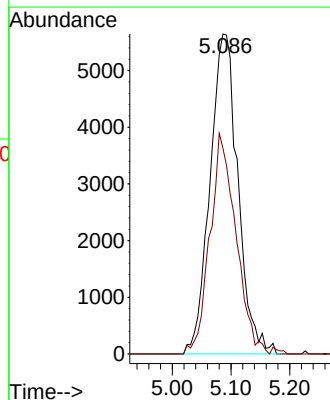
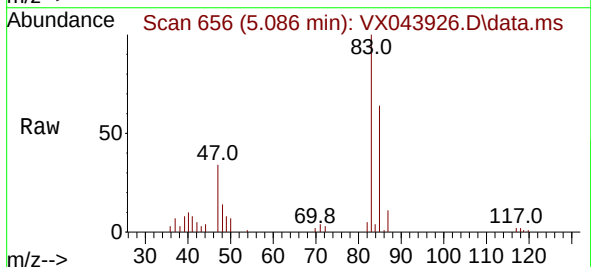
Acq: 21 Nov 2024 10:14

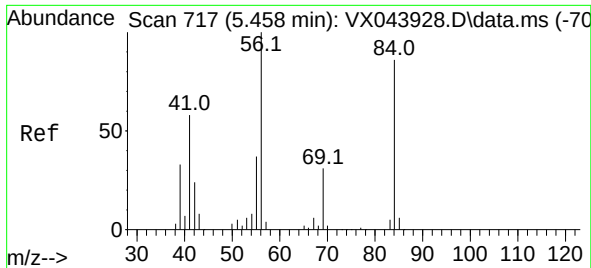
Tgt Ion: 83 Resp: 18661

Ion Ratio Lower Upper

83 100

85 64.3 53.5 80.3

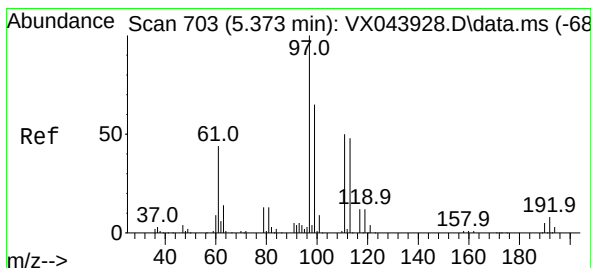
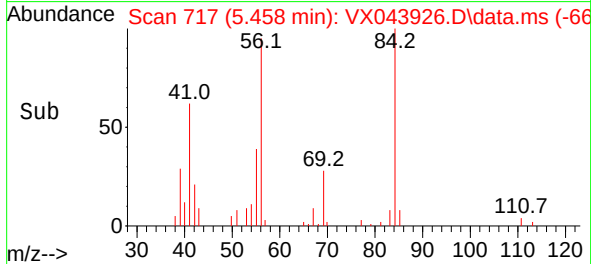
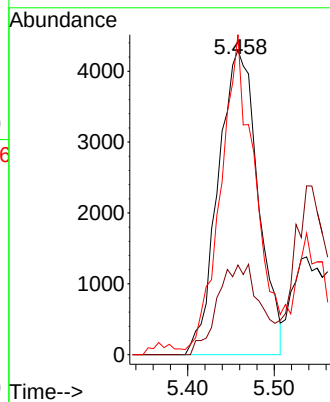
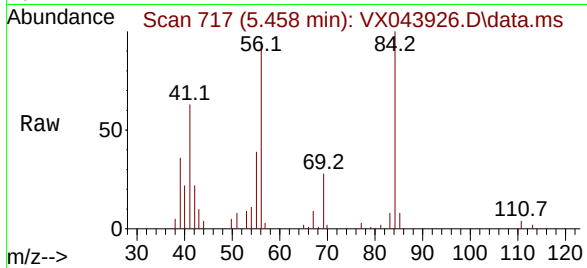




#31  
Cyclohexane  
Concen: 4.767 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

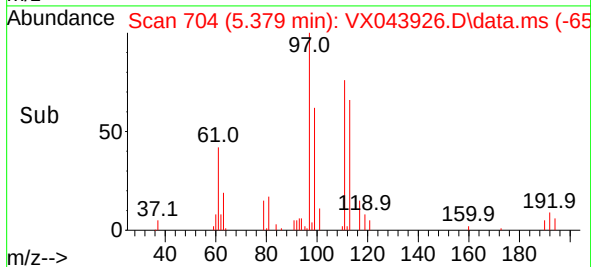
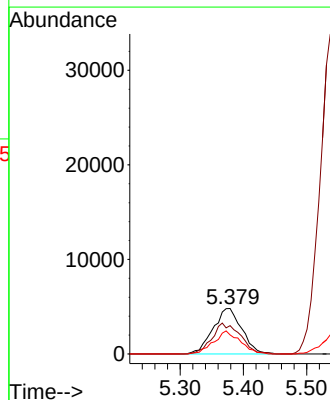
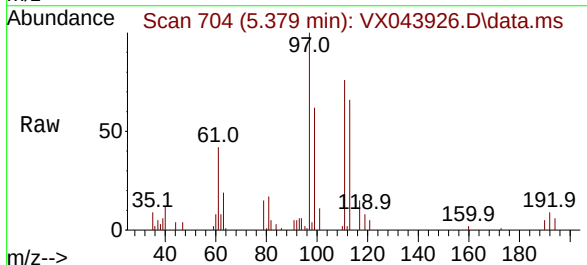
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

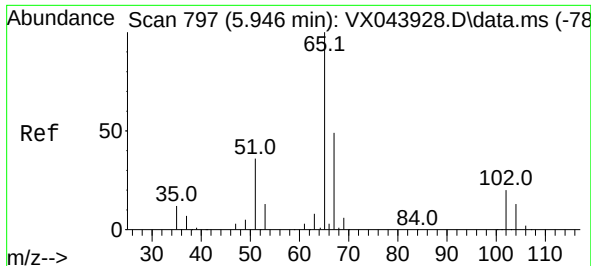
Tgt Ion: 56 Resp: 13740  
Ion Ratio Lower Upper  
56 100  
69 29.5 24.7 37.1  
84 103.2 68.7 103.1#



#32  
1,1,1-Trichloroethane  
Concen: 4.667 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 97 Resp: 15162  
Ion Ratio Lower Upper  
97 100  
99 66.9 50.8 76.2  
61 46.2 35.4 53.2

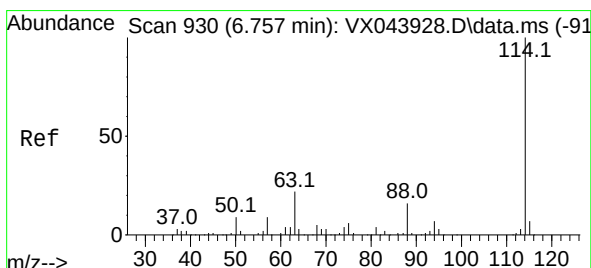
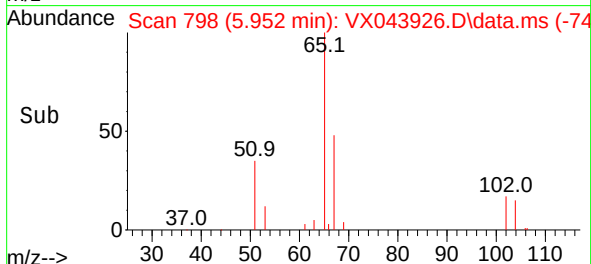
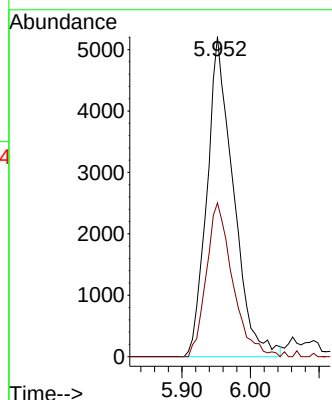
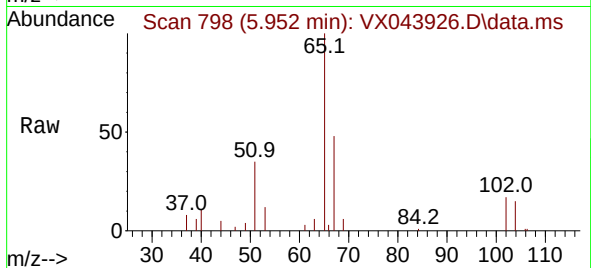




#33  
 1,2-Dichloroethane-d4  
 Concen: 5.398 ug/l  
 RT: 5.952 min Scan# 798  
 Delta R.T. 0.006 min  
 Lab File: VX043926.D  
 Acq: 21 Nov 2024 10:14

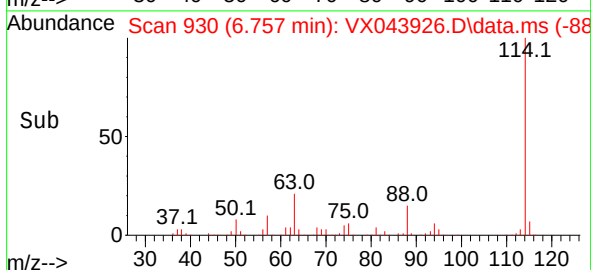
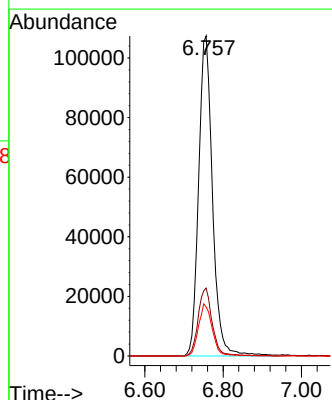
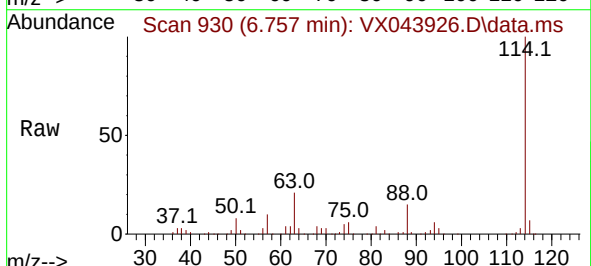
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

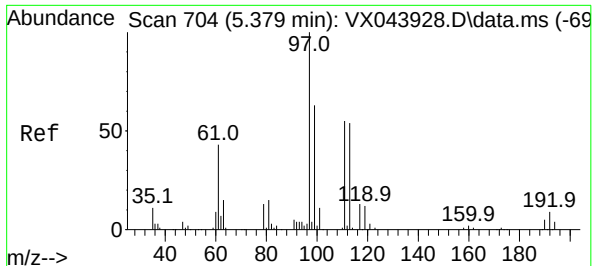
Tgt Ion: 65 Resp: 13961  
 Ion Ratio Lower Upper  
 65 100  
 67 47.8 0.0 100.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX043926.D  
 Acq: 21 Nov 2024 10:14

Tgt Ion: 114 Resp: 264969  
 Ion Ratio Lower Upper  
 114 100  
 63 21.2 0.0 44.0  
 88 15.4 0.0 32.4





#35

Dibromofluoromethane

Concen: 5.198 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

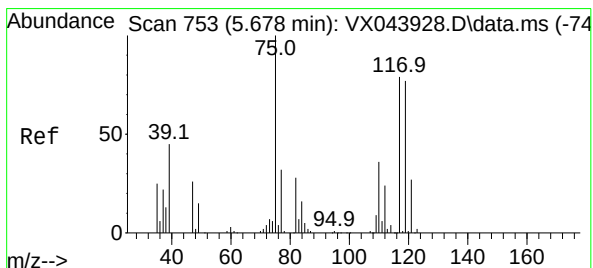
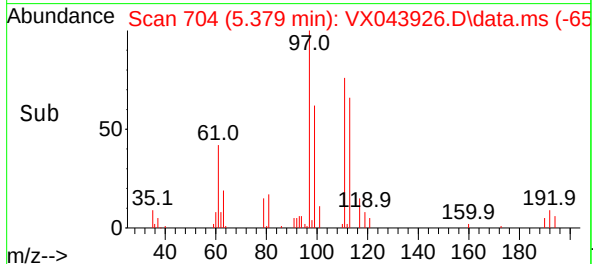
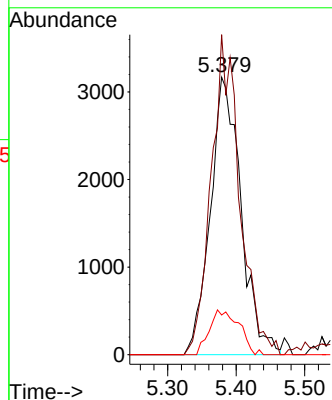
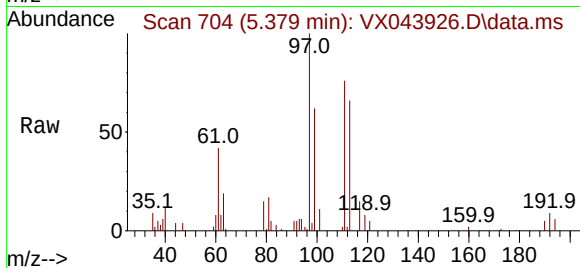
Tgt Ion:113 Resp: 9842

Ion Ratio Lower Upper

113 100

111 107.2 81.0 121.4

192 15.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 4.834 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

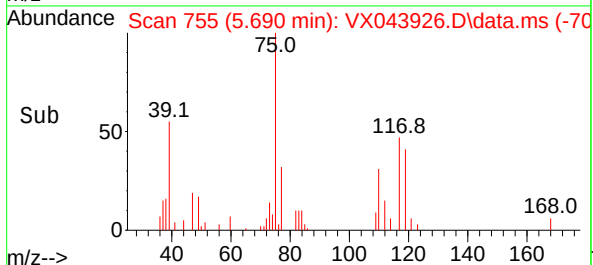
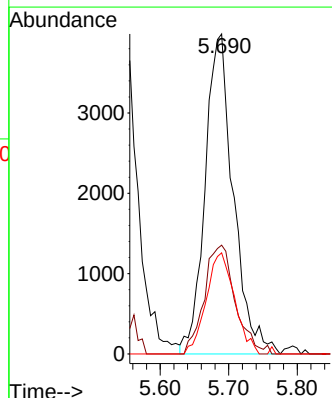
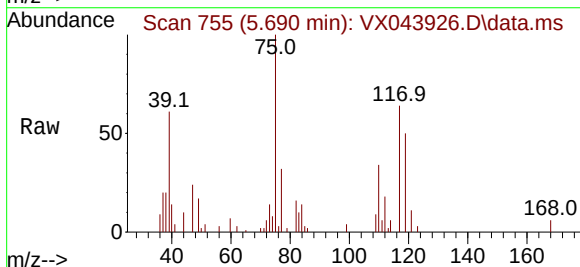
Tgt Ion: 75 Resp: 11406

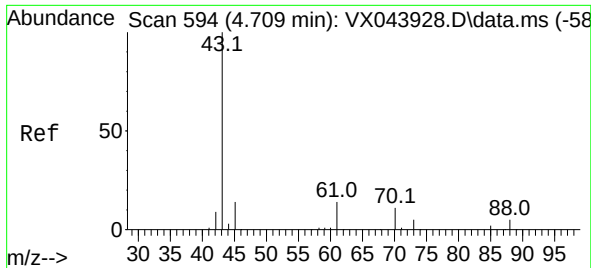
Ion Ratio Lower Upper

75 100

110 37.4 17.4 52.2

77 31.6 25.8 38.8





#37

Ethyl Acetate

Concen: 4.158 ug/l

RT: 4.720 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

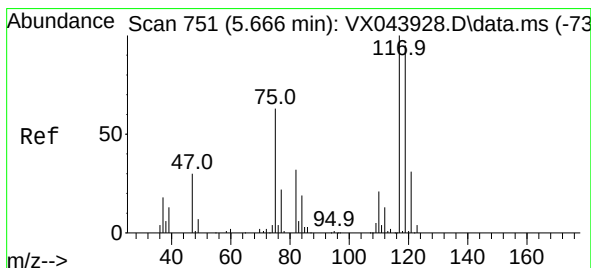
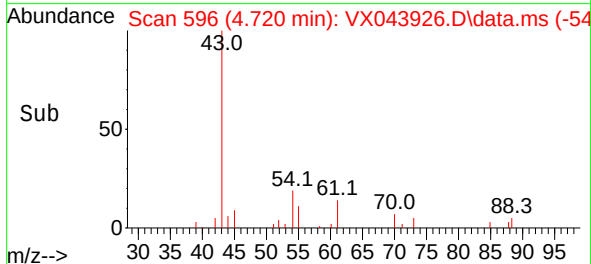
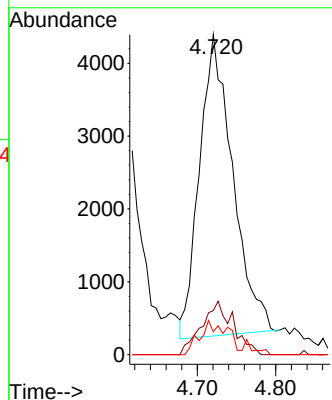
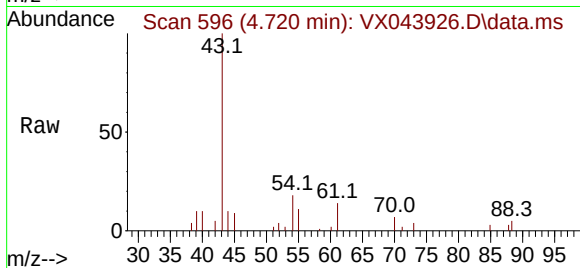
Tgt Ion: 43 Resp: 12177

Ion Ratio Lower Upper

43 100

61 16.9 10.7 16.1#

70 9.4 8.0 12.0



#38

Carbon Tetrachloride

Concen: 4.658 ug/l

RT: 5.665 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

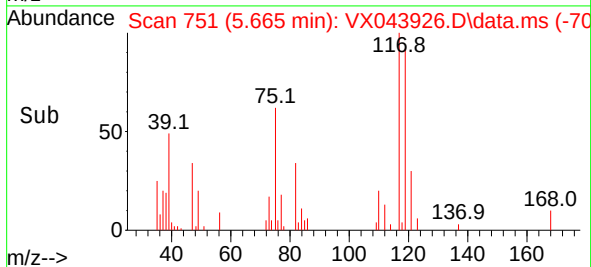
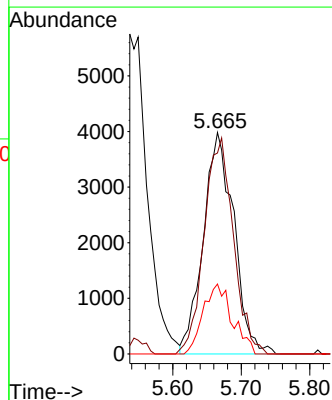
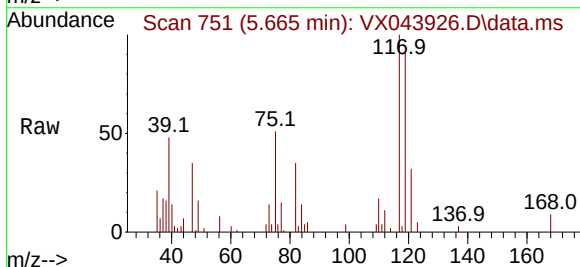
Tgt Ion: 117 Resp: 12348

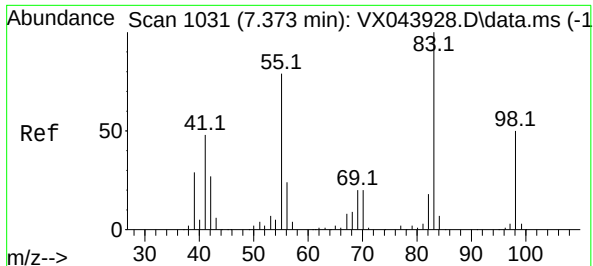
Ion Ratio Lower Upper

117 100

119 90.7 75.2 112.8

121 31.5 24.5 36.7





#39

Methylcyclohexane

Concen: 4.803 ug/l

RT: 7.372 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

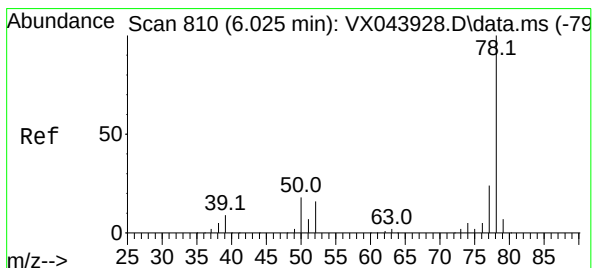
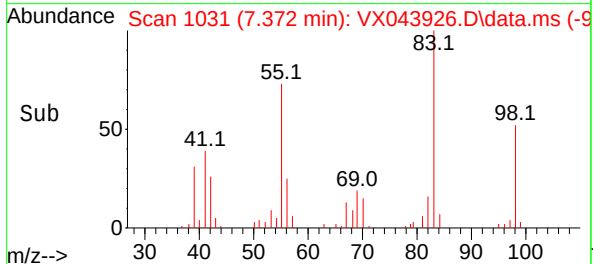
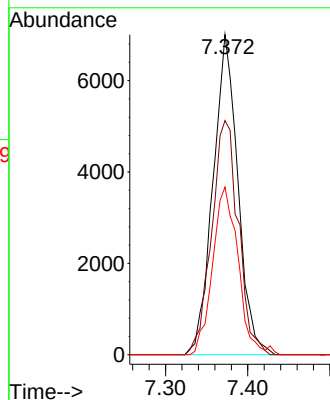
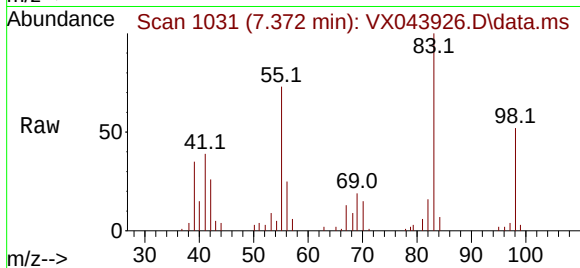
Tgt Ion: 83 Resp: 14721

Ion Ratio Lower Upper

83 100

55 73.1 63.1 94.7

98 52.4 40.0 60.0



#40

Benzene

Concen: 4.937 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043926.D

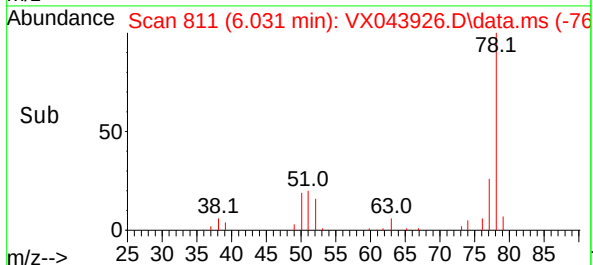
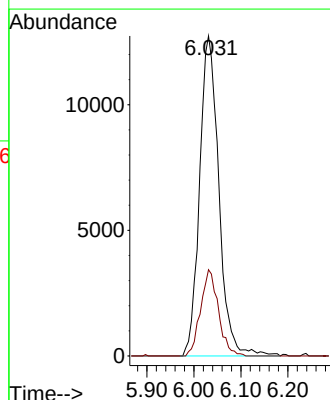
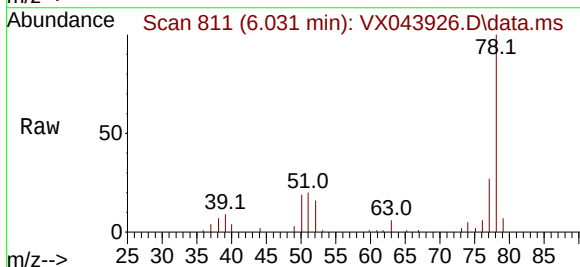
Acq: 21 Nov 2024 10:14

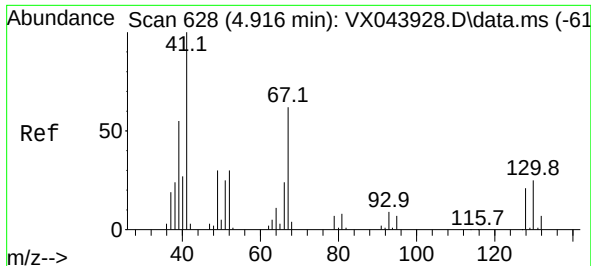
Tgt Ion: 78 Resp: 36283

Ion Ratio Lower Upper

78 100

77 27.0 19.2 28.8

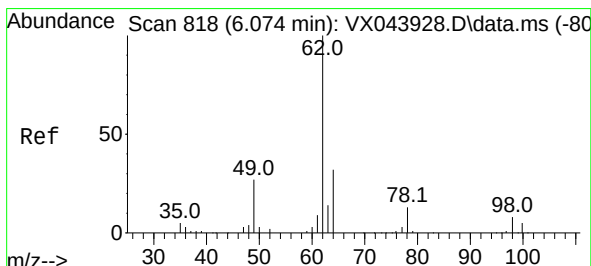
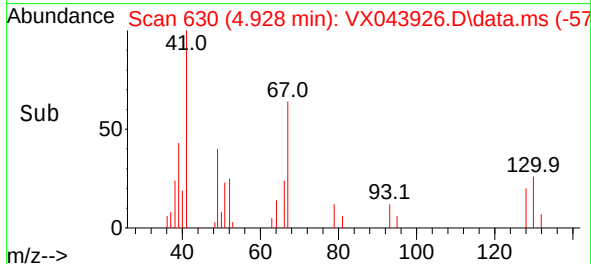
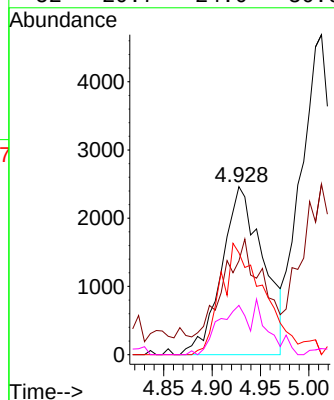
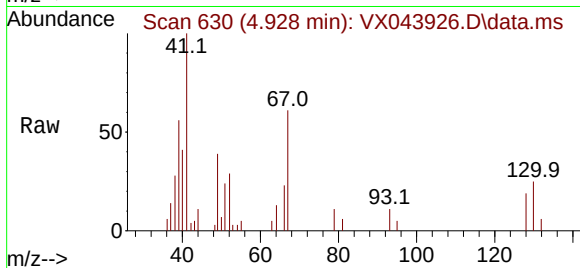




#41  
Methacrylonitrile  
Concen: 4.907 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

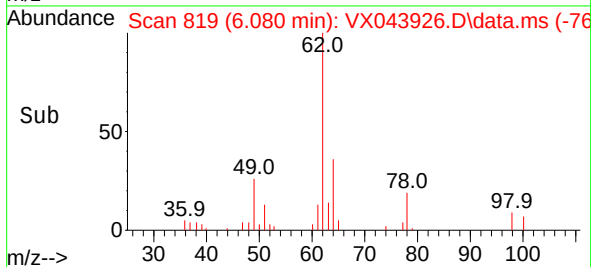
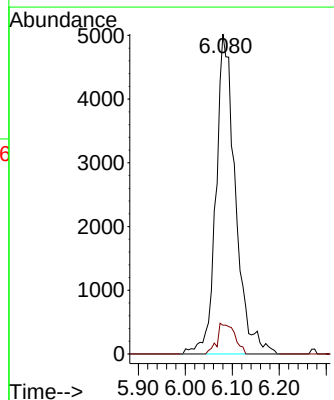
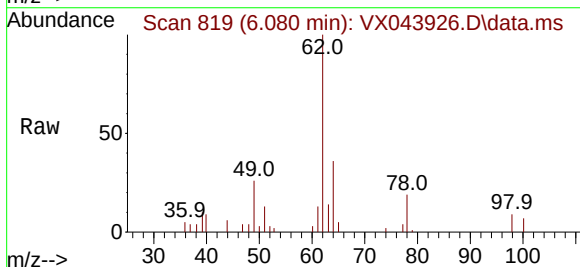
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 7355  |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.5  | 41.7  | 62.5  |
| 67       | 72.4  | 55.8  | 83.8  |
| 52       | 20.7  | 24.0  | 36.0  |

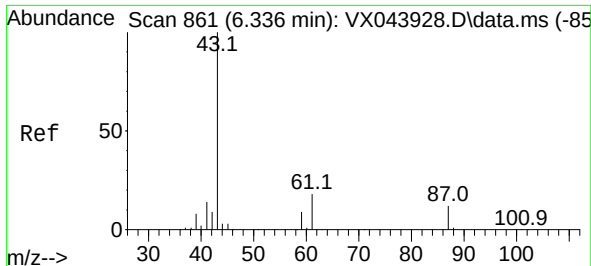


#42  
1,2-Dichloroethane  
Concen: 4.901 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 14467 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.6   | 0.0   | 16.4  |







#43

Isopropyl Acetate

Concen: 4.777 ug/l

RT: 6.348 min Scan# 8

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

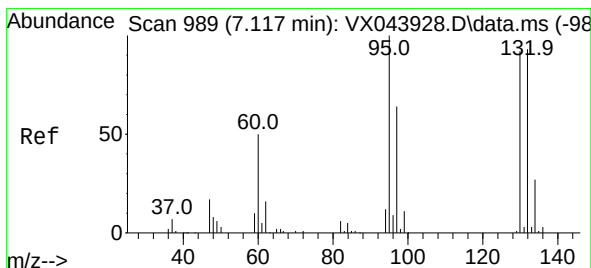
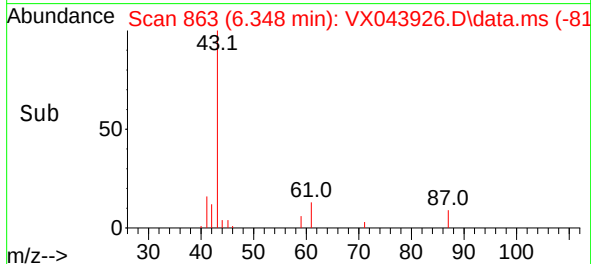
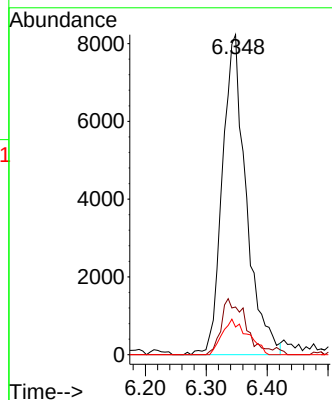
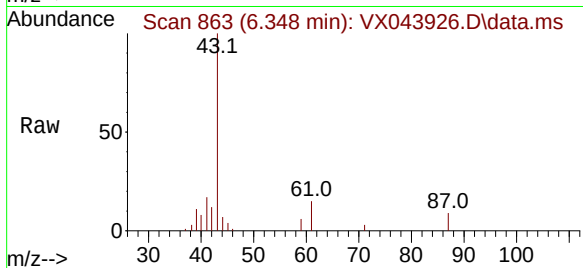
Tgt Ion: 43 Resp: 22267

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

87 11.9 10.2 15.2



#44

Trichloroethene

Concen: 4.736 ug/l

RT: 7.128 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX043926.D

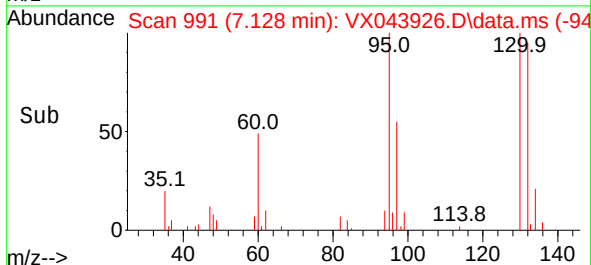
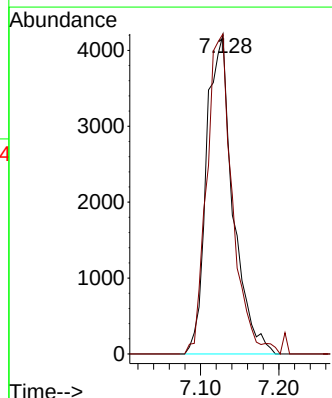
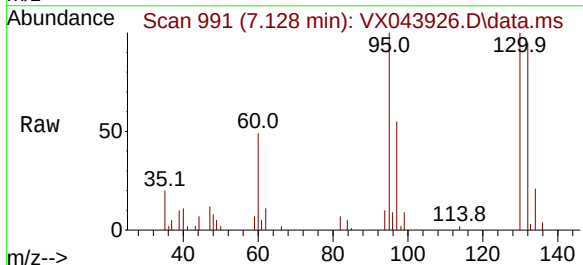
Acq: 21 Nov 2024 10:14

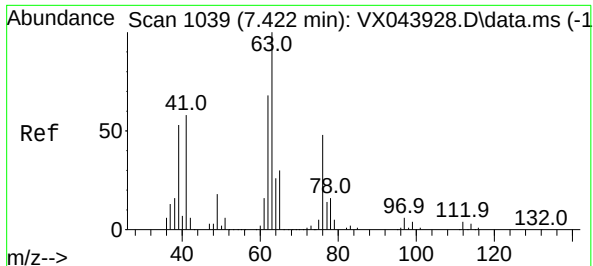
Tgt Ion:130 Resp: 9852

Ion Ratio Lower Upper

130 100

95 100.3 0.0 217.8





#45

1,2-Dichloropropane

Concen: 4.736 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

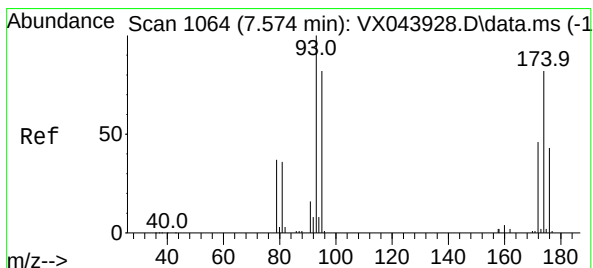
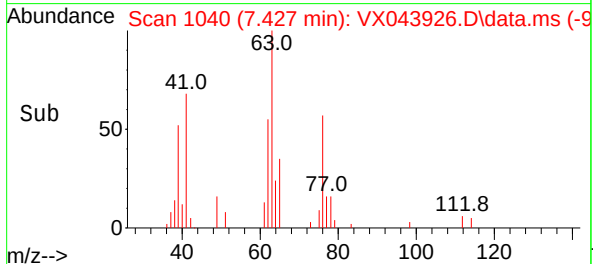
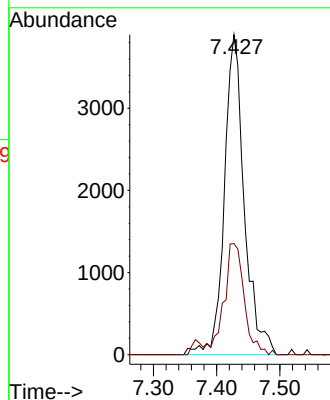
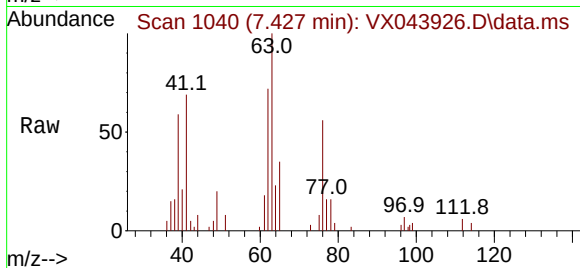
VSTDIC005

Tgt Ion: 63 Resp: 8525

Ion Ratio Lower Upper

63 100

65 34.7 23.8 35.6



#46

Dibromomethane

Concen: 4.475 ug/l

RT: 7.586 min Scan# 1066

Delta R.T. 0.012 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

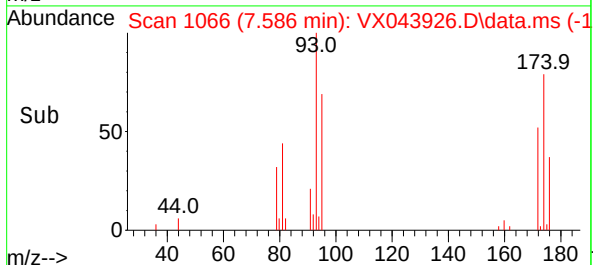
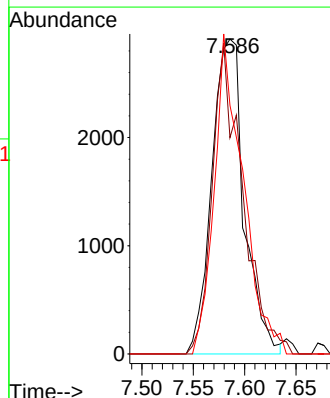
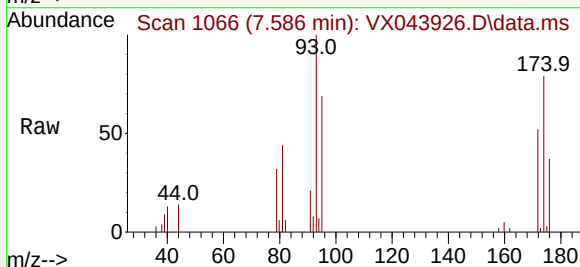
Tgt Ion: 93 Resp: 6372

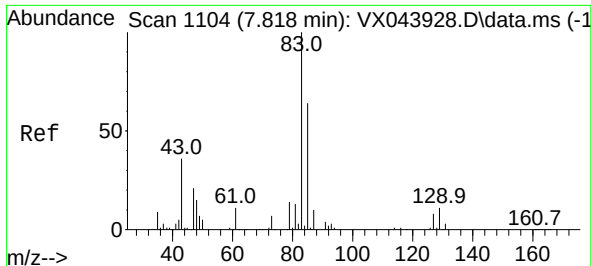
Ion Ratio Lower Upper

93 100

95 92.5 66.2 99.4

174 90.3 69.6 104.4

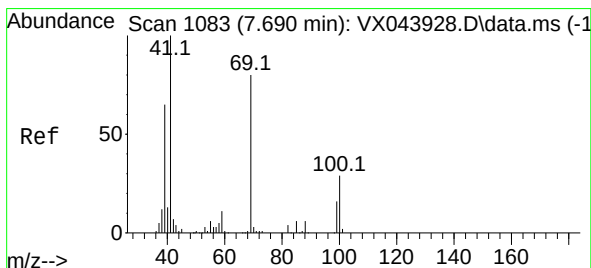
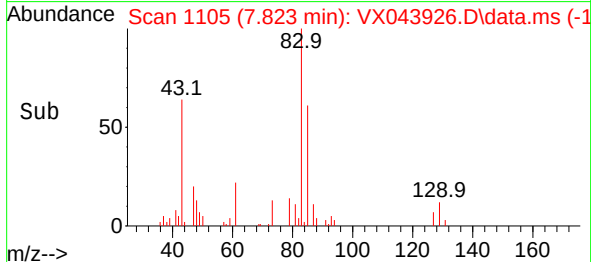
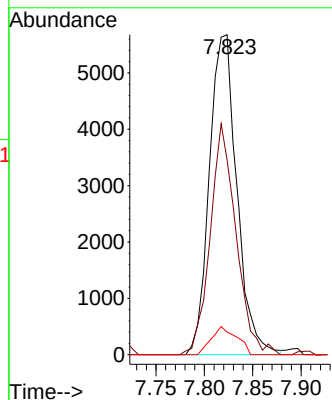
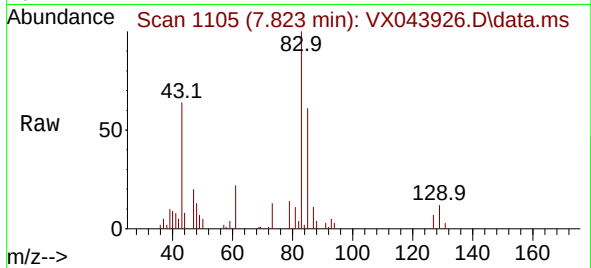




#47  
Bromodichloromethane  
Concen: 4.405 ug/l  
RT: 7.823 min Scan# 1105  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

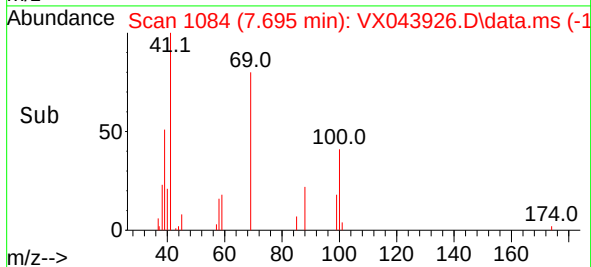
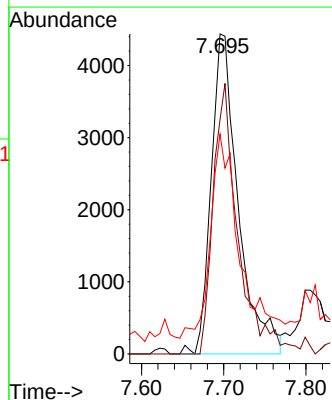
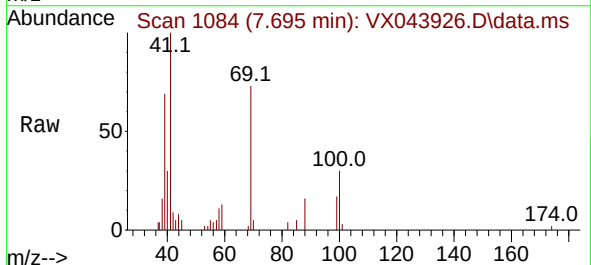
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

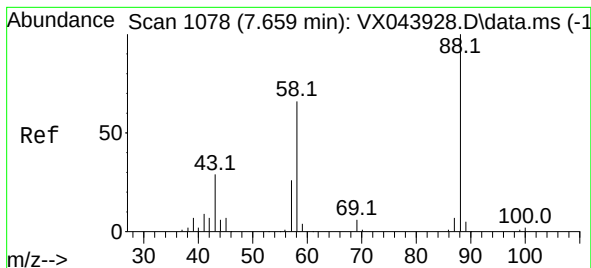
Tgt Ion: 83 Resp: 11249  
Ion Ratio Lower Upper  
83 100  
85 60.8 51.4 77.0  
127 7.1 6.6 10.0



#48  
Methyl methacrylate  
Concen: 4.556 ug/l  
RT: 7.695 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 41 Resp: 10190  
Ion Ratio Lower Upper  
41 100  
69 77.6 64.6 97.0  
39 60.5 53.3 79.9





#49

1,4-Dioxane

Concen: 79.255 ug/l

RT: 7.677 min Scan# 1

Delta R.T. 0.018 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

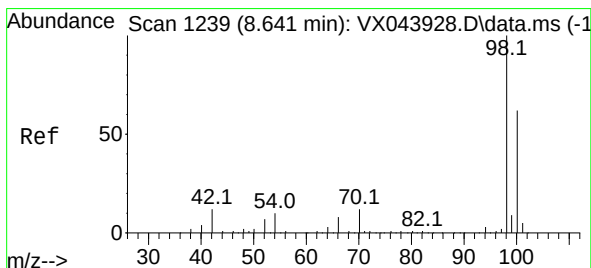
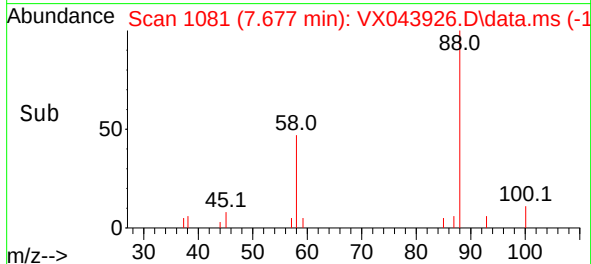
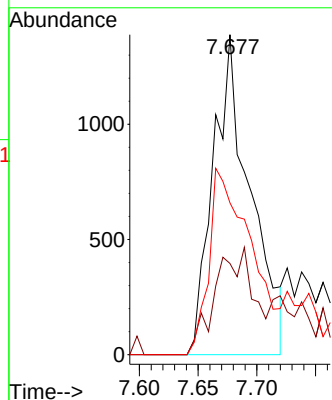
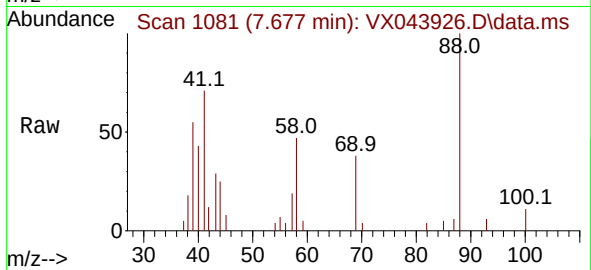
Tgt Ion: 88 Resp: 3056

Ion Ratio Lower Upper

88 100

43 0.0 26.8 40.2#

58 66.3 45.4 68.2



#50

Toluene-d8

Concen: 5.389 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043926.D

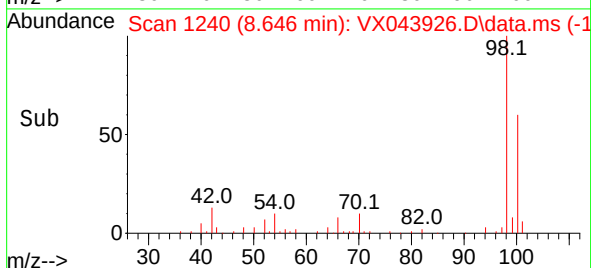
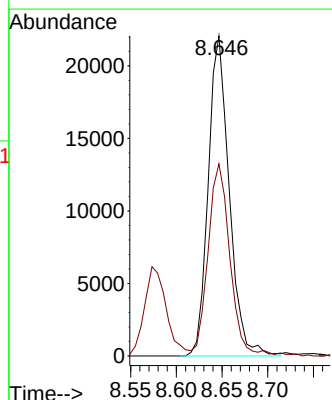
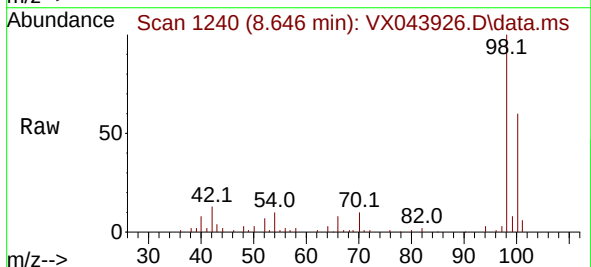
Acq: 21 Nov 2024 10:14

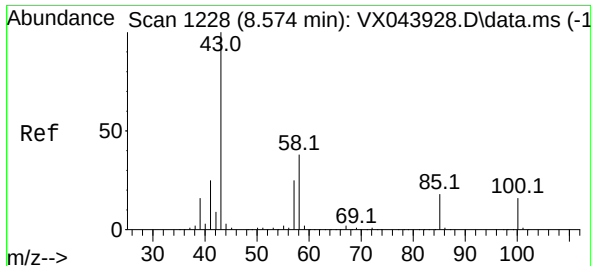
Tgt Ion: 98 Resp: 35173

Ion Ratio Lower Upper

98 100

100 62.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 24.556 ug/l

RT: 8.573 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

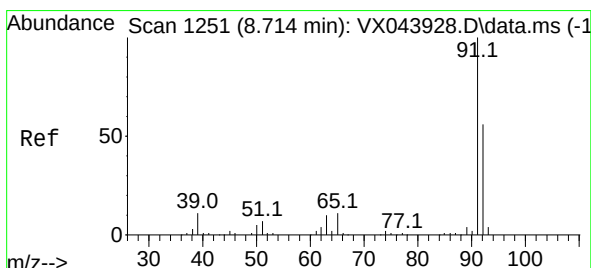
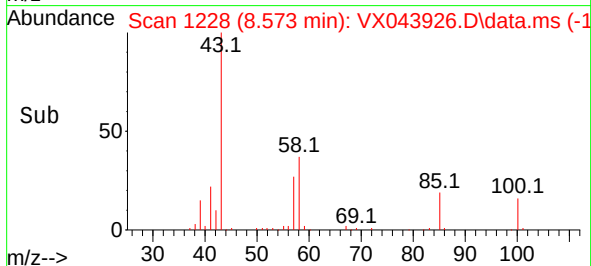
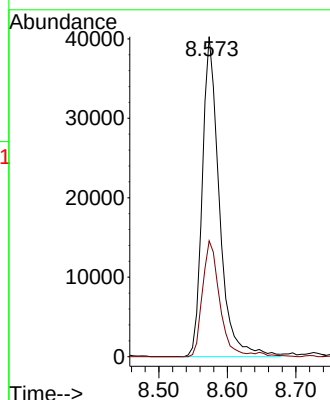
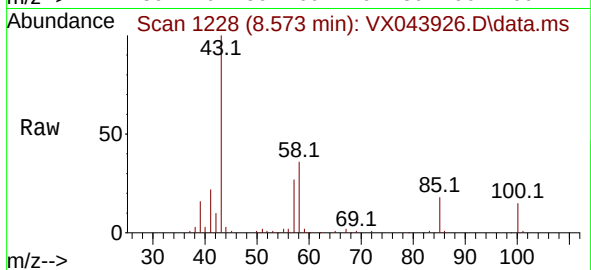
VSTDICC005

Tgt Ion: 43 Resp: 69843

Ion Ratio Lower Upper

43 100

58 35.9 30.0 45.0



#52

Toluene

Concen: 5.051 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043926.D

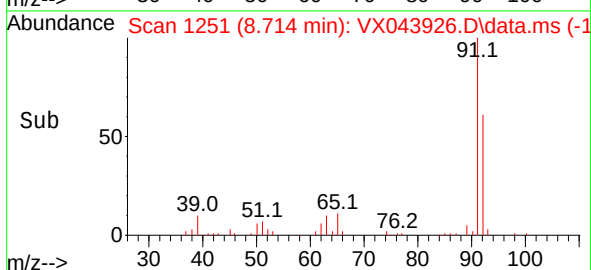
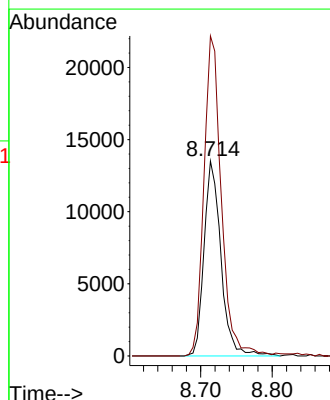
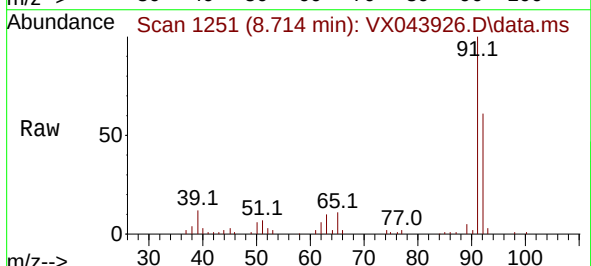
Acq: 21 Nov 2024 10:14

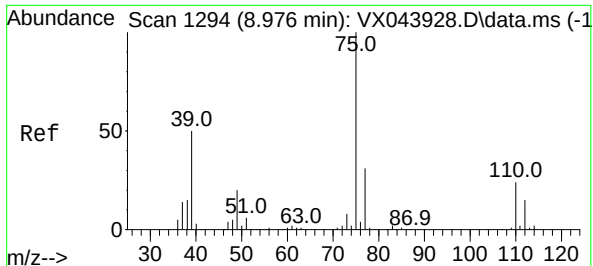
Tgt Ion: 92 Resp: 22218

Ion Ratio Lower Upper

92 100

91 168.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 4.200 ug/l

RT: 8.982 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

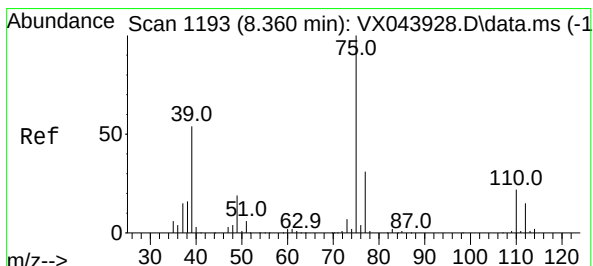
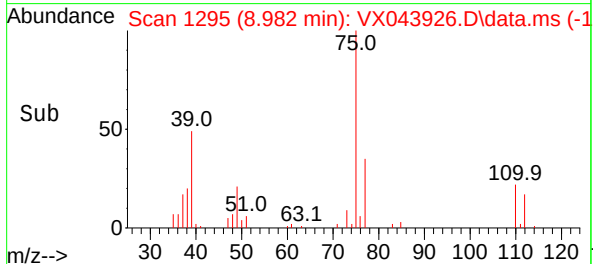
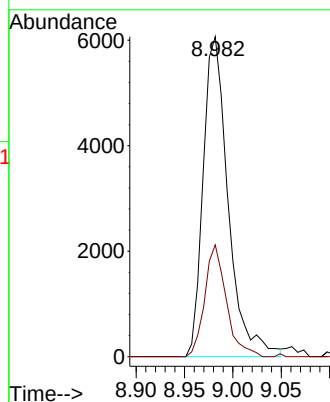
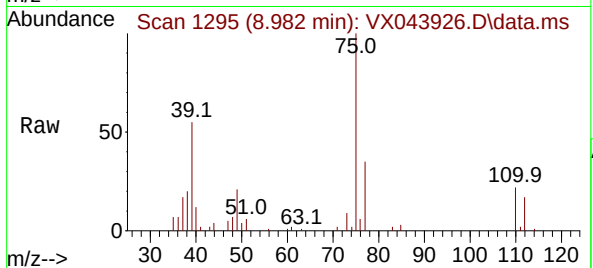
VSTDIC005

Tgt Ion: 75 Resp: 10937

Ion Ratio Lower Upper

75 100

77 35.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 4.292 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

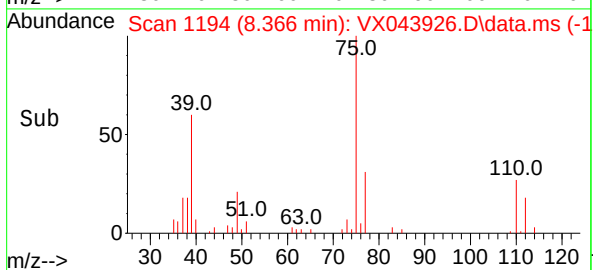
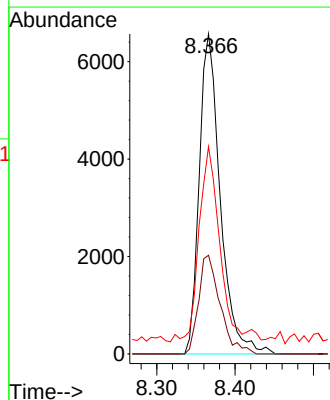
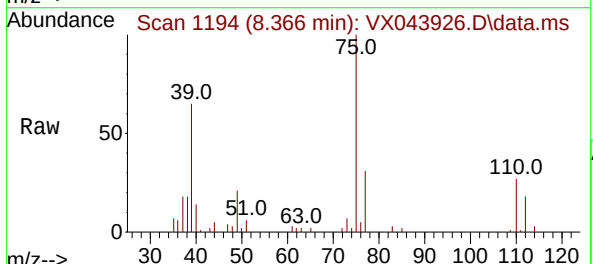
Tgt Ion: 75 Resp: 12253

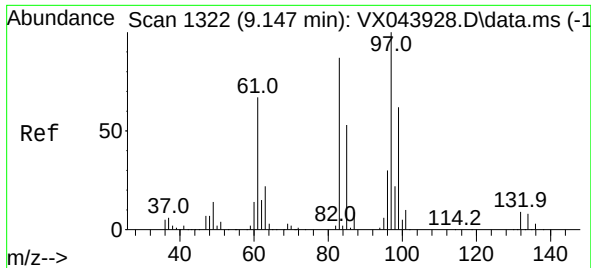
Ion Ratio Lower Upper

75 100

77 30.9 25.2 37.8

39 60.0 43.1 64.7

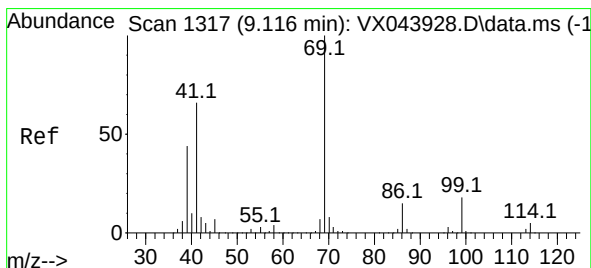
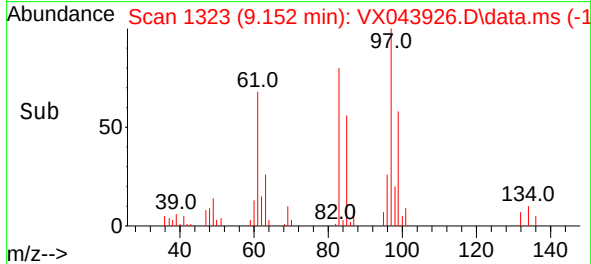
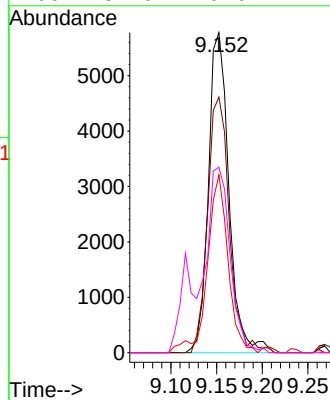
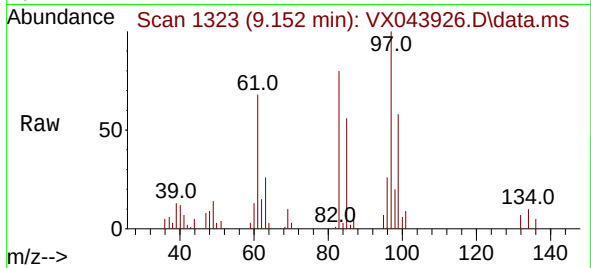




#55  
1,1,2-Trichloroethane  
Concen: 4.957 ug/l  
RT: 9.152 min Scan# 1322  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

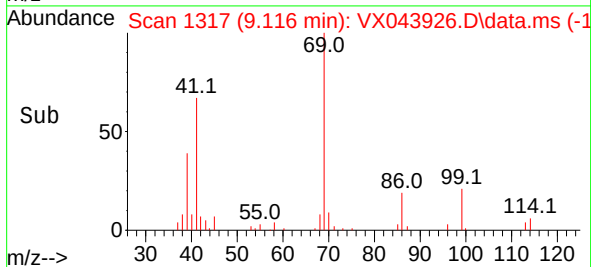
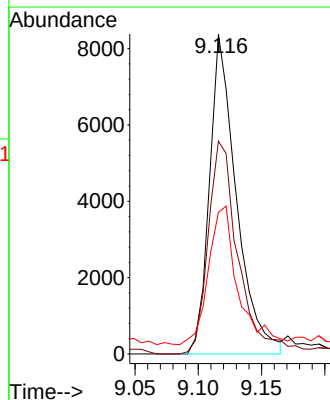
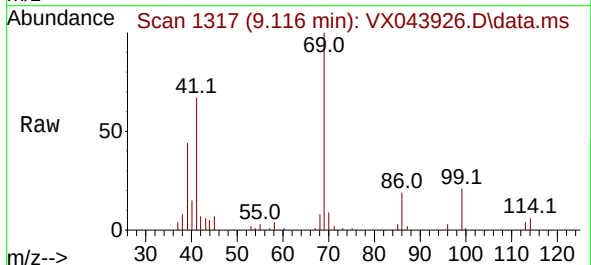
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

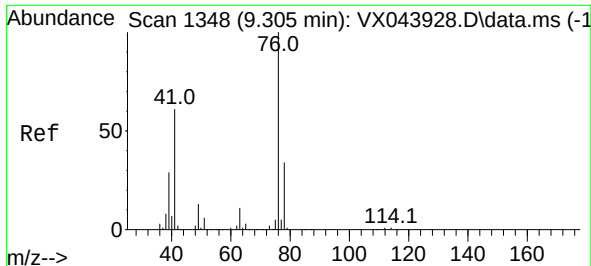
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 9000  |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 79.8  | 69.4  | 104.0 |
| 85       | 55.6  | 42.3  | 63.5  |
| 99       | 57.9  | 49.6  | 74.4  |



#56  
Ethyl methacrylate  
Concen: 4.378 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 12381 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 75.0  | 55.8  | 83.8  |
| 39       | 46.7  | 36.7  | 55.1  |

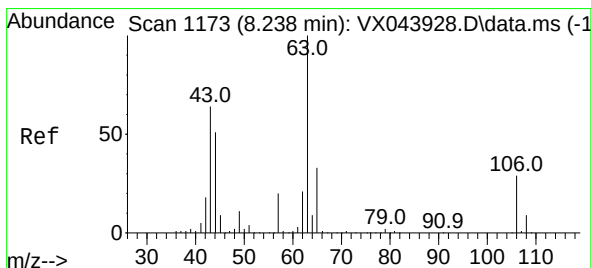
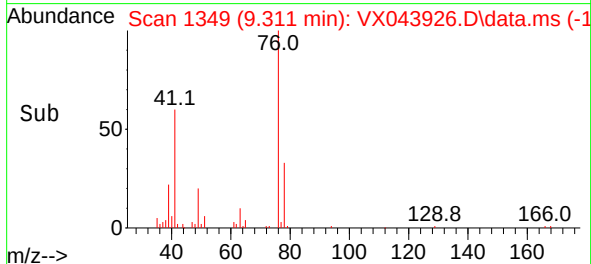
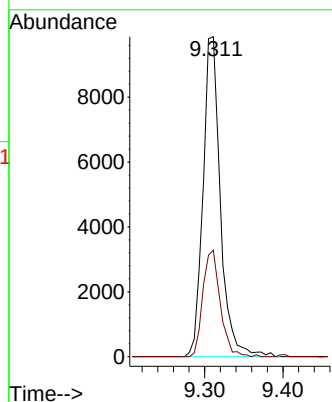
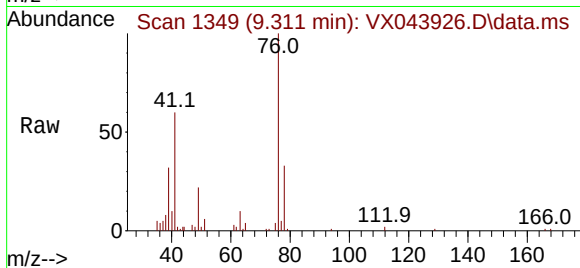




#57  
1,3-Dichloropropane  
Concen: 4.973 ug/l  
RT: 9.311 min Scan# 1349  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

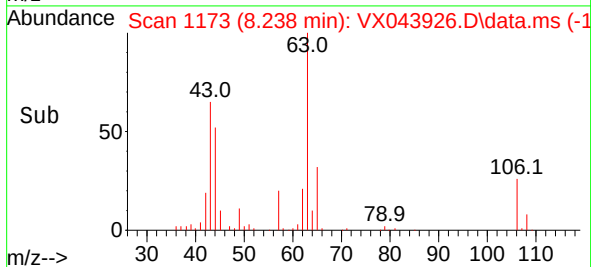
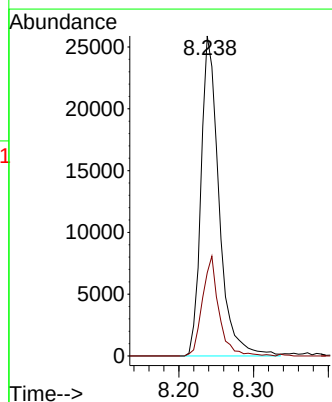
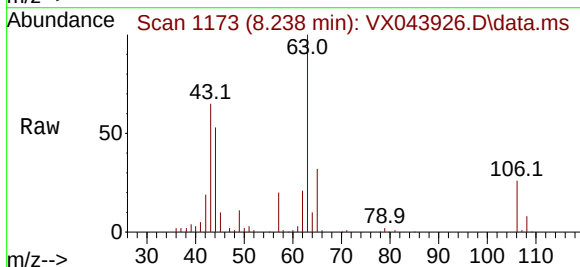
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

Tgt Ion: 76 Resp: 15211  
Ion Ratio Lower Upper  
76 100  
78 33.4 26.0 39.0

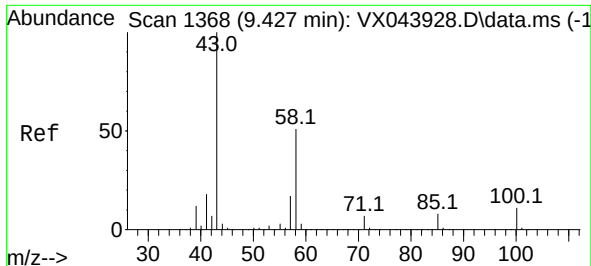


#58  
2-Chloroethyl Vinyl ether  
Concen: 27.673 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 63 Resp: 43351  
Ion Ratio Lower Upper  
63 100  
106 28.6 23.0 34.6







#59

2-Hexanone

Concen: 24.357 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

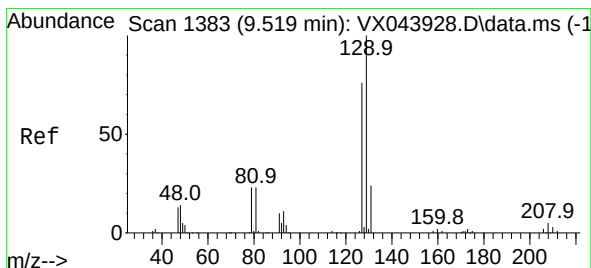
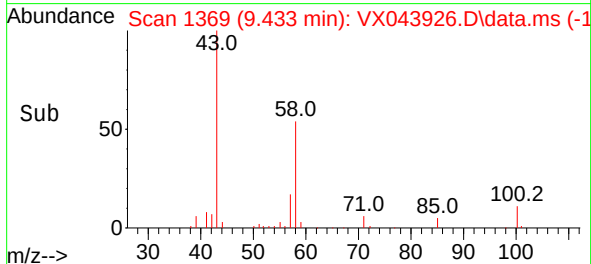
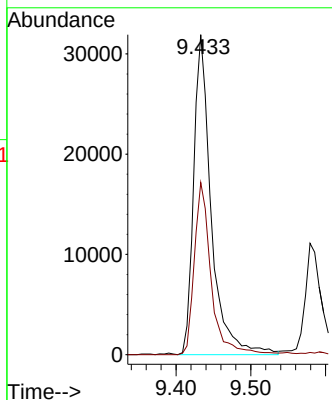
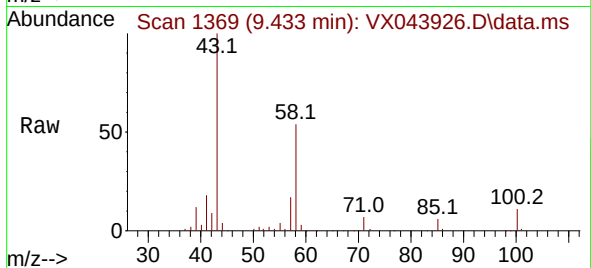
VSTDICC005

Tgt Ion: 43 Resp: 52072

Ion Ratio Lower Upper

43 100

58 51.4 25.9 77.6



#60

Dibromochloromethane

Concen: 4.247 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043926.D

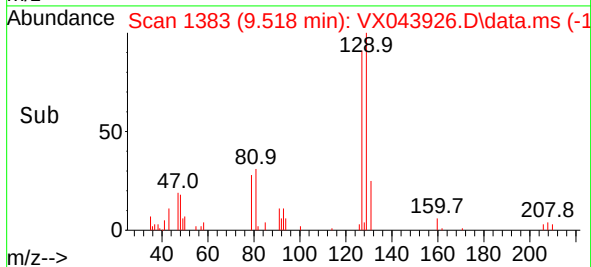
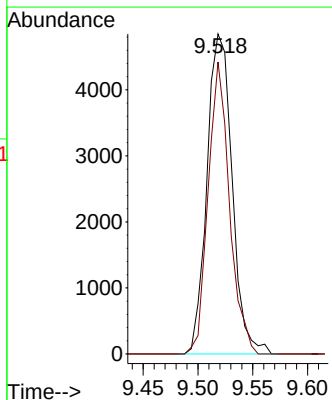
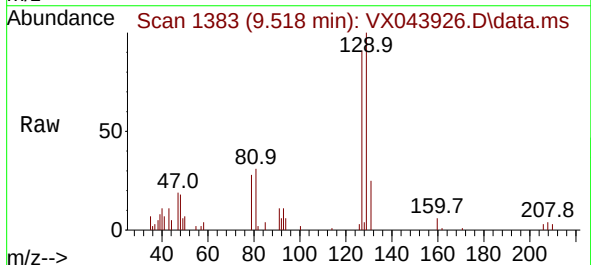
Acq: 21 Nov 2024 10:14

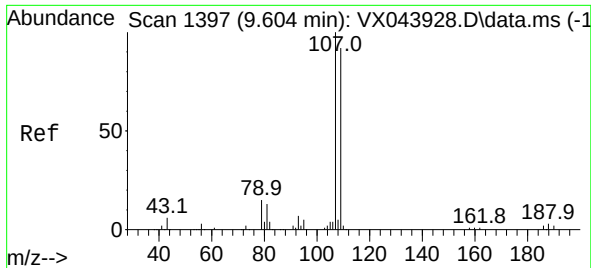
Tgt Ion: 129 Resp: 7738

Ion Ratio Lower Upper

129 100

127 77.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 4.894 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

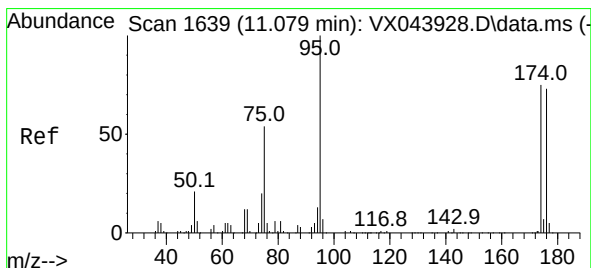
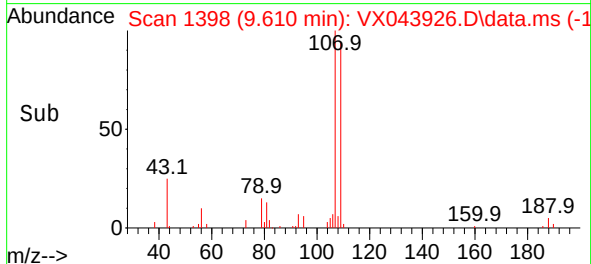
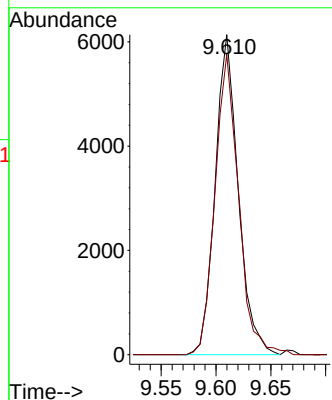
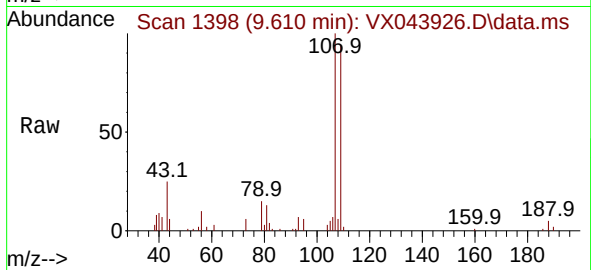
VSTDIC005

Tgt Ion:107 Resp: 8985

Ion Ratio Lower Upper

107 100

109 96.2 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 4.780 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

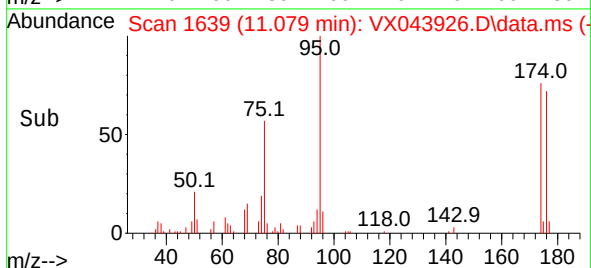
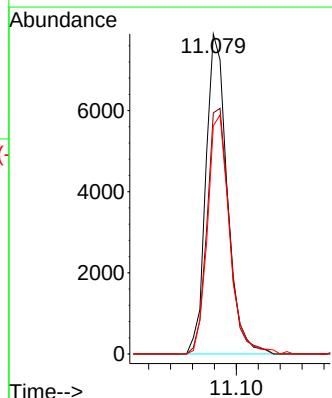
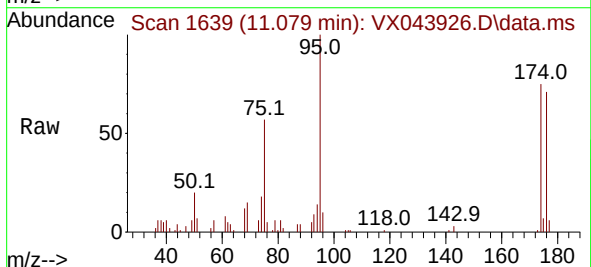
Tgt Ion: 95 Resp: 10618

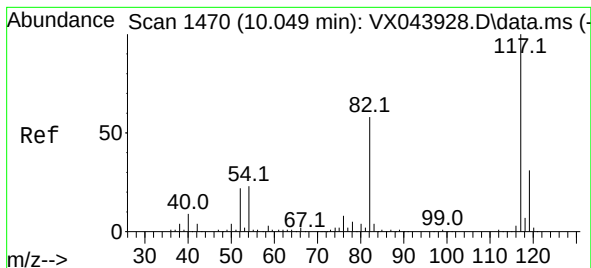
Ion Ratio Lower Upper

95 100

174 80.9 0.0 150.4

176 77.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

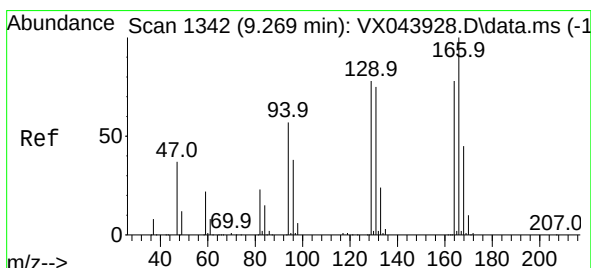
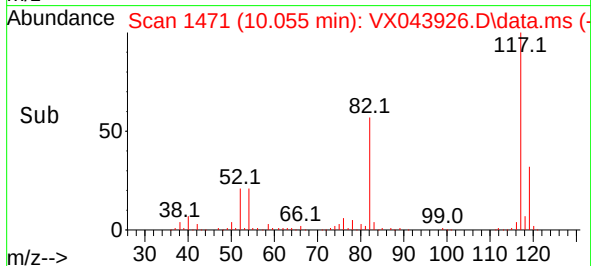
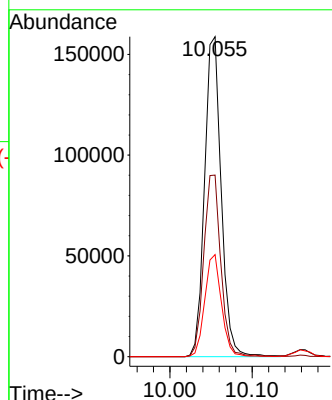
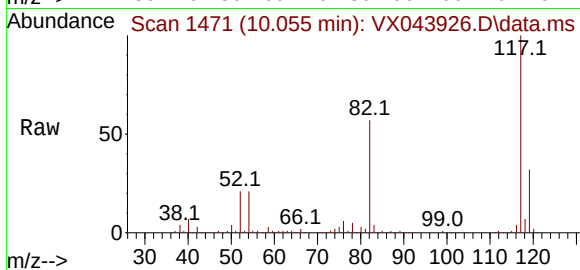
Tgt Ion:117 Resp: 223514

Ion Ratio Lower Upper

117 100

82 56.8 46.4 69.6

119 31.9 24.6 37.0



#64

Tetrachloroethene

Concen: 5.185 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Tgt Ion:164 Resp: 7642

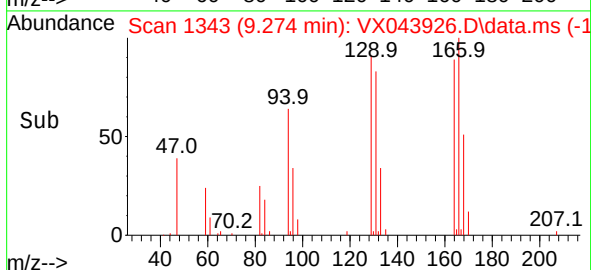
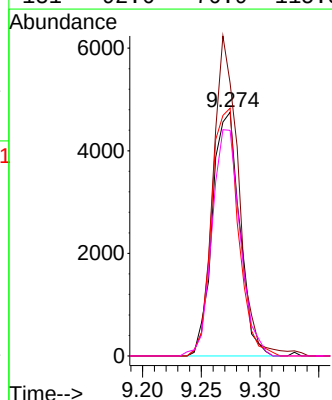
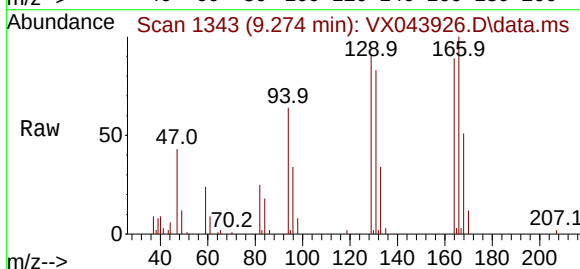
Ion Ratio Lower Upper

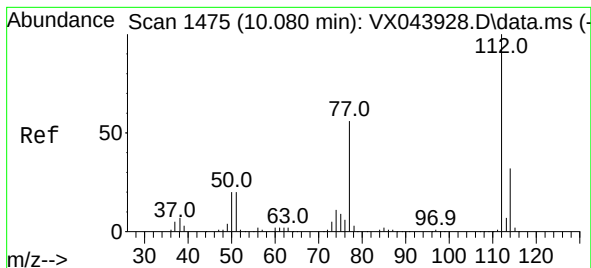
164 100

166 111.9 102.1 153.1

129 101.7 79.6 119.4

131 92.6 76.9 115.3

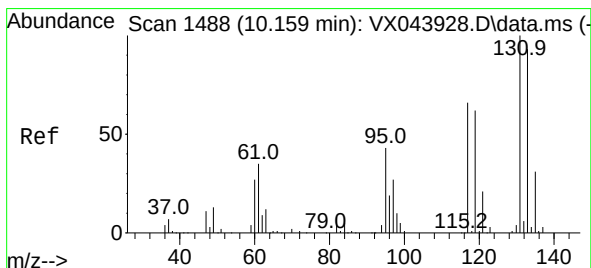
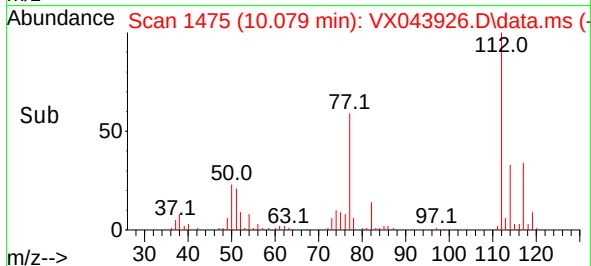
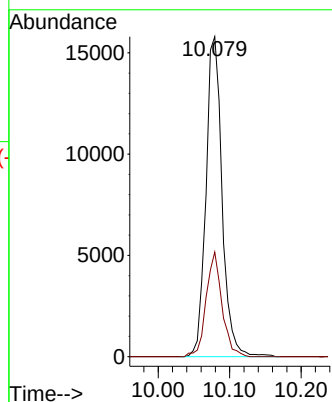
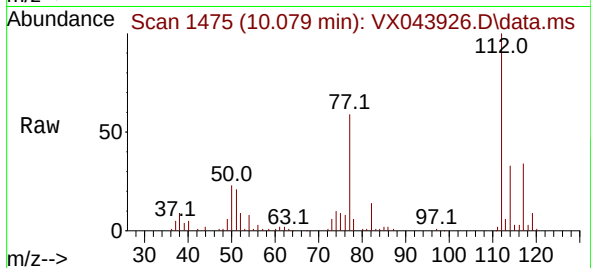




#65  
Chlorobenzene  
Concen: 5.050 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

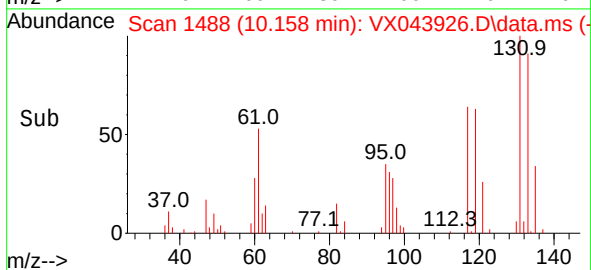
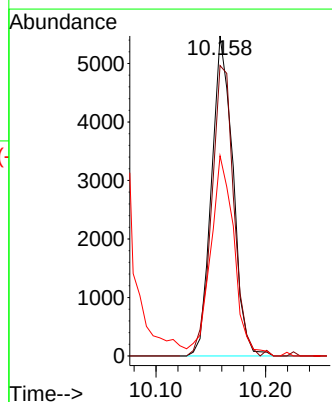
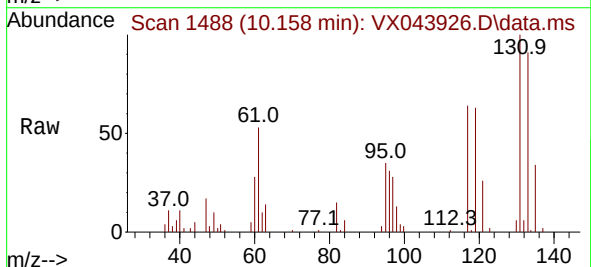
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

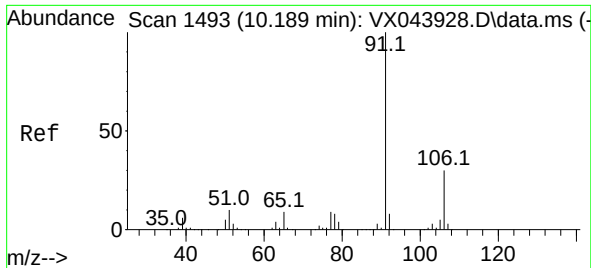
Tgt Ion:112 Resp: 24792  
Ion Ratio Lower Upper  
112 100  
114 32.7 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 4.661 ug/l  
RT: 10.158 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion:131 Resp: 7421  
Ion Ratio Lower Upper  
131 100  
133 94.1 48.2 144.6  
119 68.3 31.5 94.5





#67

Ethyl Benzene

Concen: 4.920 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

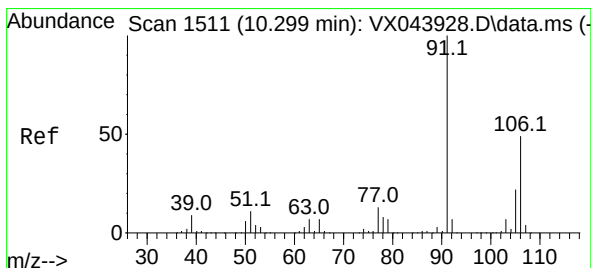
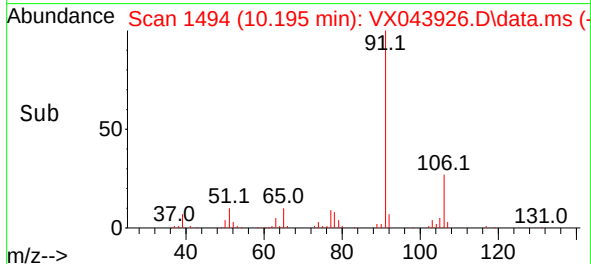
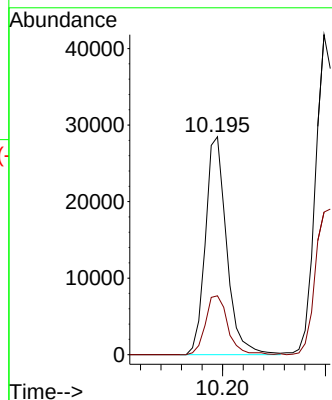
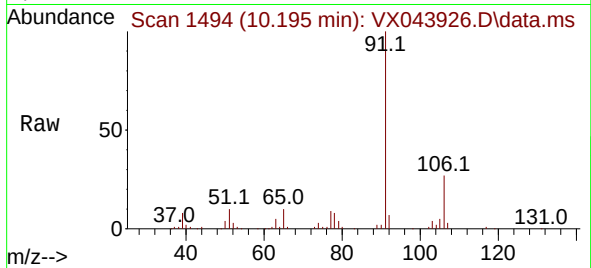
VSTDIC005

Tgt Ion: 91 Resp: 40927

Ion Ratio Lower Upper

91 100

106 27.0 23.6 35.4



#68

m/p-Xylenes

Concen: 9.553 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX043926.D

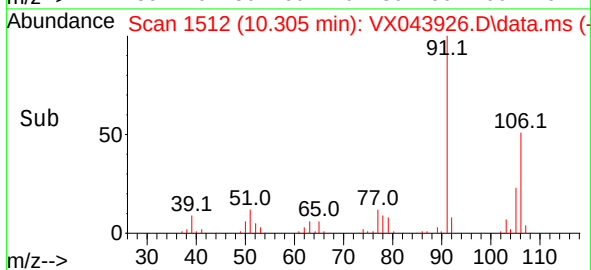
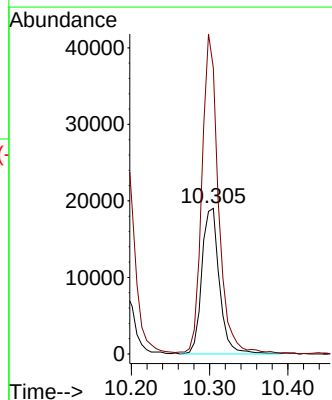
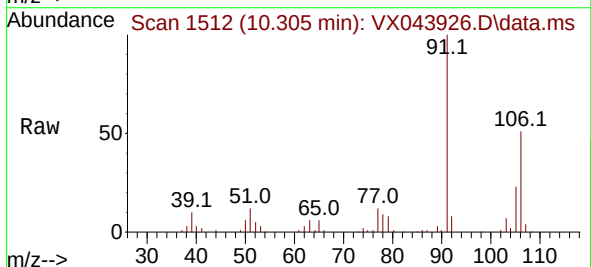
Acq: 21 Nov 2024 10:14

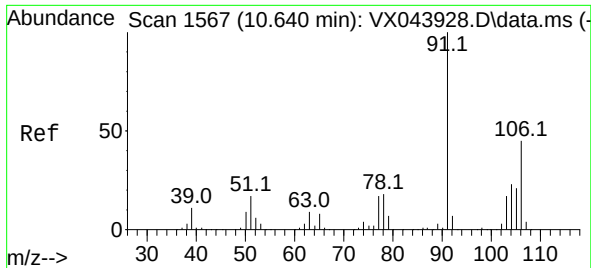
Tgt Ion:106 Resp: 29635

Ion Ratio Lower Upper

106 100

91 208.0 168.1 252.1

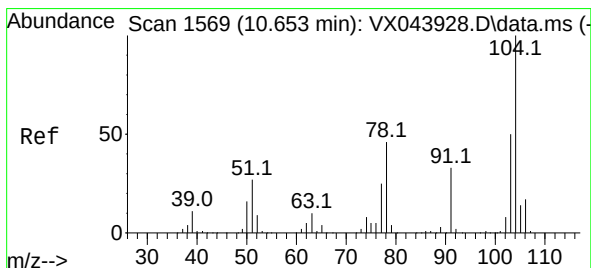
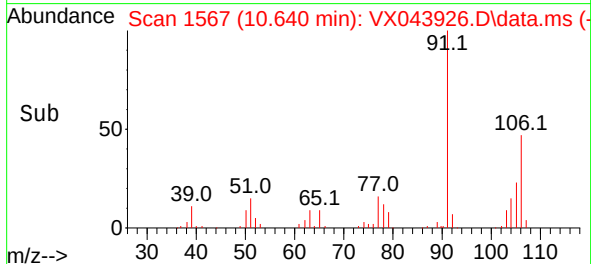
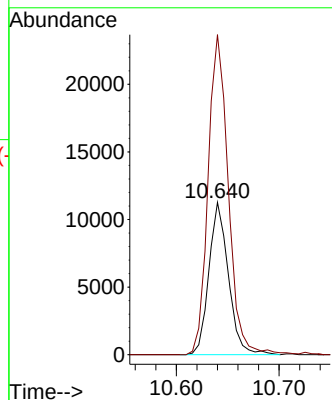
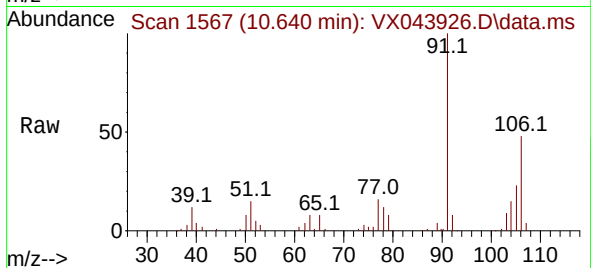




#69  
o-Xylene  
Concen: 4.905 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

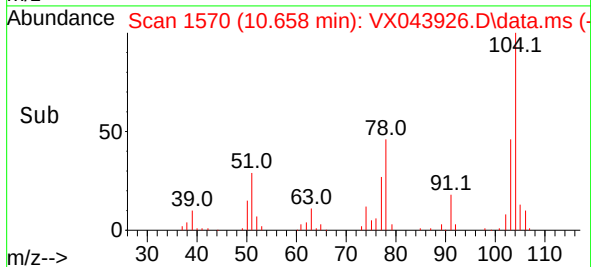
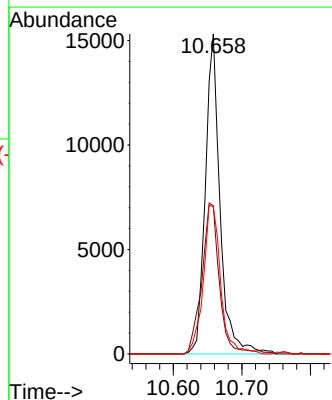
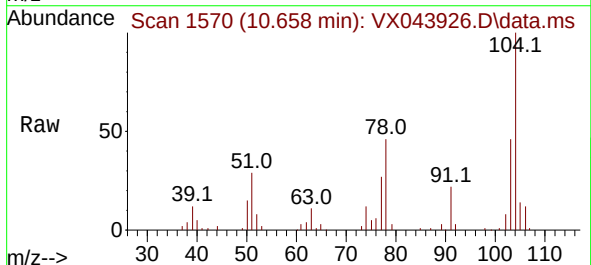
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

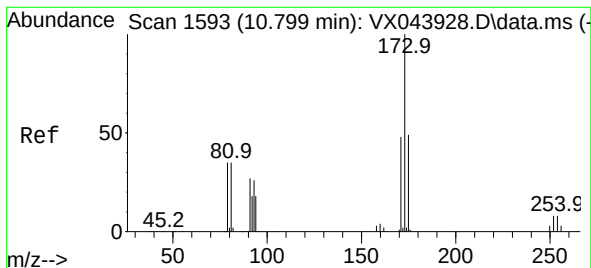
Tgt Ion:106 Resp: 14856  
Ion Ratio Lower Upper  
106 100  
91 217.8 110.2 330.6



#70  
Styrene  
Concen: 4.573 ug/l  
RT: 10.658 min Scan# 1570  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion:104 Resp: 22907  
Ion Ratio Lower Upper  
104 100  
78 56.4 42.2 63.2  
103 54.8 44.7 67.1





#71

Bromoform

Concen: 5.004 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

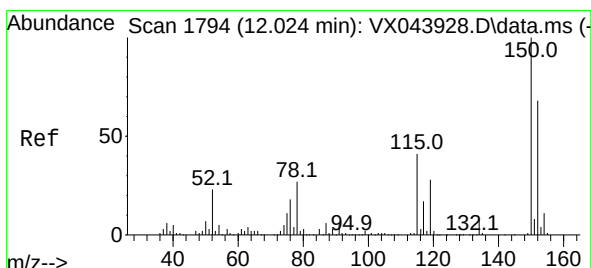
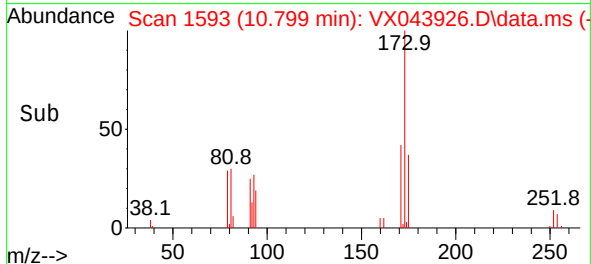
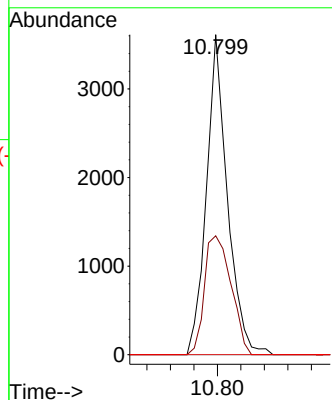
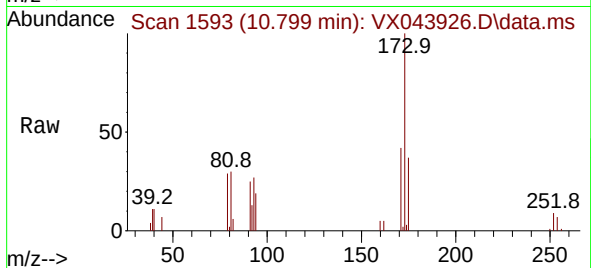
Tgt Ion:173 Resp: 4476

Ion Ratio Lower Upper

173 100

175 47.1 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

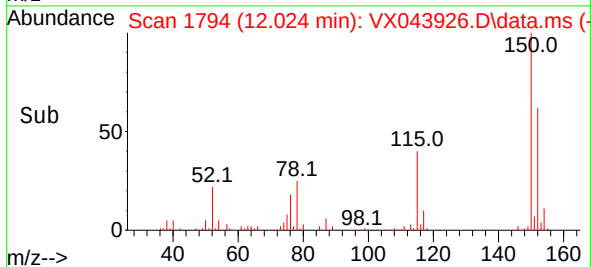
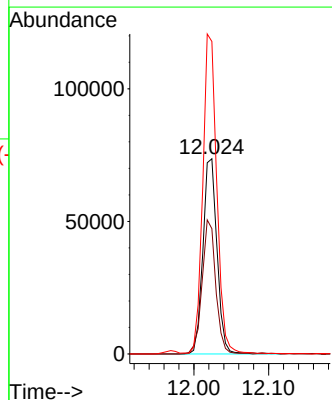
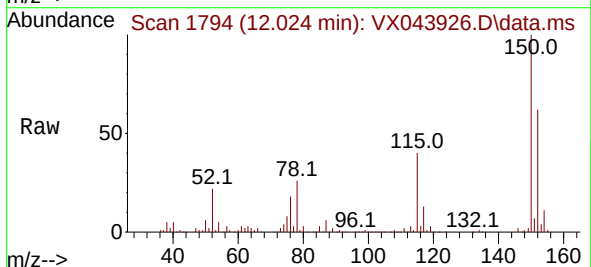
Tgt Ion:152 Resp: 96662

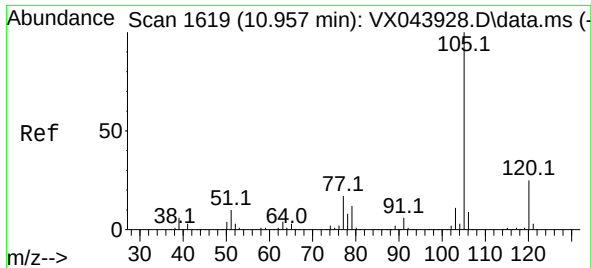
Ion Ratio Lower Upper

152 100

115 66.4 45.4 136.2

150 162.1 0.0 353.0

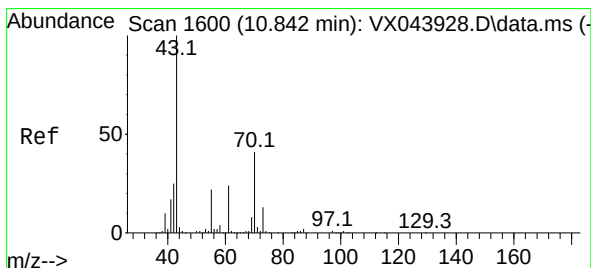
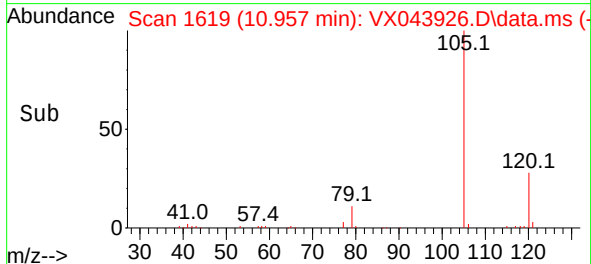
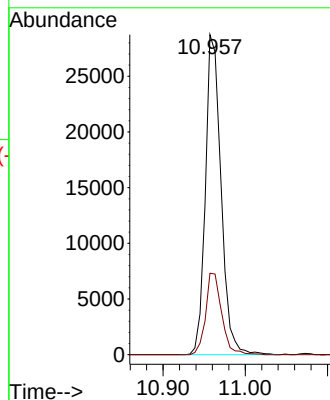
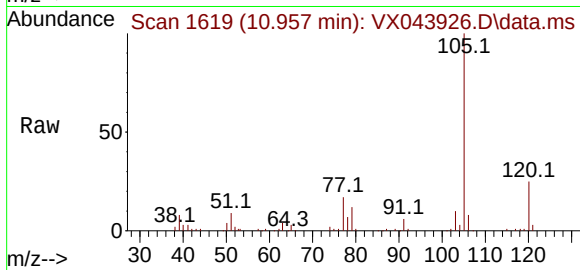




#73  
Isopropylbenzene  
Concen: 5.109 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

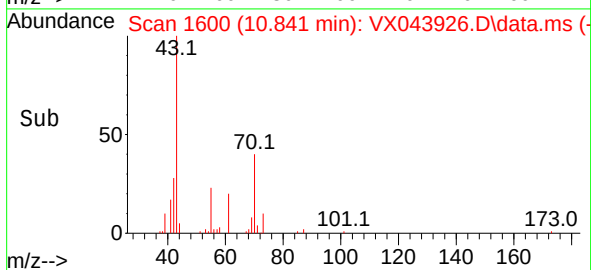
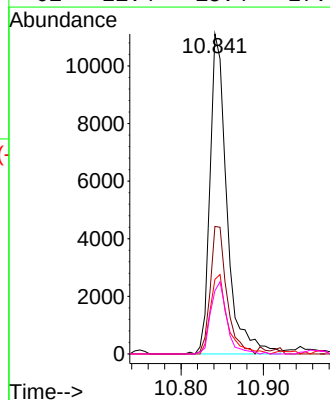
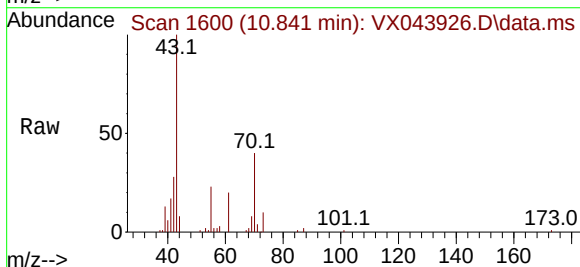
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Tgt Ion:105 Resp: 37958  
Ion Ratio Lower Upper  
105 100  
120 26.2 13.0 38.9

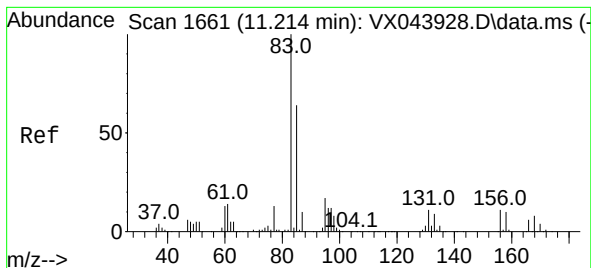


#74  
N-ethyl acetate  
Concen: 4.627 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 43 Resp: 15928  
Ion Ratio Lower Upper  
43 100  
70 38.5 32.2 48.2  
55 24.8 18.1 27.1  
61 21.4 18.4 27.6







#75

1,1,2,2-Tetrachloroethane

Concen: 5.152 ug/l

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

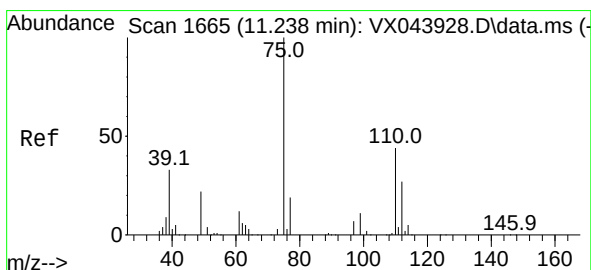
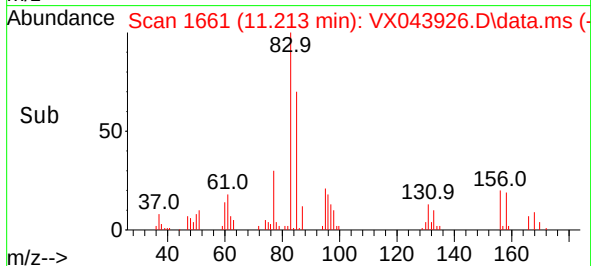
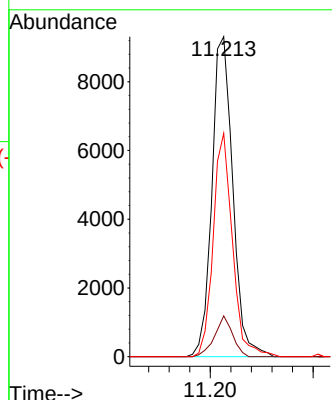
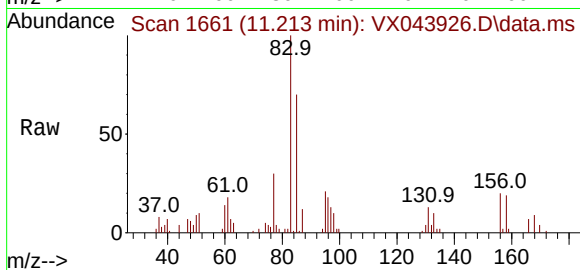
Tgt Ion: 83 Resp: 13107

Ion Ratio Lower Upper

83 100

131 11.0 5.1 15.2

85 64.3 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 7.062 ug/l

RT: 11.237 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043926.D

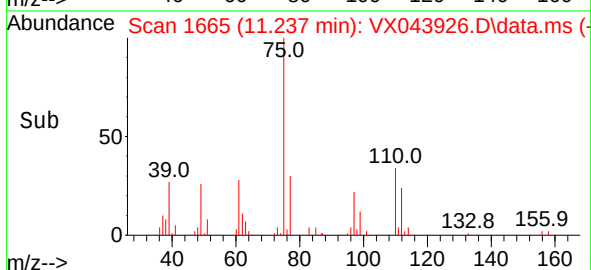
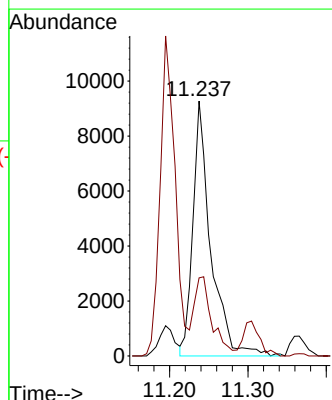
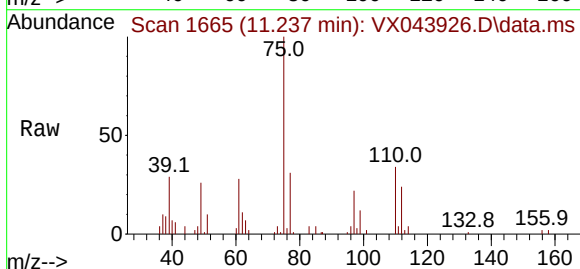
Acq: 21 Nov 2024 10:14

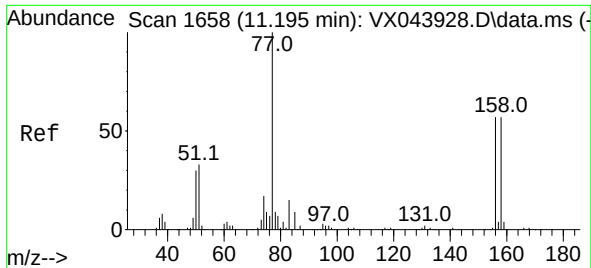
Tgt Ion: 75 Resp: 14721

Ion Ratio Lower Upper

75 100

77 30.5 21.8 65.3

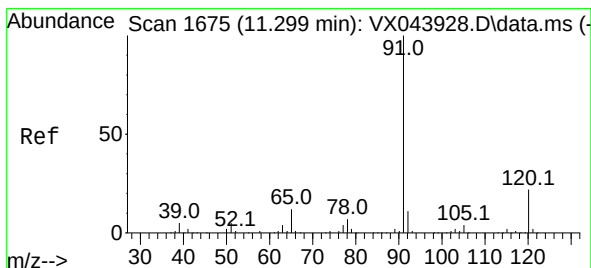
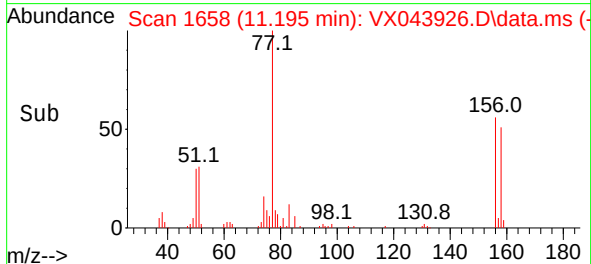
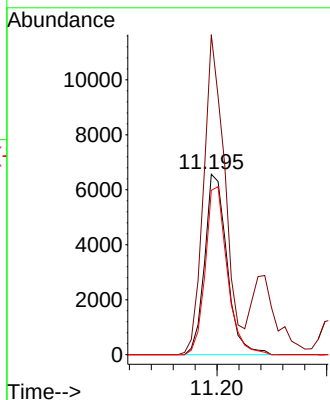
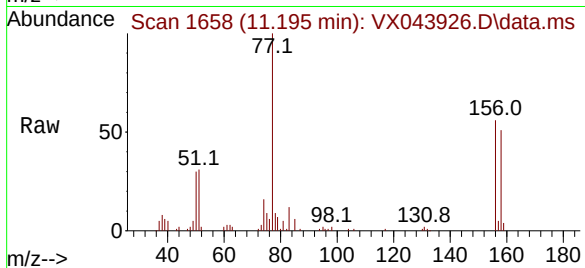




#77  
Bromobenzene  
Concen: 5.224 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

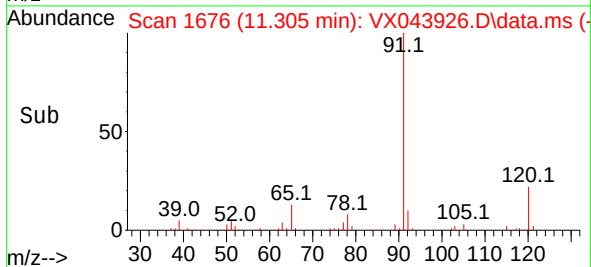
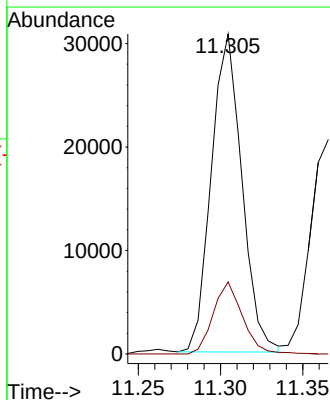
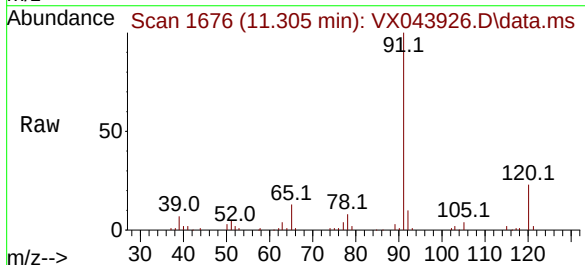
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

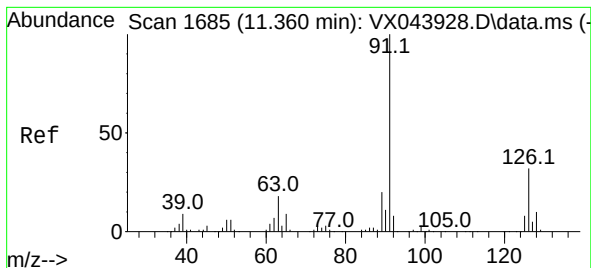
Tgt Ion:156 Resp: 9259  
Ion Ratio Lower Upper  
156 100  
77 169.5 83.4 250.1  
158 91.6 47.6 142.8



#78  
n-propylbenzene  
Concen: 4.793 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 39774  
Ion Ratio Lower Upper  
91 100  
120 21.7 11.5 34.4





#79

2-Chlorotoluene

Concen: 5.096 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

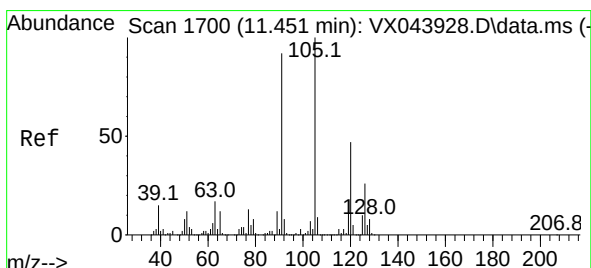
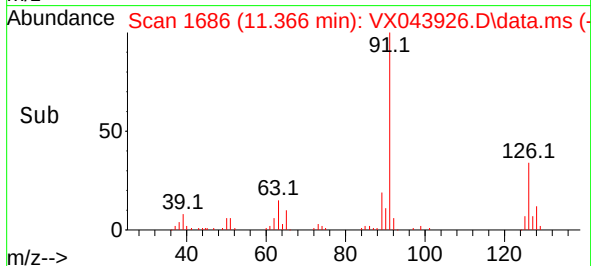
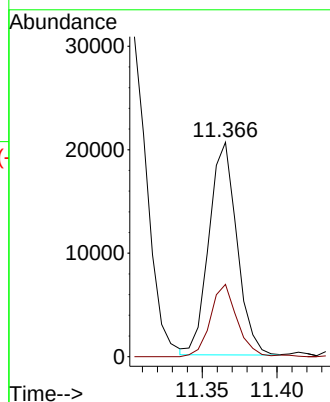
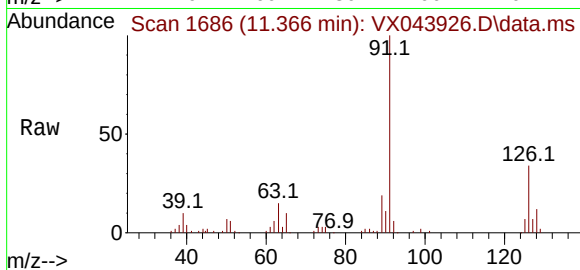
VSTDIC005

Tgt Ion: 91 Resp: 26740

Ion Ratio Lower Upper

91 100

126 32.7 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 4.926 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043926.D

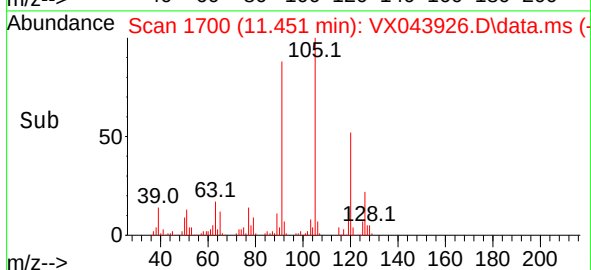
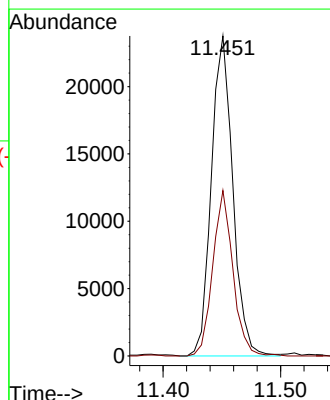
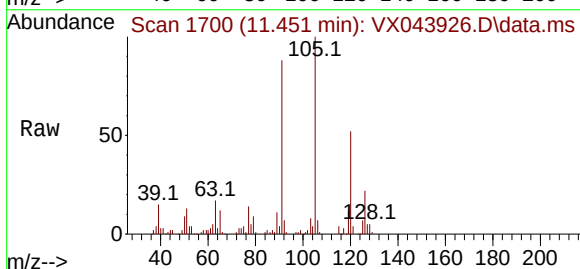
Acq: 21 Nov 2024 10:14

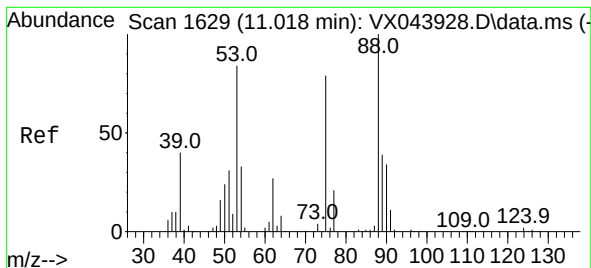
Tgt Ion: 105 Resp: 30114

Ion Ratio Lower Upper

105 100

120 48.6 23.3 69.8

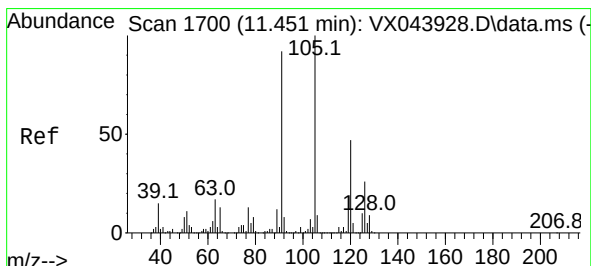
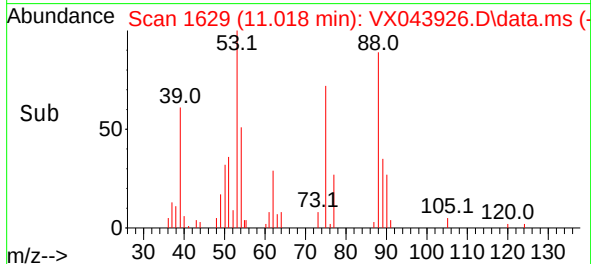
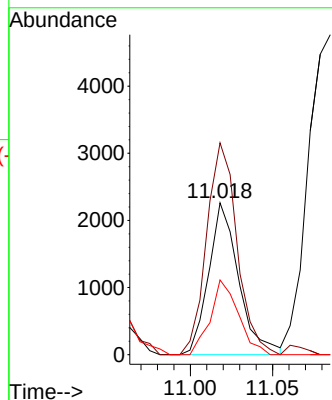
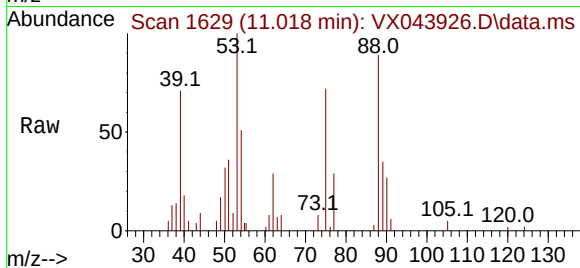




#81  
trans-1,4-Dichloro-2-butene  
Concen: 3.707 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

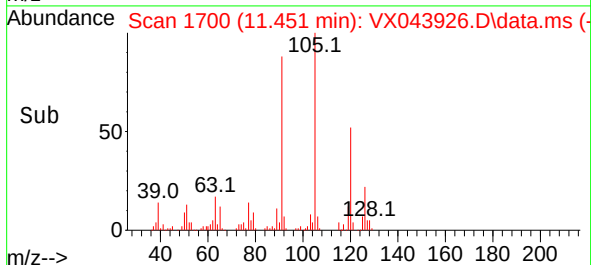
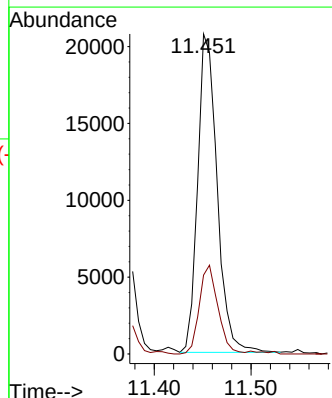
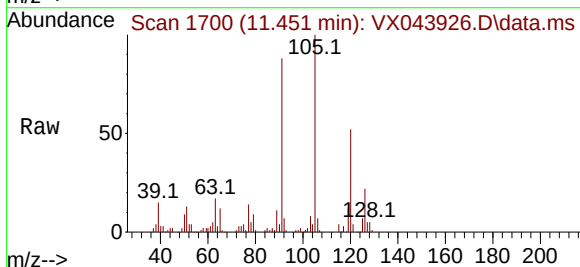
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC005

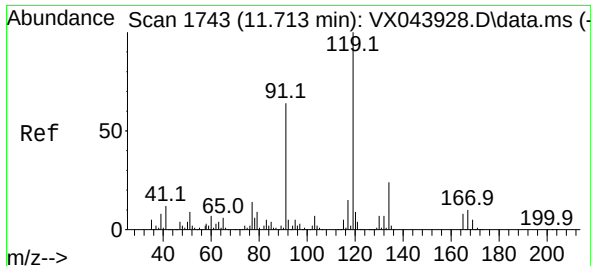
Tgt Ion: 75 Resp: 2880  
Ion Ratio Lower Upper  
75 100  
53 141.1 86.7 130.1#  
89 45.9 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 4.903 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 91 Resp: 29049  
Ion Ratio Lower Upper  
91 100  
126 26.7 14.3 42.9





#83

tert-Butylbenzene

Concen: 4.940 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

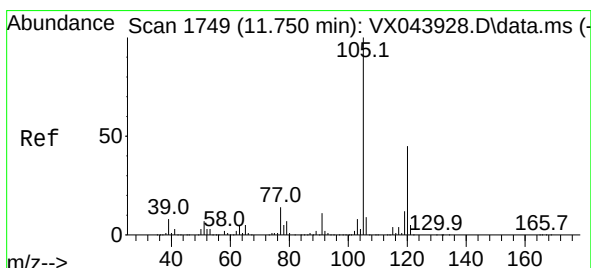
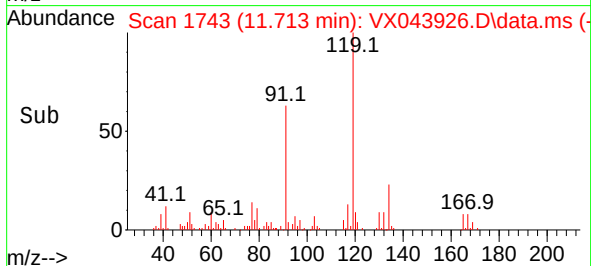
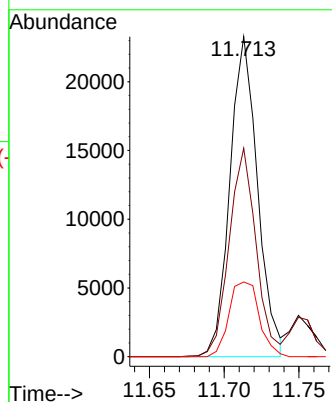
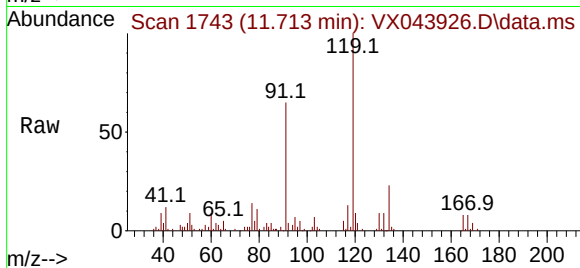
Tgt Ion:119 Resp: 29934

Ion Ratio Lower Upper

119 100

91 63.8 31.0 93.0

134 25.6 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 5.040 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043926.D

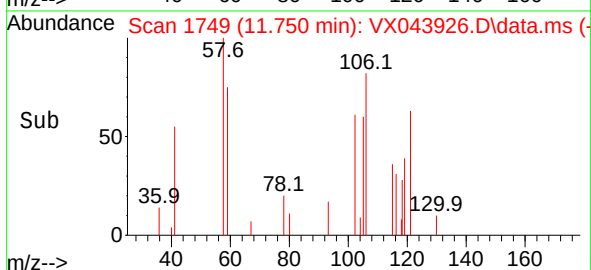
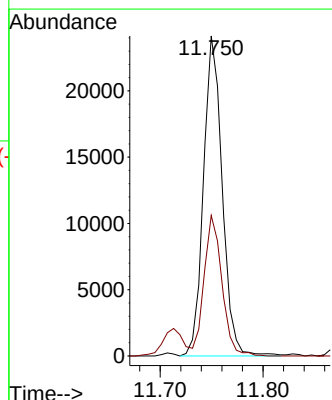
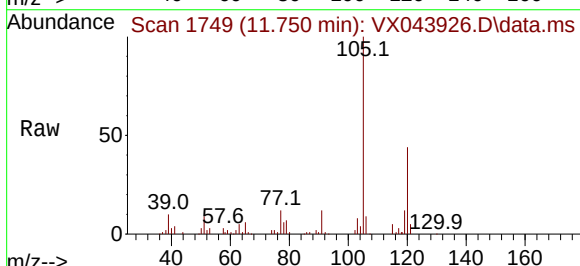
Acq: 21 Nov 2024 10:14

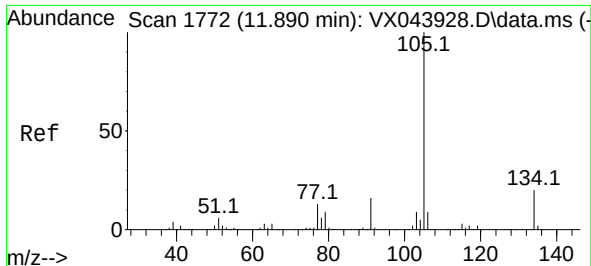
Tgt Ion:105 Resp: 30674

Ion Ratio Lower Upper

105 100

120 41.6 21.9 65.7





#85

sec-Butylbenzene

Concen: 5.105 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

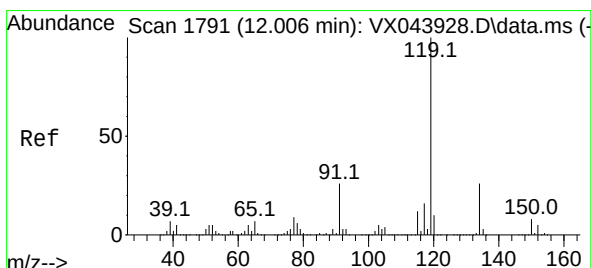
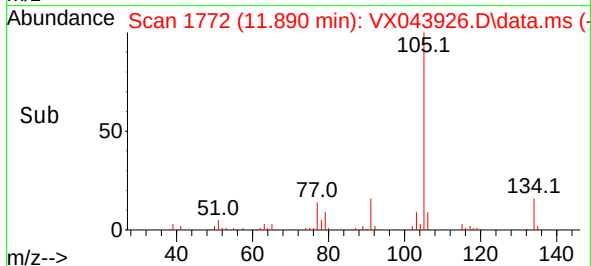
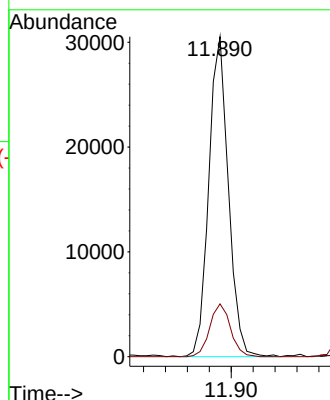
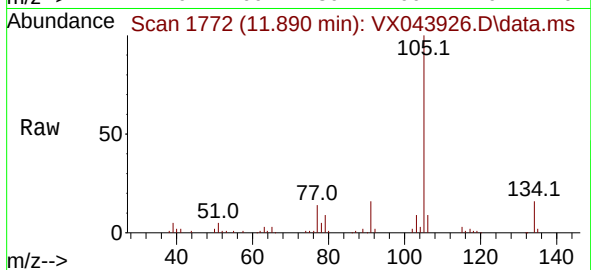
VSTDICC005

Tgt Ion:105 Resp: 37899

Ion Ratio Lower Upper

105 100

134 17.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 4.878 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

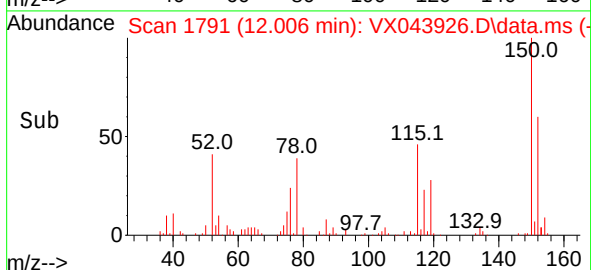
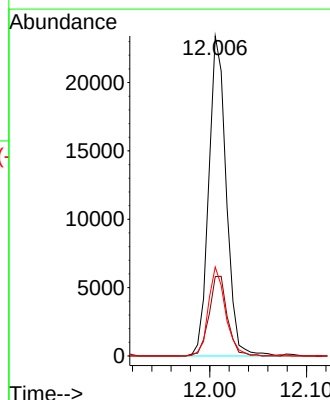
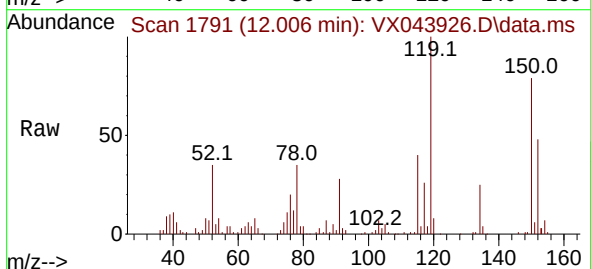
Tgt Ion:119 Resp: 29412

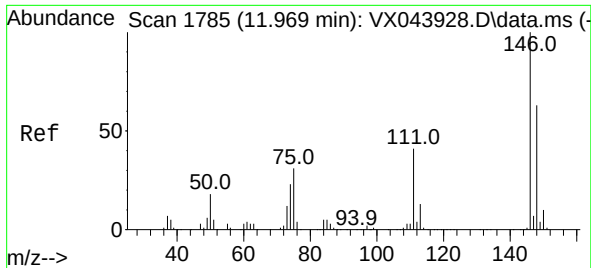
Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

91 27.3 13.0 38.9

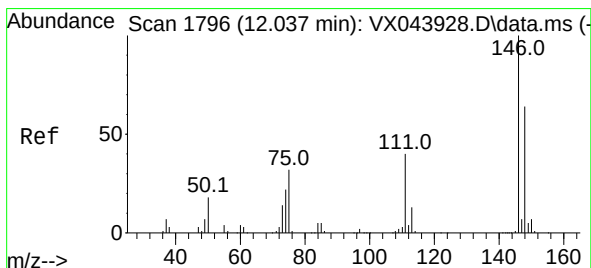
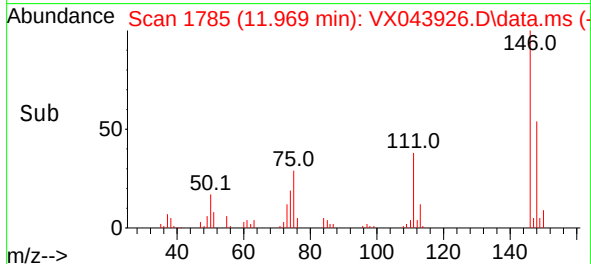
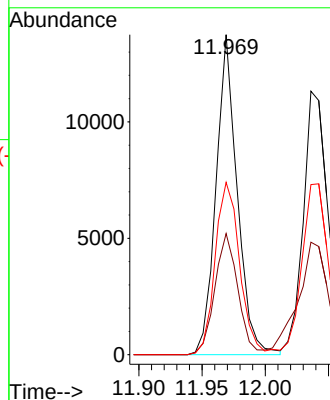
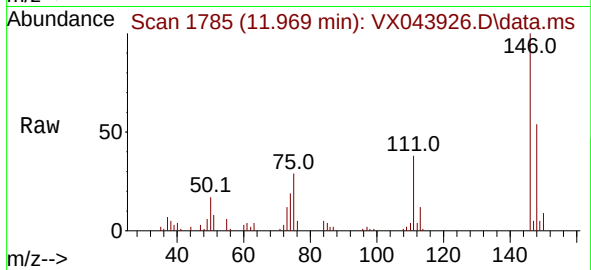




#87  
1,3-Dichlorobenzene  
Concen: 4.959 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

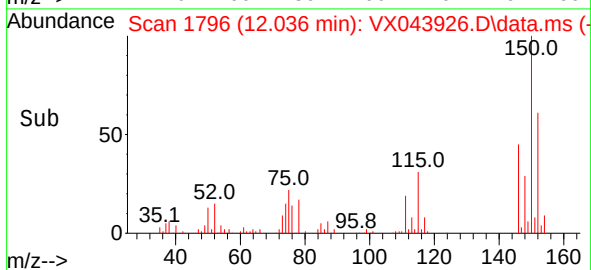
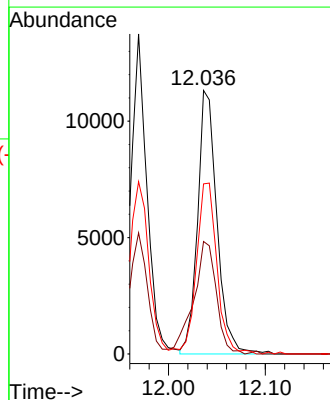
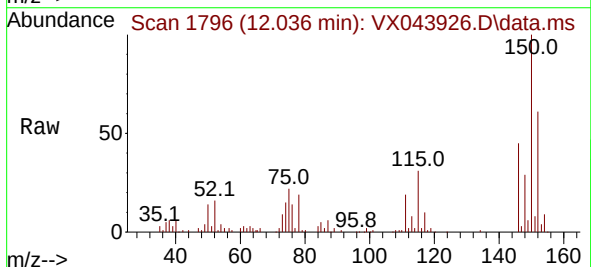
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

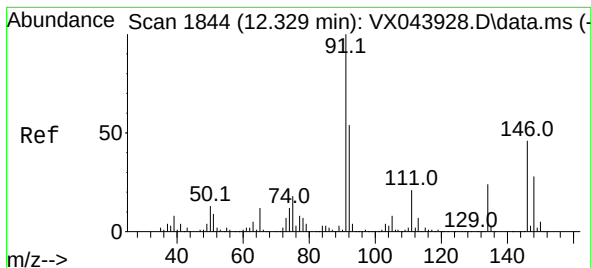
Tgt Ion:146 Resp: 16008  
Ion Ratio Lower Upper  
146 100  
111 41.4 21.1 63.3  
148 62.9 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 4.831 ug/l  
RT: 12.036 min Scan# 1796  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion:146 Resp: 15837  
Ion Ratio Lower Upper  
146 100  
111 50.2 20.1 60.3  
148 67.9 30.9 92.8





#89

n-Butylbenzene

Concen: 4.691 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

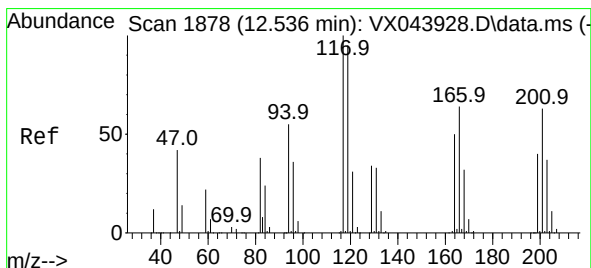
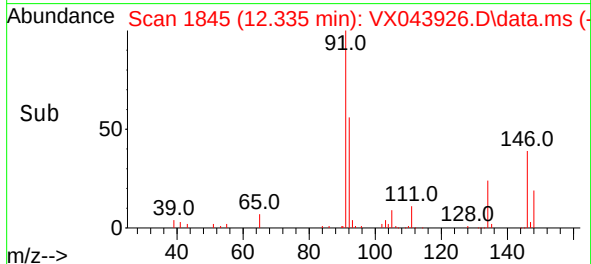
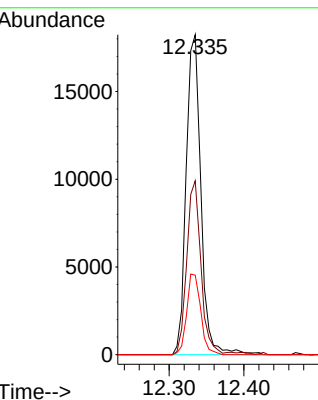
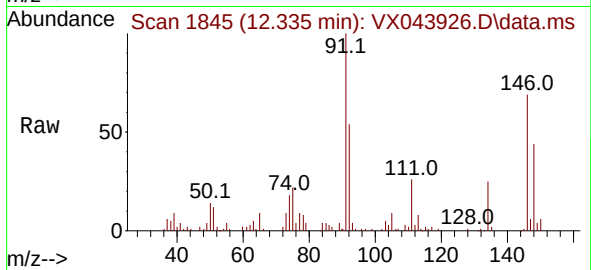
Tgt Ion: 91 Resp: 24938

Ion Ratio Lower Upper

91 100

92 52.4 26.6 79.8

134 23.9 12.4 37.2



#90

Hexachloroethane

Concen: 4.173 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043926.D

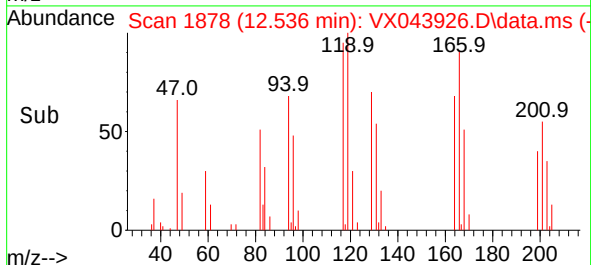
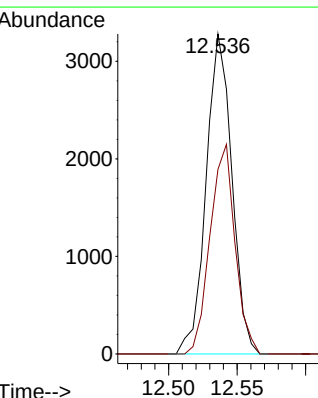
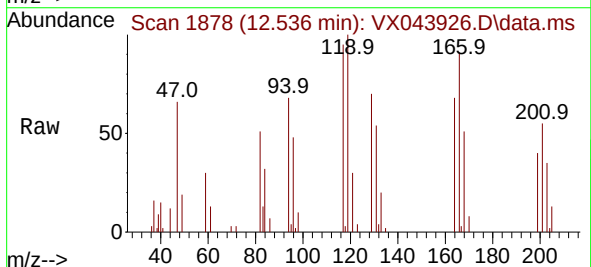
Acq: 21 Nov 2024 10:14

Tgt Ion:117 Resp: 4279

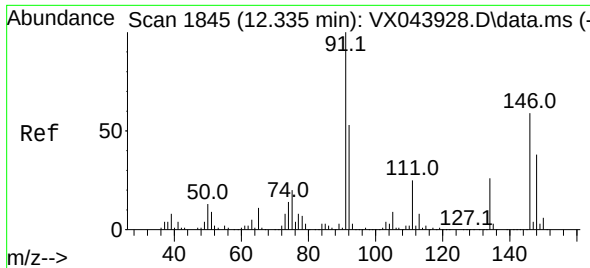
Ion Ratio Lower Upper

117 100

201 63.6 32.4 97.0



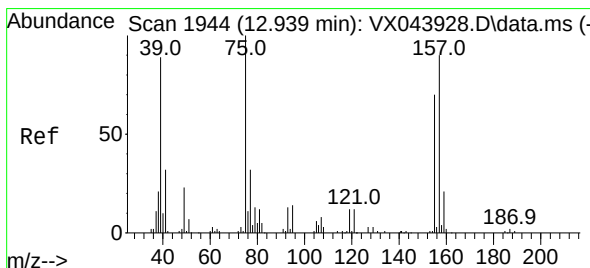
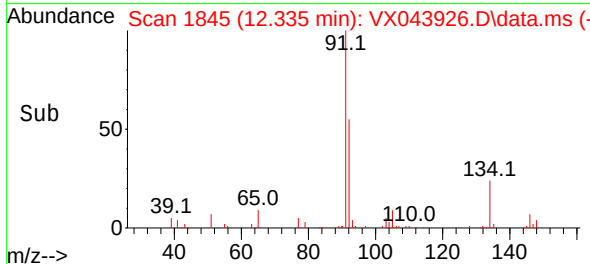
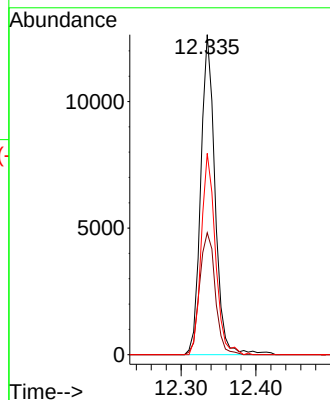
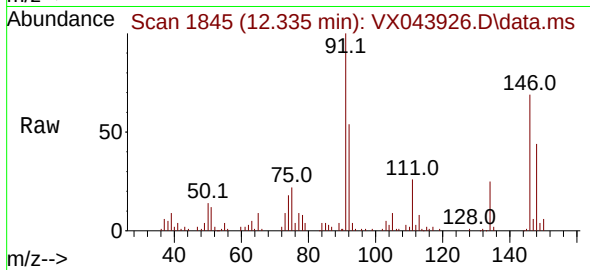




#91  
1,2-Dichlorobenzene  
Concen: 5.140 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

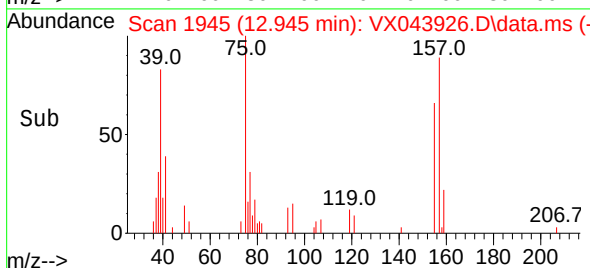
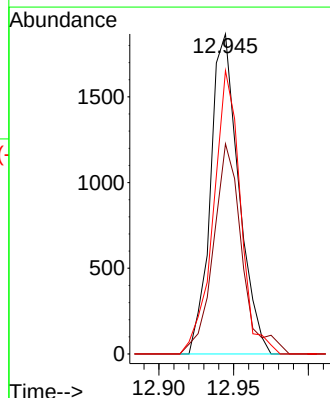
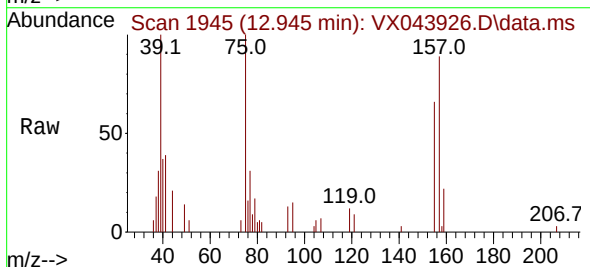
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

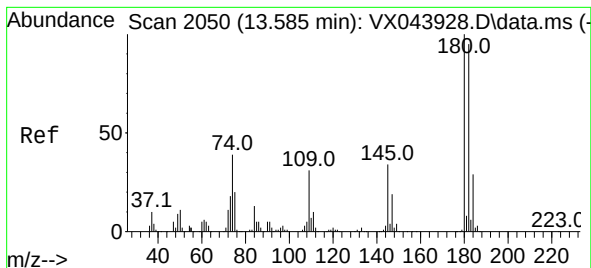
Tgt Ion:146 Resp: 16747  
Ion Ratio Lower Upper  
146 100  
111 41.5 21.5 64.5  
148 62.4 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 4.814 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX043926.D  
Acq: 21 Nov 2024 10:14

Tgt Ion: 75 Resp: 2454  
Ion Ratio Lower Upper  
75 100  
155 66.2 40.1 120.2  
157 84.5 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 4.553 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC005

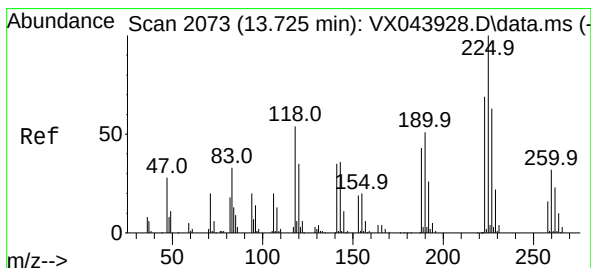
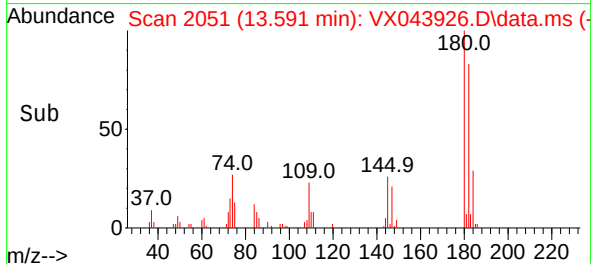
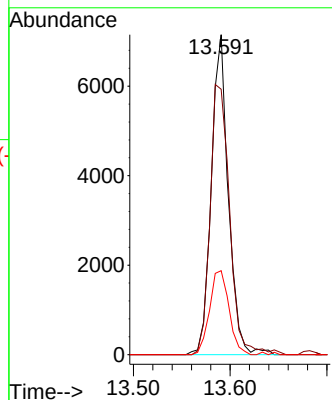
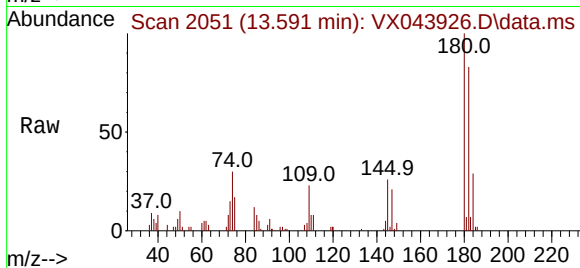
Tgt Ion:180 Resp: 8746

Ion Ratio Lower Upper

180 100

182 96.9 48.0 144.2

145 30.0 16.8 50.4



#94

Hexachlorobutadiene

Concen: 4.891 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

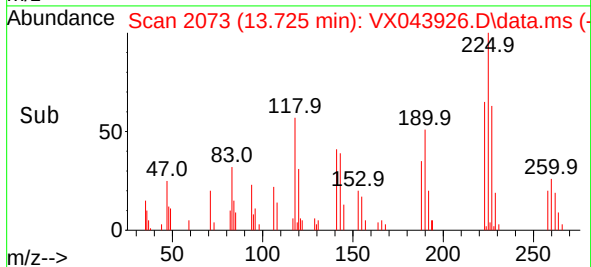
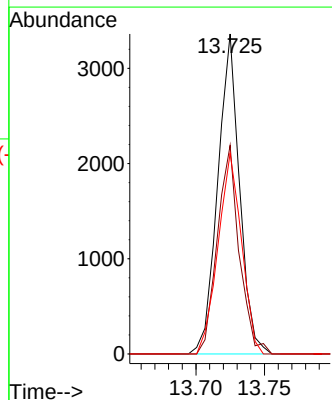
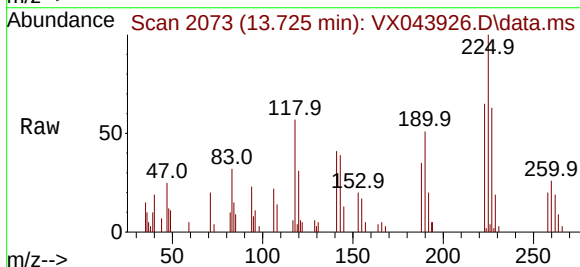
Tgt Ion:225 Resp: 3713

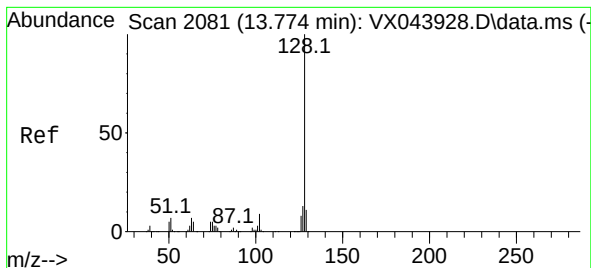
Ion Ratio Lower Upper

225 100

223 65.4 32.9 98.6

227 67.5 31.6 94.8





#95

Naphthalene

Concen: 4.698 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC005

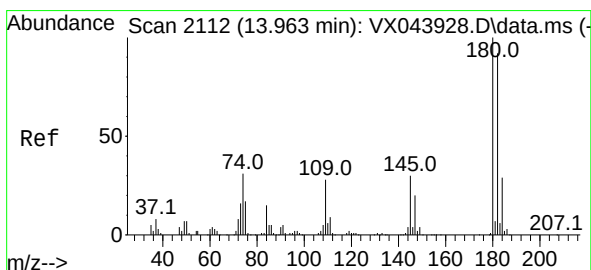
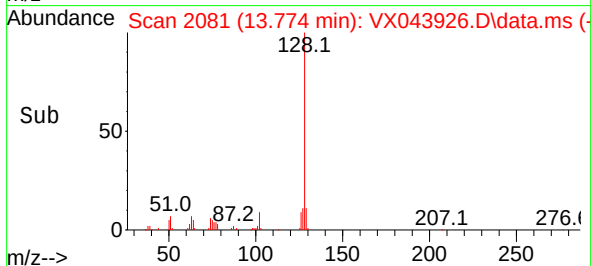
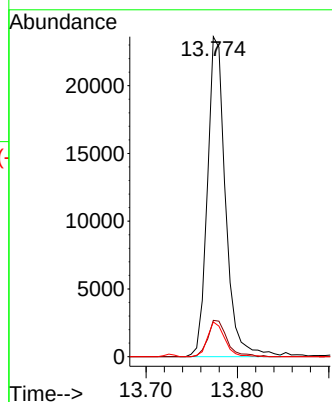
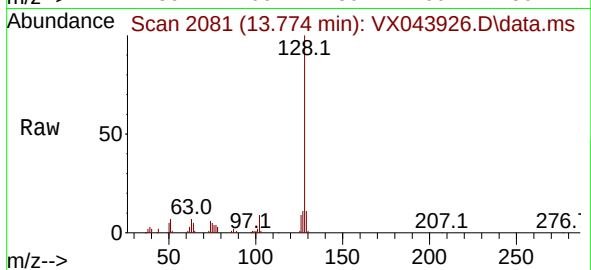
Tgt Ion:128 Resp: 32485

Ion Ratio Lower Upper

128 100

127 12.0 10.2 15.2

129 10.4 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 4.773 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043926.D

Acq: 21 Nov 2024 10:14

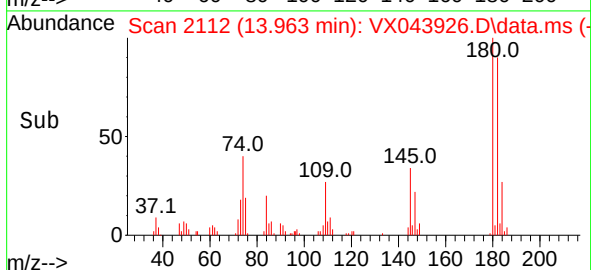
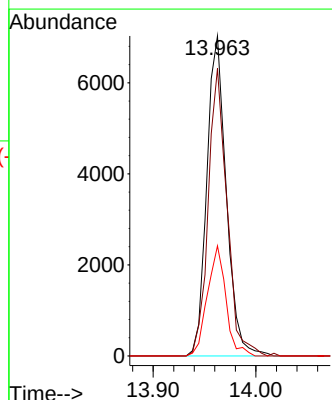
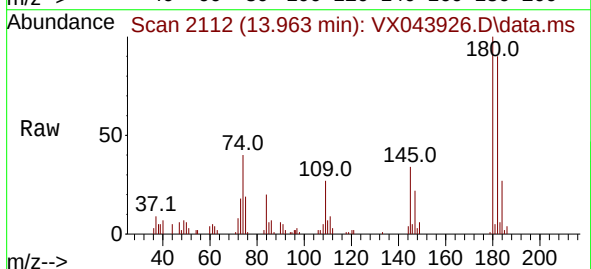
Tgt Ion:180 Resp: 9280

Ion Ratio Lower Upper

180 100

182 86.7 45.6 136.8

145 32.7 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043927.D  
 Acq On : 21 Nov 2024 10:37  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Quant Time: Nov 22 03:29:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 137617   | 50.000   | ug/l   | 0.01     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 247844   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 217871   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 98477    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 48239    | 20.437   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 40.880%# |
| 35) Dibromofluoromethane     | 5.385  | 113   | 35015    | 19.772   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 39.540%# |
| 50) Toluene-d8               | 8.647  | 98    | 122646   | 20.090   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 40.180%# |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 41087    | 19.776   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 39.560%# |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167  | 85    | 35268    | 20.230   | ug/l   | 99       |
| 3) Chloromethane             | 1.295  | 50    | 39622    | 21.597   | ug/l   | 93       |
| 4) Vinyl Chloride            | 1.374  | 62    | 40173    | 20.587   | ug/l   | 95       |
| 5) Bromomethane              | 1.593  | 94    | 24112    | 20.086   | ug/l   | 98       |
| 6) Chloroethane              | 1.666  | 64    | 22213    | 18.682   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.868  | 101   | 73464    | 21.058   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136  | 74    | 25875    | 20.349   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319  | 101   | 33284    | 20.001   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.441  | 142   | 43047    | 20.712   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.002  | 59    | 36554    | 96.484   | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.307  | 96    | 32180    | 20.293   | ug/l   | 96       |
| 13) Acrolein                 | 2.240  | 56    | 35249    | 88.269   | ug/l   | 98       |
| 14) Allyl chloride           | 2.660  | 41    | 53053    | 20.475   | ug/l   | 96       |
| 15) Acrylonitrile            | 3.069  | 53    | 94417    | 102.265  | ug/l   | 100      |
| 16) Acetone                  | 2.386  | 43    | 110373   | 101.811  | ug/l   | 95       |
| 17) Carbon Disulfide         | 2.502  | 76    | 59349    | 18.144   | ug/l   | 98       |
| 18) Methyl Acetate           | 2.709  | 43    | 50136    | 19.859   | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.117  | 73    | 121776   | 21.150   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.788  | 84    | 37633    | 20.456   | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 33545    | 20.489   | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.764  | 45    | 119475   | 21.564   | ug/l   | 96       |
| 23) Vinyl Acetate            | 3.721  | 43    | 504408   | 106.423  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.599  | 63    | 67233    | 21.034   | ug/l   | 99       |
| 25) 2-Butanone               | 4.568  | 43    | 148152   | 105.912  | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.471  | 77    | 58444    | 20.246   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 41866    | 20.688   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.891  | 49    | 26507    | 18.840   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.013  | 42    | 87736    | 102.308  | ug/l   | 100      |
| 30) Chloroform               | 5.087  | 83    | 72049    | 20.958   | ug/l   | 97       |
| 31) Cyclohexane              | 5.458  | 56    | 53731    | 20.425   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 62394    | 21.046   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684  | 75    | 44465    | 20.149   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715  | 43    | 54426    | 19.868   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 48701    | 19.640   | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.379  | 83    | 55958    | 19.518   | ug/l   | 95       |
| 40) Benzene                  | 6.025  | 78    | 144401   | 21.006   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043927.D  
 Acq On : 21 Nov 2024 10:37  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Quant Time: Nov 22 03:29:38 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 28938    | 20.639  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 57981    | 21.001  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.349  | 43   | 88577    | 20.318  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 36440    | 18.726  | ug/l   | 87       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 35791    | 21.258  | ug/l   | 95       |
| 46) Dibromomethane            | 7.580  | 93   | 27799    | 20.873  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 49665    | 20.792  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 41962    | 20.059  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 12071    | 334.681 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 278479   | 104.673 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 87569    | 21.284  | ug/l   | 97       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 50294    | 20.648  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 56407    | 21.124  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 37148    | 21.872  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 56585    | 21.390  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 61420    | 21.468  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 136842   | 93.712  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 213629   | 106.832 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 34133    | 20.030  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 36985    | 21.536  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 29274    | 20.377  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.080 | 112  | 96469    | 20.160  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 32353    | 20.848  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 166435   | 20.527  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 122658   | 40.565  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 60254    | 20.409  | ug/l   | 94       |
| 70) Styrene                   | 10.653 | 104  | 102329   | 20.956  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 19329    | 17.792  | ug/l # | 96       |
| 73) Isopropylbenzene          | 10.964 | 105  | 157405   | 20.794  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 73525    | 20.967  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 54158    | 20.894  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 58738    | 27.659  | ug/l   | 82       |
| 77) Bromobenzene              | 11.195 | 156  | 37631    | 20.839  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 176034   | 20.821  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 112986   | 21.134  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 132041   | 21.202  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 14743    | 18.629  | ug/l   | 93       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 125521   | 20.797  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 128636   | 20.839  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 132595   | 21.385  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 156312   | 20.668  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 130605   | 21.260  | ug/l   | 98       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 67003    | 20.372  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 67195    | 20.118  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 110491   | 20.399  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 19547    | 18.712  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 67852    | 20.443  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 9939     | 19.137  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 38866    | 19.862  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 14818    | 19.160  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 145678   | 20.681  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 41554    | 20.981  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043927.D  
Acq On : 21 Nov 2024 10:37  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Quant Time: Nov 22 03:29:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

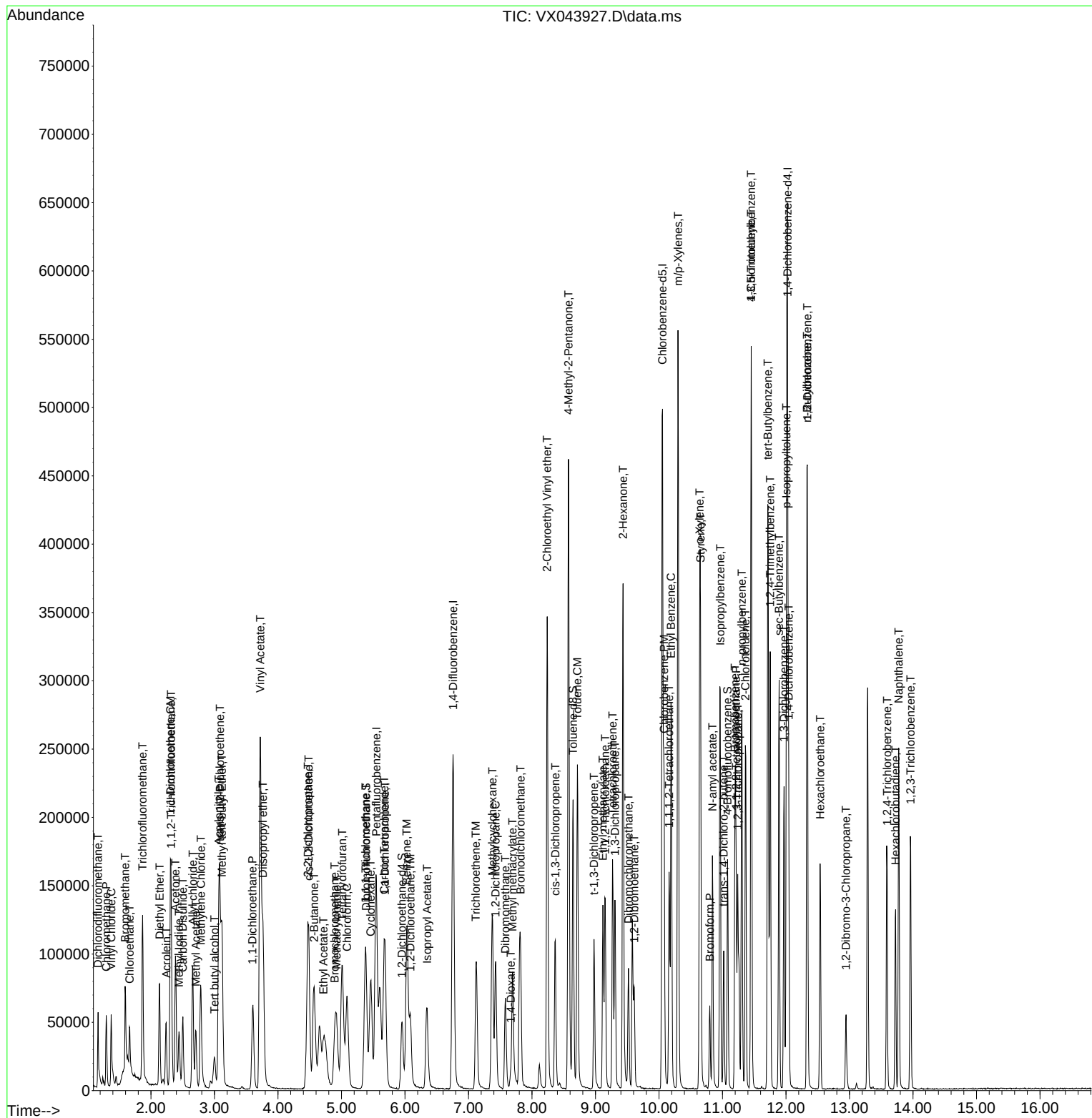
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

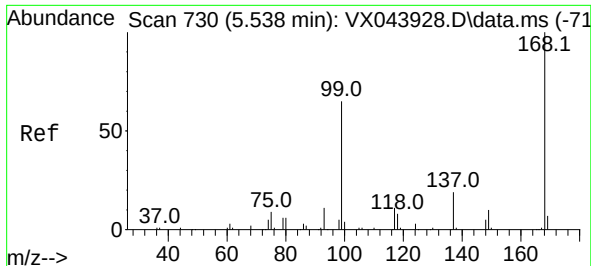
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043927.D  
Acq On : 21 Nov 2024 10:37  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Quant Time: Nov 22 03:29:38 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

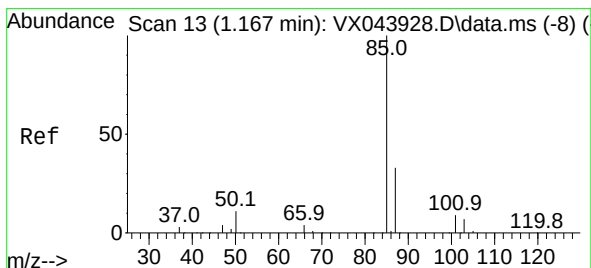
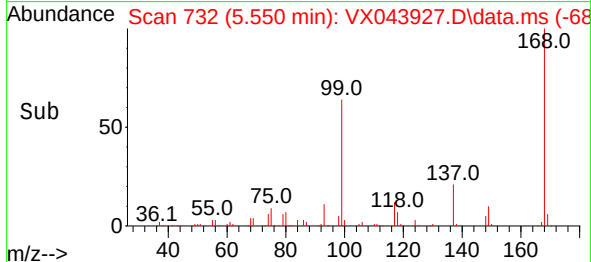
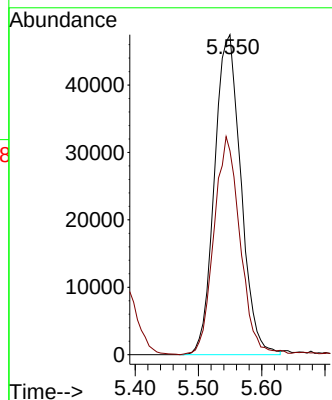
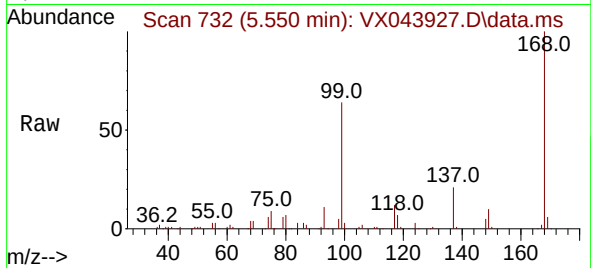




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 74  
Delta R.T. 0.012 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

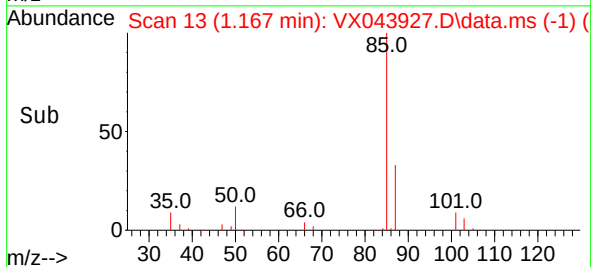
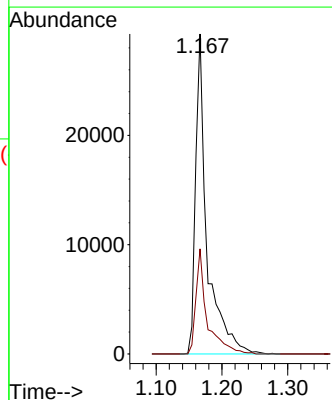
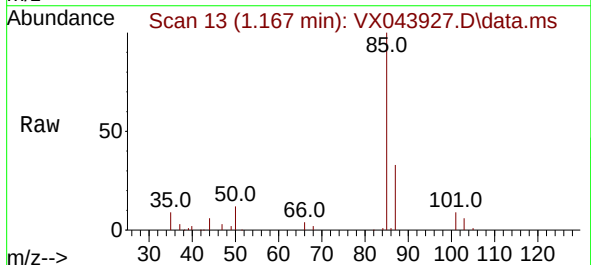
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tgt Ion:168 Resp: 137617  
Ion Ratio Lower Upper  
168 100  
99 63.7 51.8 77.8

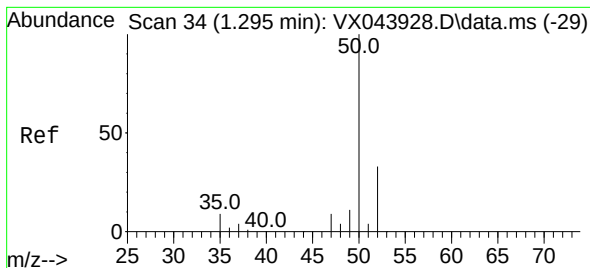


#2  
Dichlorodifluoromethane  
Concen: 20.230 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 85 Resp: 35268  
Ion Ratio Lower Upper  
85 100  
87 32.8 16.6 49.8







#3

Chloromethane

Concen: 21.597 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

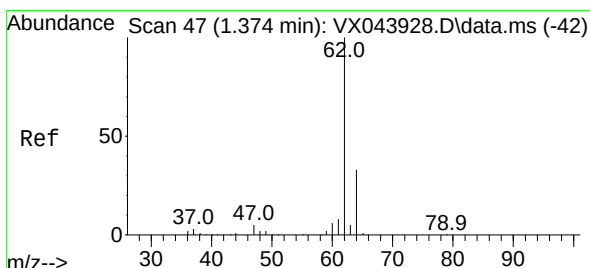
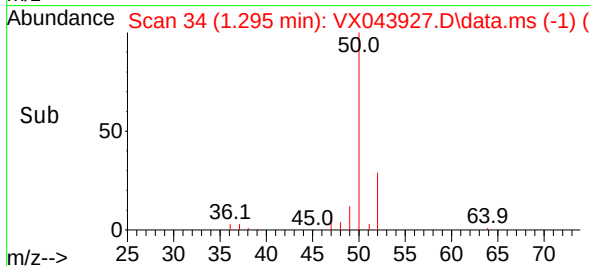
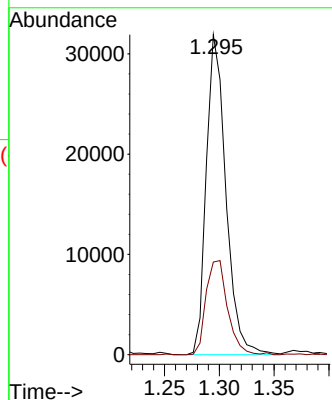
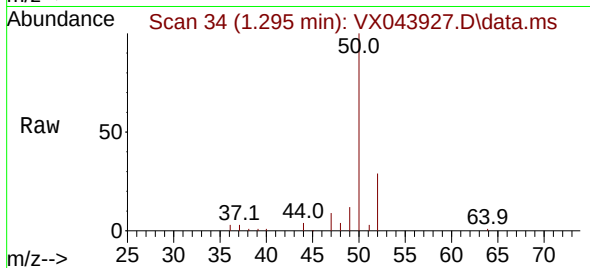
VSTDICC020

Tgt Ion: 50 Resp: 39622

Ion Ratio Lower Upper

50 100

52 28.9 26.1 39.1



#4

Vinyl Chloride

Concen: 20.587 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043927.D

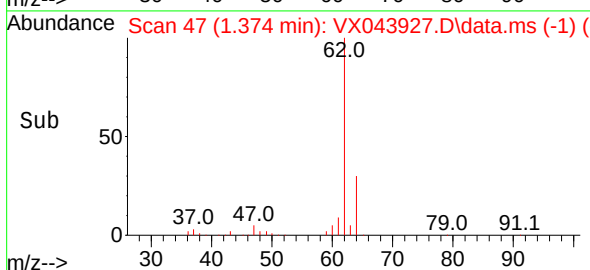
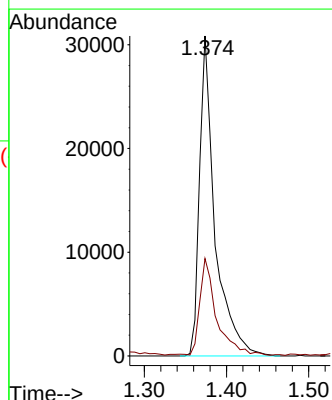
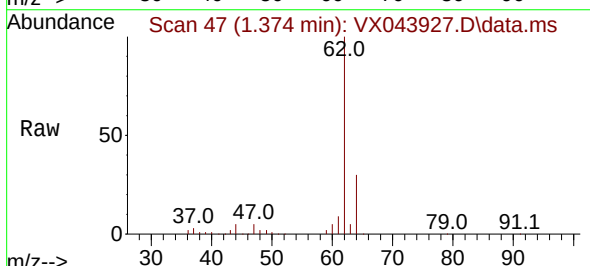
Acq: 21 Nov 2024 10:37

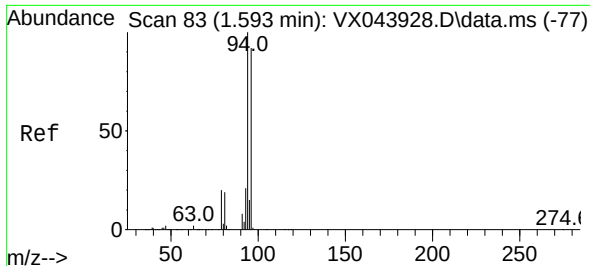
Tgt Ion: 62 Resp: 40173

Ion Ratio Lower Upper

62 100

64 30.0 26.2 39.4

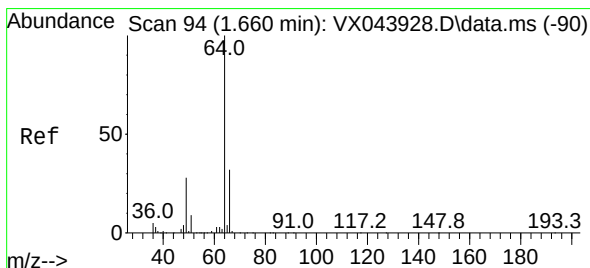
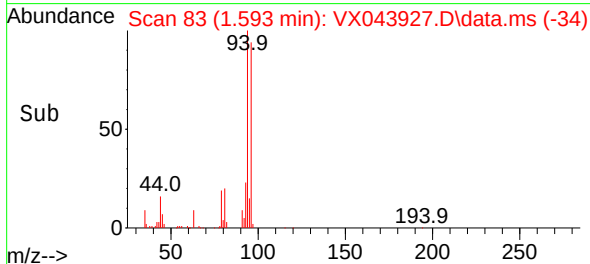
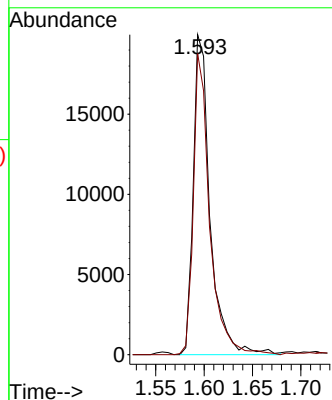
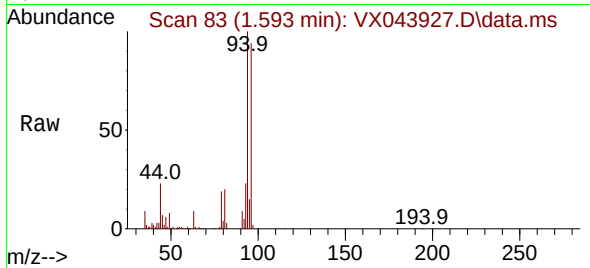




#5  
Bromomethane  
Concen: 20.086 ug/l  
RT: 1.593 min Scan# 84  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

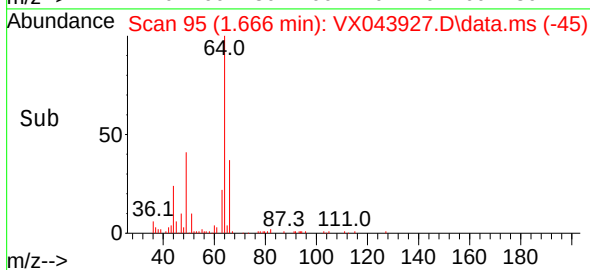
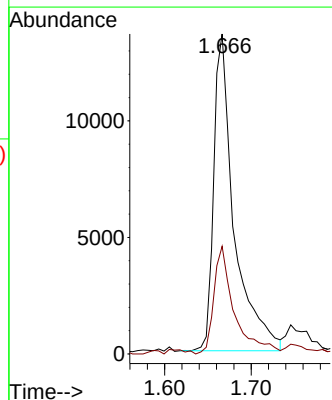
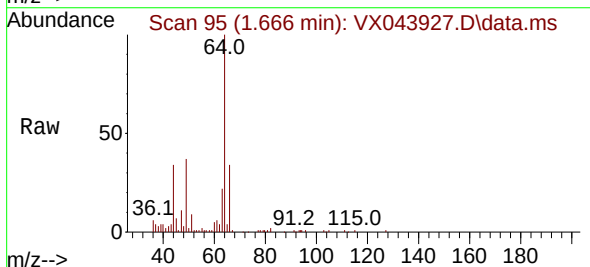
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

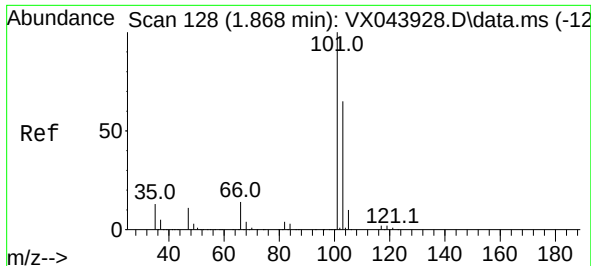
Tgt Ion: 94 Resp: 24112  
Ion Ratio Lower Upper  
94 100  
96 94.1 73.9 110.9



#6  
Chloroethane  
Concen: 18.682 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 64 Resp: 22213  
Ion Ratio Lower Upper  
64 100  
66 32.9 25.9 38.9

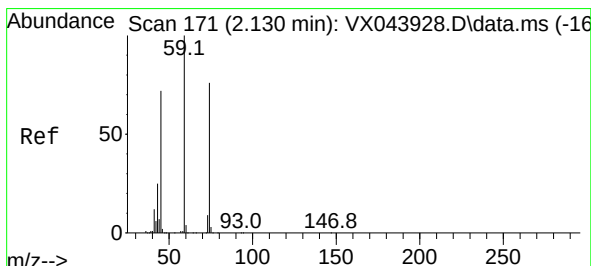
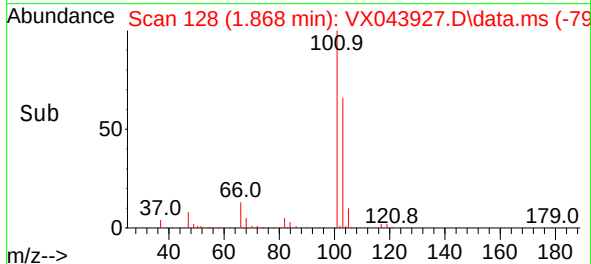
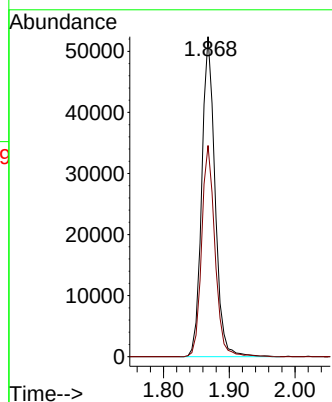
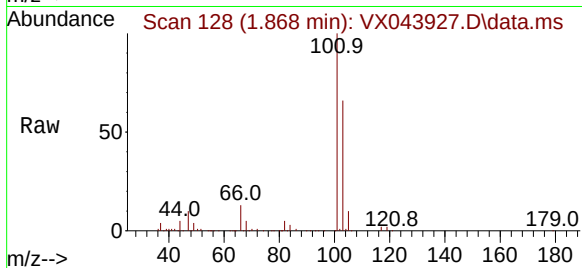




#7  
 Trichlorofluoromethane  
 Concen: 21.058 ug/l  
 RT: 1.868 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX043927.D  
 Acq: 21 Nov 2024 10:37

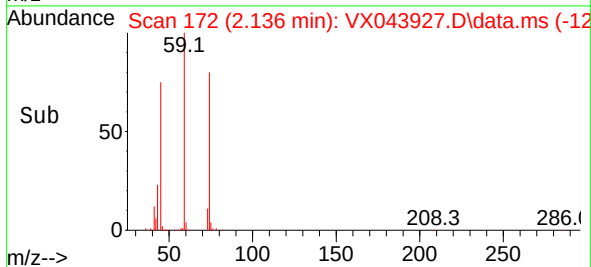
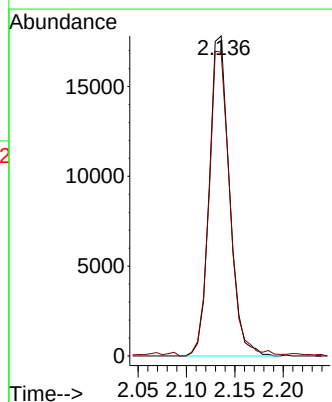
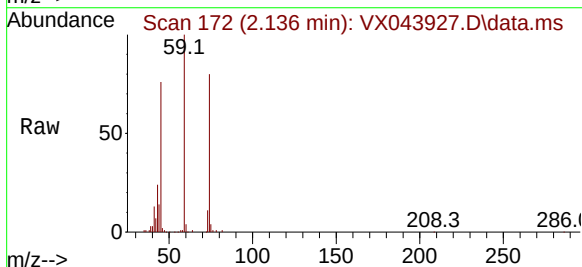
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

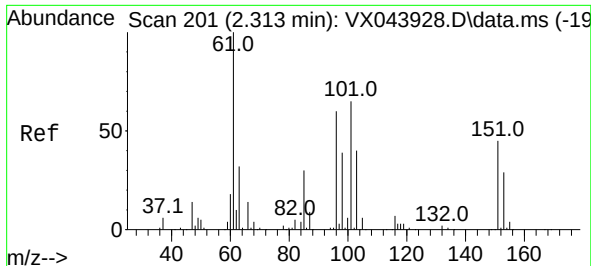
Tgt Ion:101 Resp: 73464  
 Ion Ratio Lower Upper  
 101 100  
 103 66.0 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 20.349 ug/l  
 RT: 2.136 min Scan# 172  
 Delta R.T. 0.006 min  
 Lab File: VX043927.D  
 Acq: 21 Nov 2024 10:37

Tgt Ion: 74 Resp: 25875  
 Ion Ratio Lower Upper  
 74 100  
 45 98.4 47.9 143.6

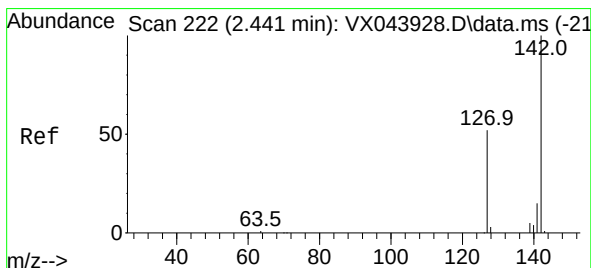
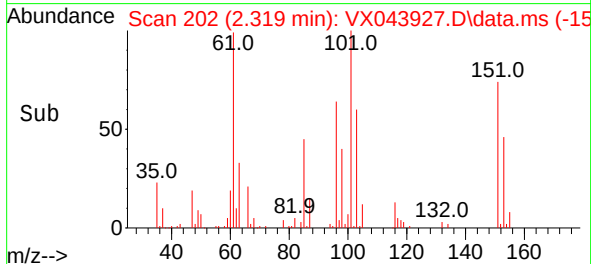
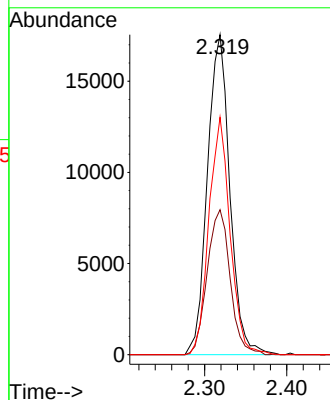
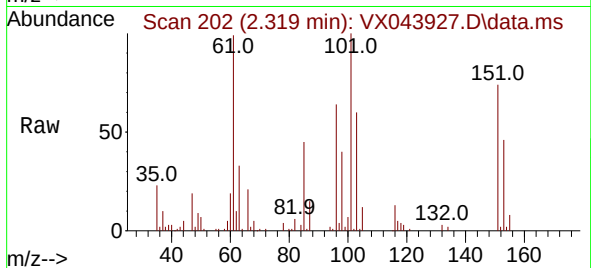




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.001 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

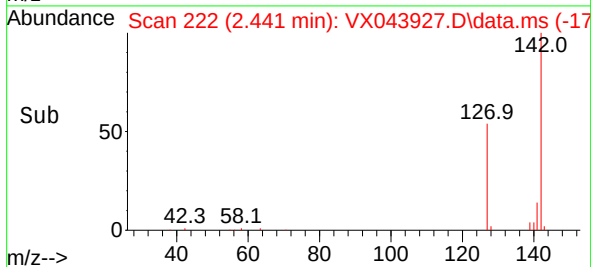
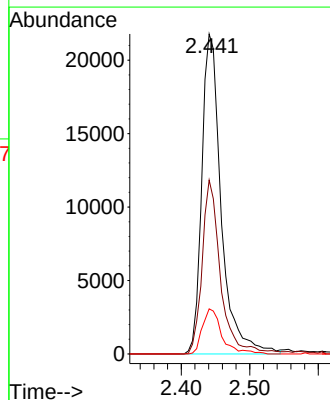
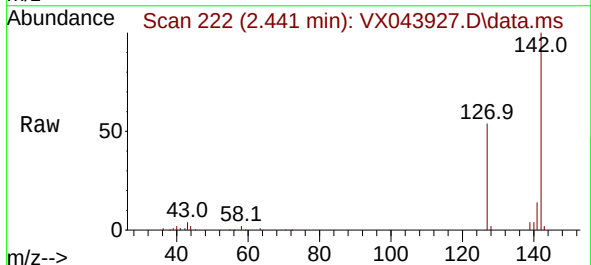
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

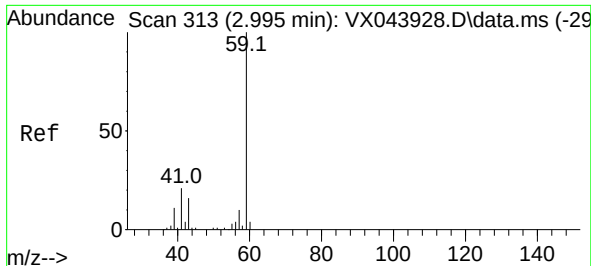
Tgt Ion:101 Resp: 33284  
Ion Ratio Lower Upper  
101 100  
85 46.3 37.9 56.9  
151 70.1 57.5 86.3



#10  
Methyl Iodide  
Concen: 20.712 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion:142 Resp: 43047  
Ion Ratio Lower Upper  
142 100  
127 51.8 40.7 61.1  
141 14.2 12.0 18.0





#11

Tert butyl alcohol

Concen: 96.484 ug/l

RT: 3.002 min Scan# 313

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

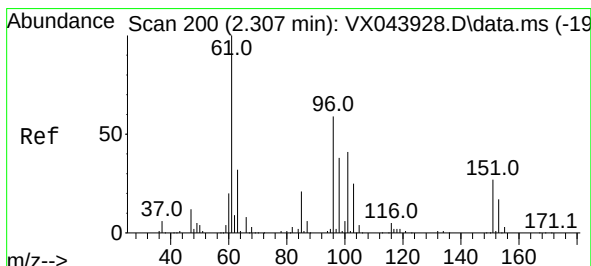
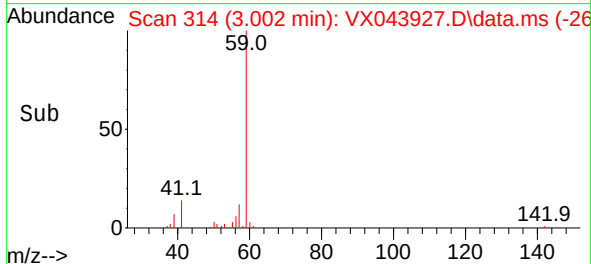
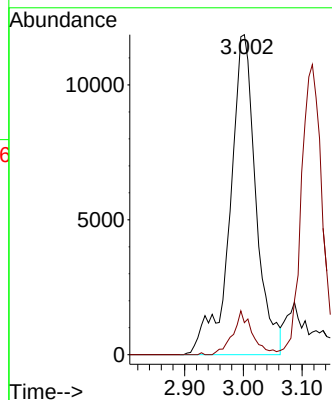
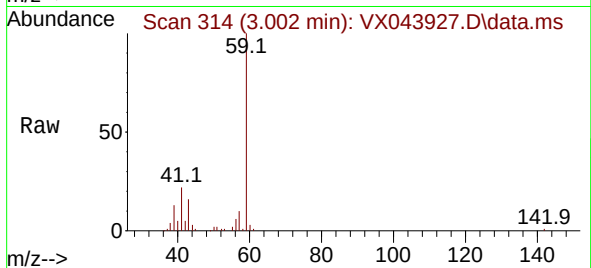
VSTDIC020

Tgt Ion: 59 Resp: 36554

Ion Ratio Lower Upper

59 100

57 10.3 7.9 11.9



#12

1,1-Dichloroethene

Concen: 20.293 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

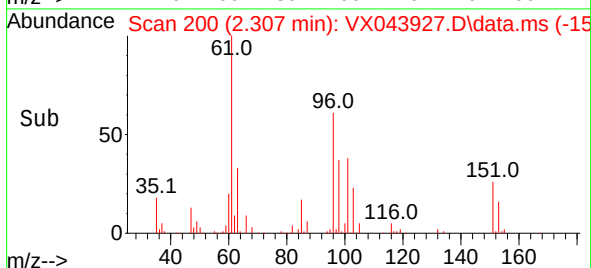
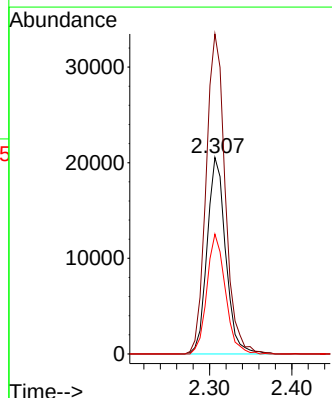
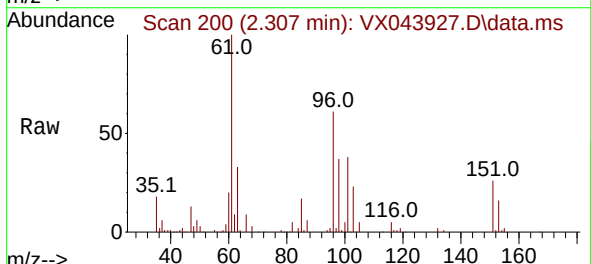
Tgt Ion: 96 Resp: 32180

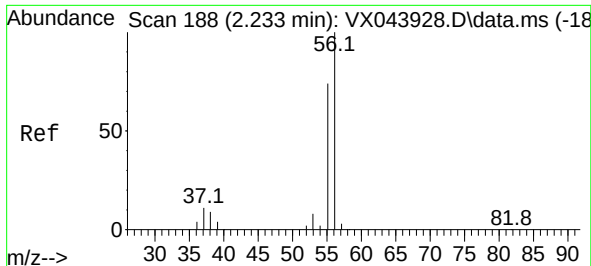
Ion Ratio Lower Upper

96 100

61 162.9 135.5 203.3

98 61.0 50.8 76.2





#13

Acrolein

Concen: 88.269 ug/l

RT: 2.240 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

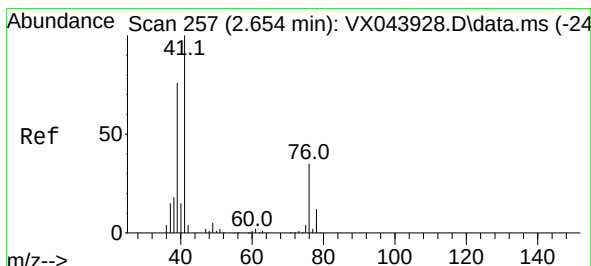
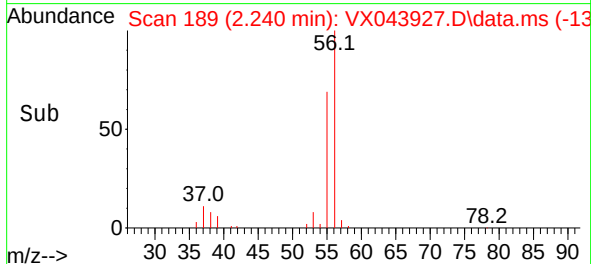
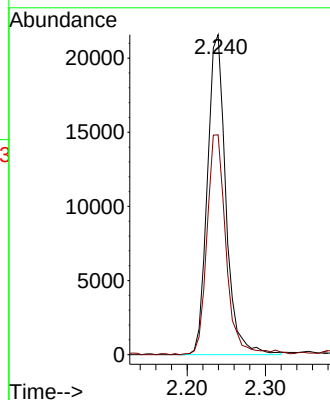
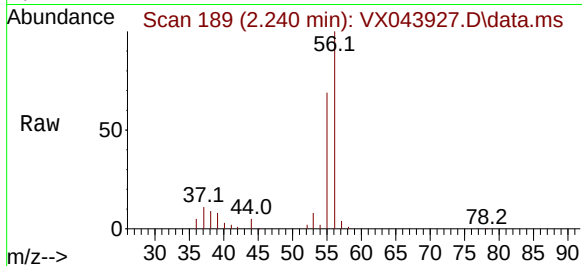
VSTDICC020

Tgt Ion: 56 Resp: 35249

Ion Ratio Lower Upper

56 100

55 71.2 58.2 87.2



#14

Allyl chloride

Concen: 20.475 ug/l

RT: 2.660 min Scan# 258

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

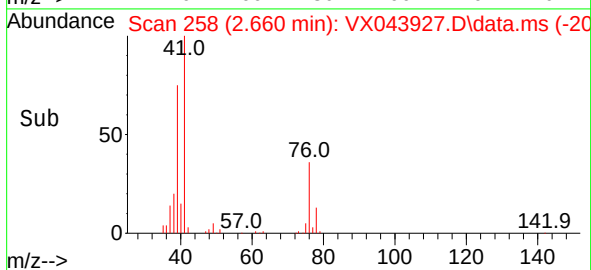
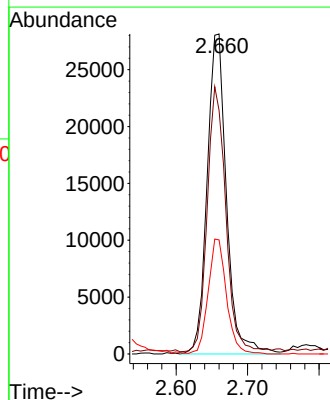
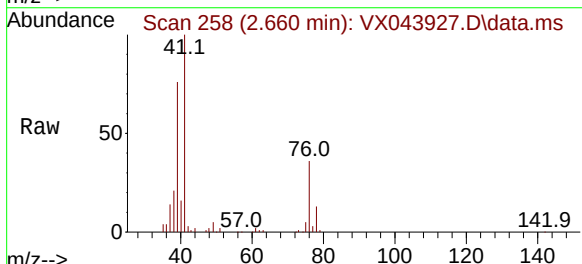
Tgt Ion: 41 Resp: 53053

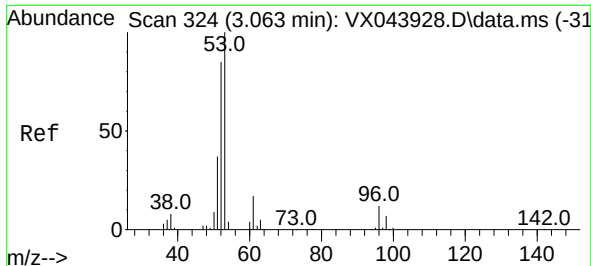
Ion Ratio Lower Upper

41 100

39 78.7 59.5 89.3

76 33.9 27.4 41.2

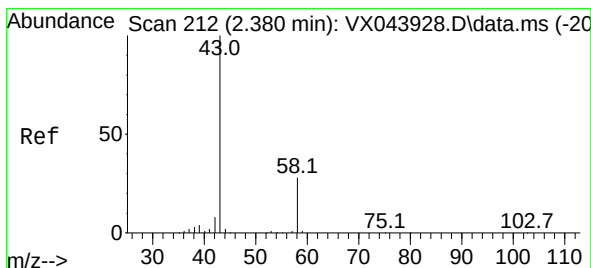
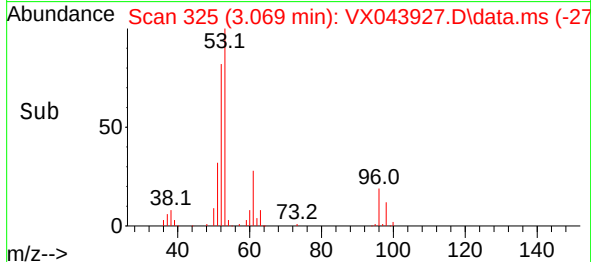
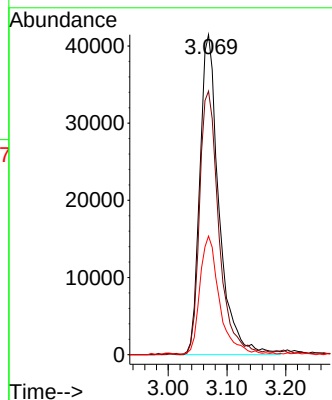
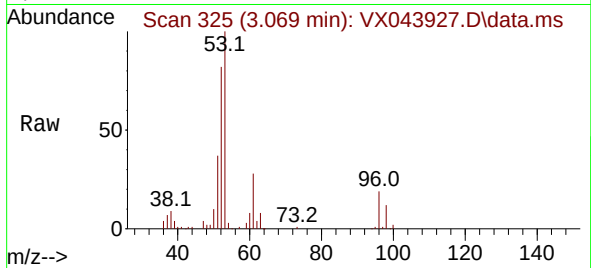




#15  
Acrylonitrile  
Concen: 102.265 ug/l  
RT: 3.069 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

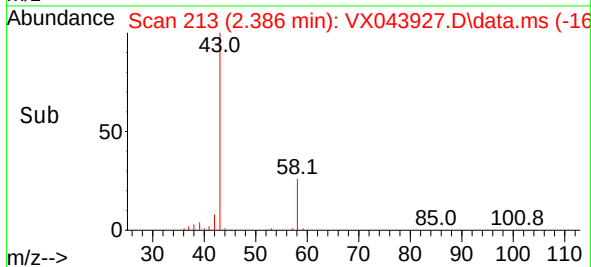
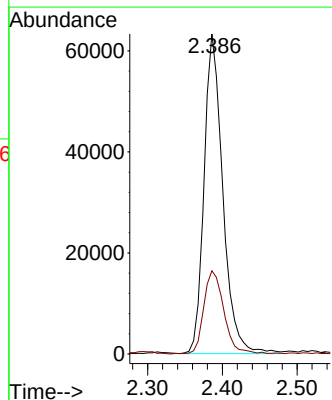
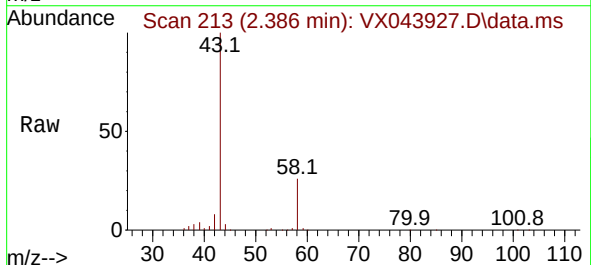
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

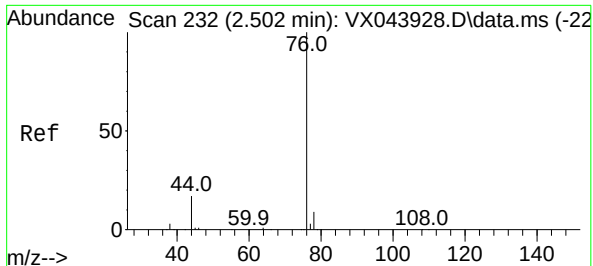
Tgt Ion: 53 Resp: 94417  
Ion Ratio Lower Upper  
53 100  
52 83.1 66.5 99.7  
51 37.1 30.2 45.4



#16  
Acetone  
Concen: 101.811 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 110373  
Ion Ratio Lower Upper  
43 100  
58 25.9 22.7 34.1

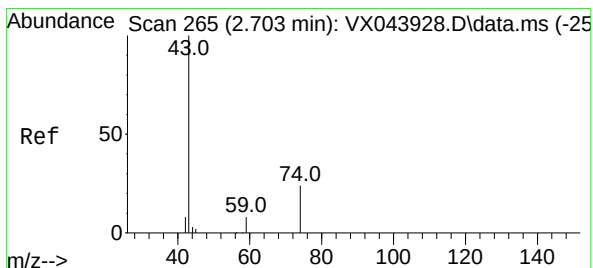
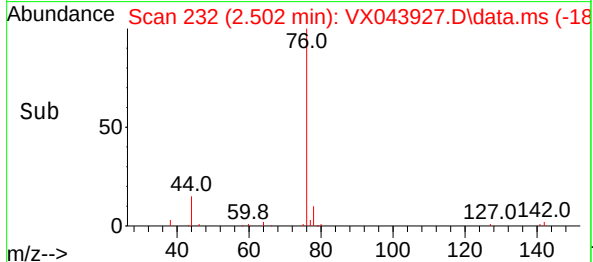
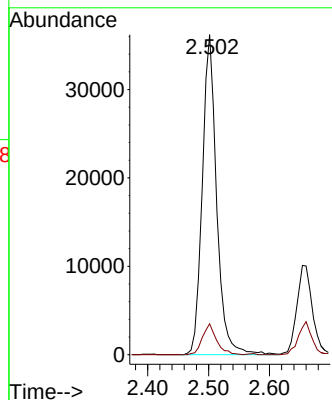
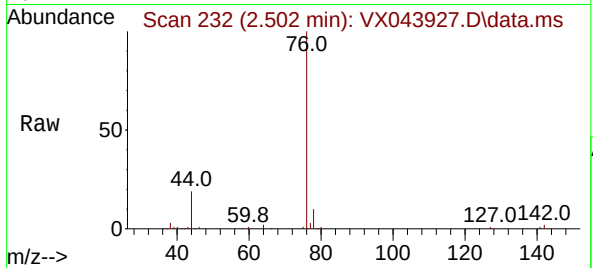




#17  
Carbon Disulfide  
Concen: 18.144 ug/l  
RT: 2.502 min Scan# 241  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

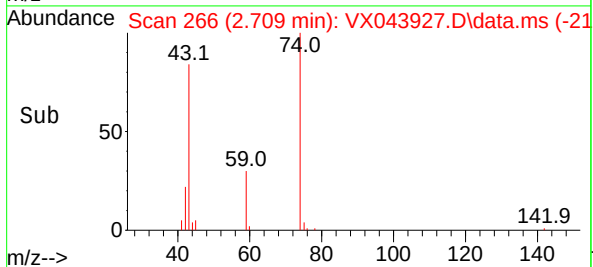
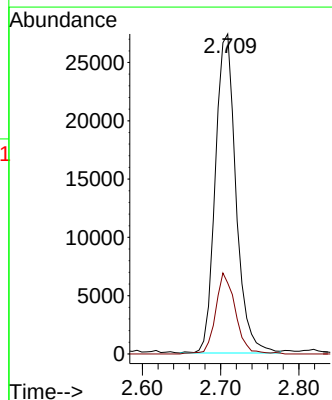
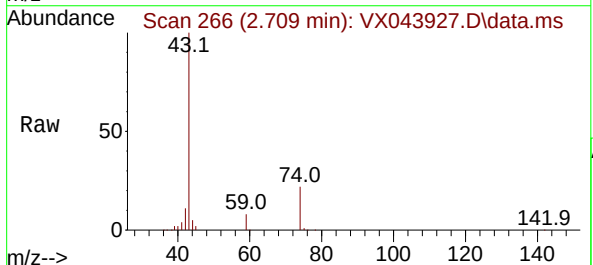
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion: 76 Resp: 59349  
Ion Ratio Lower Upper  
76 100  
78 9.7 7.0 10.6

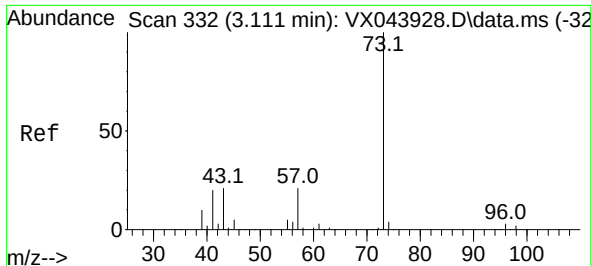


#18  
Methyl Acetate  
Concen: 19.859 ug/l  
RT: 2.709 min Scan# 266  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 50136  
Ion Ratio Lower Upper  
43 100  
74 24.4 18.9 28.3







#19

Methyl tert-butyl Ether

Concen: 21.150 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

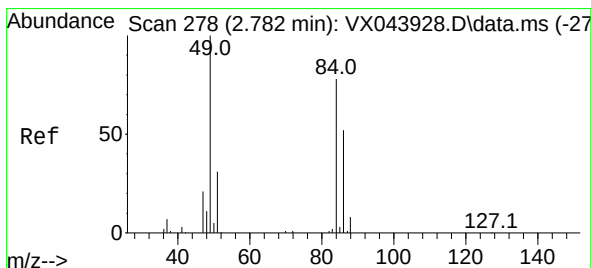
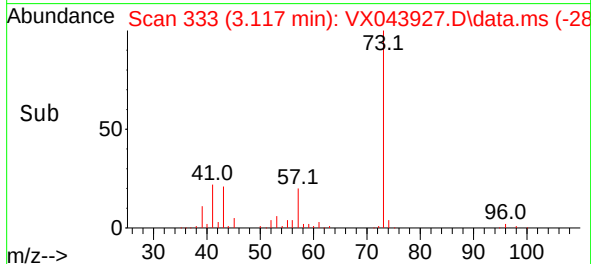
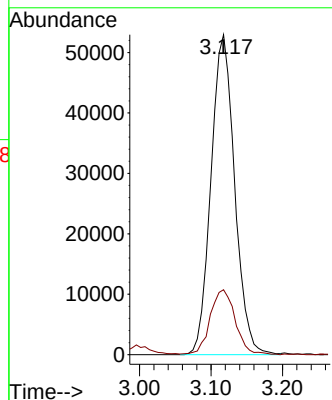
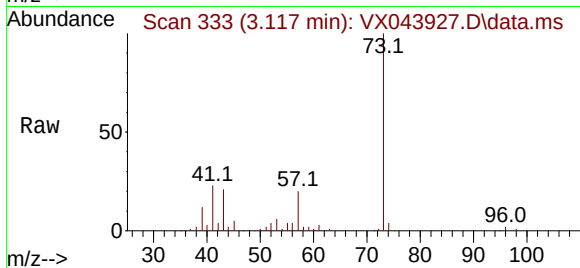
VSTDIC020

Tgt Ion: 73 Resp: 121776

Ion Ratio Lower Upper

73 100

57 20.3 17.0 25.6



#20

Methylene Chloride

Concen: 20.456 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 84 Resp: 37633

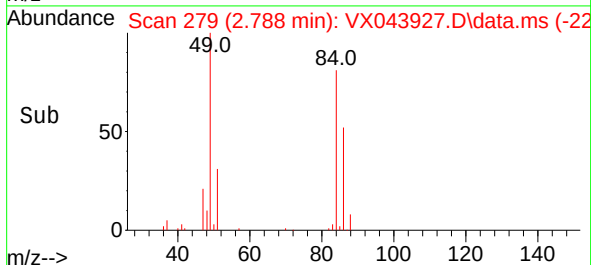
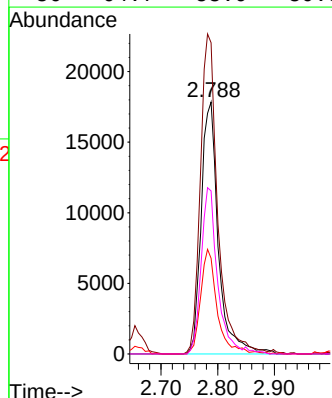
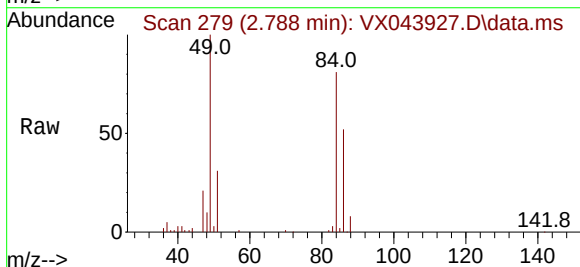
Ion Ratio Lower Upper

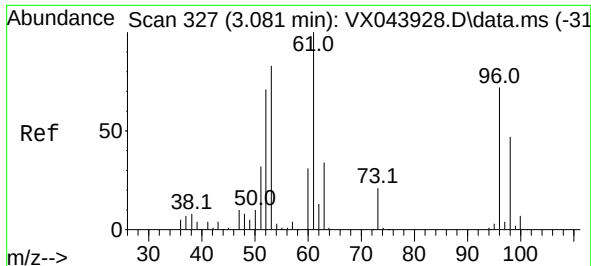
84 100

49 123.5 102.7 154.1

51 38.0 31.7 47.5

86 64.7 53.9 80.9

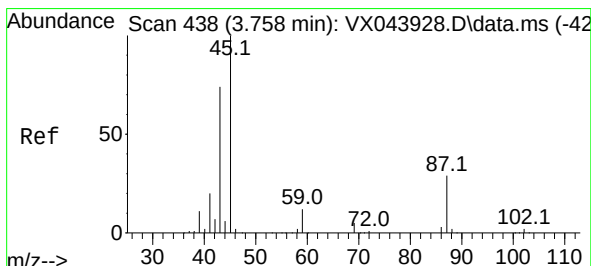
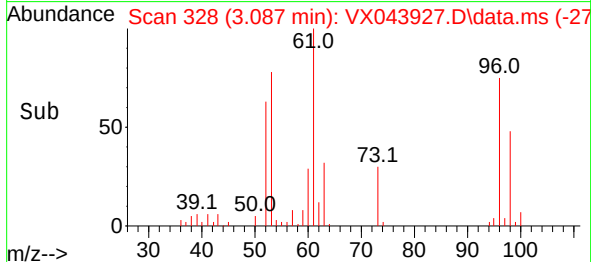
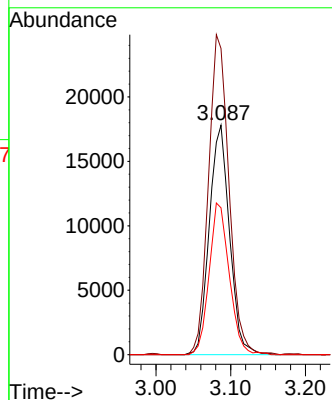
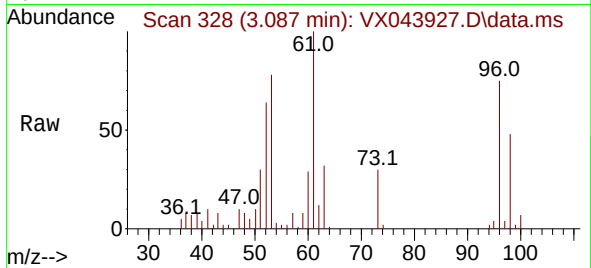




#21  
trans-1,2-Dichloroethene  
Concen: 20.489 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

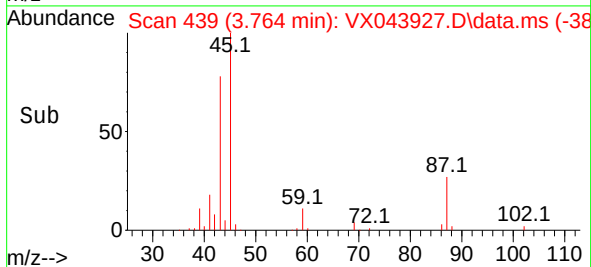
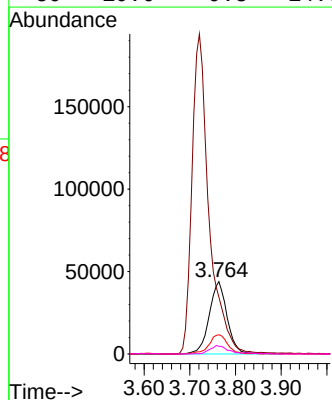
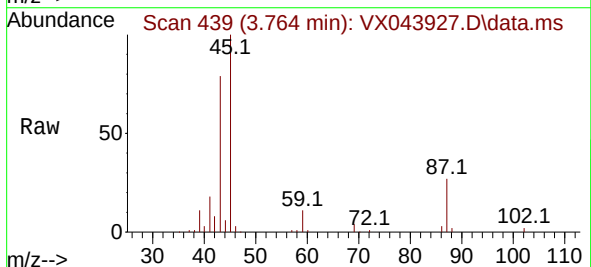
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

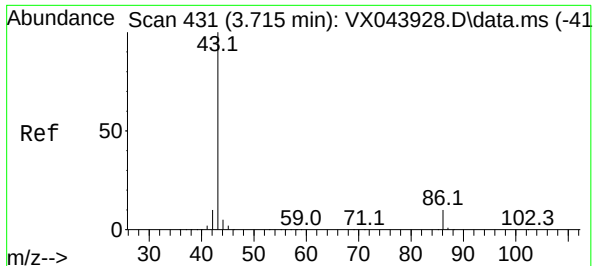
Tgt Ion: 96 Resp: 33545  
Ion Ratio Lower Upper  
96 100  
61 133.4 111.8 167.6  
98 64.0 52.7 79.1



#22  
Diisopropyl ether  
Concen: 21.564 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 45 Resp: 119475  
Ion Ratio Lower Upper  
45 100  
43 77.4 59.6 89.4  
87 26.6 22.9 34.3  
59 10.6 9.8 14.6

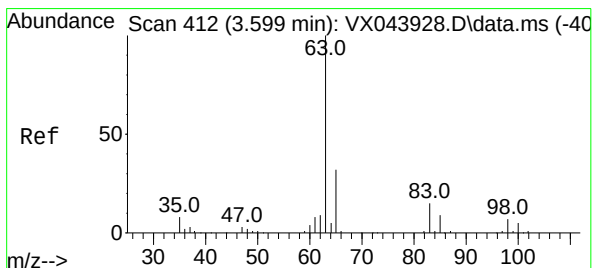
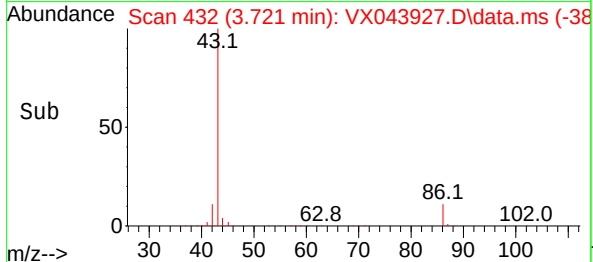
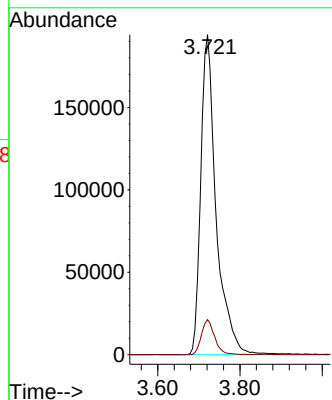
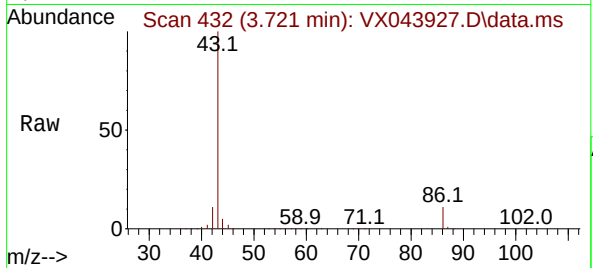




#23  
 Vinyl Acetate  
 Concen: 106.423 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX043927.D  
 Acq: 21 Nov 2024 10:37

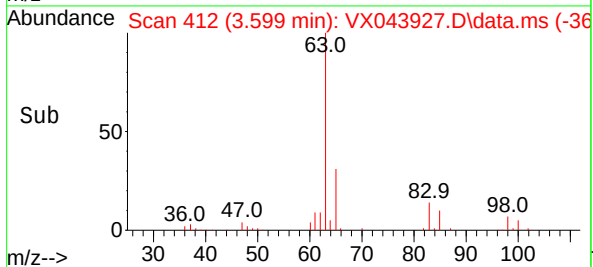
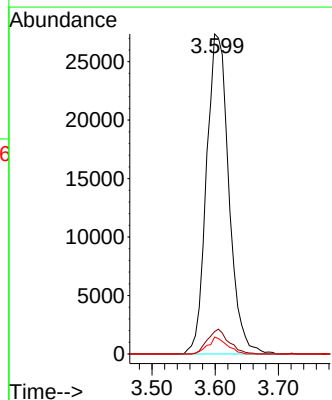
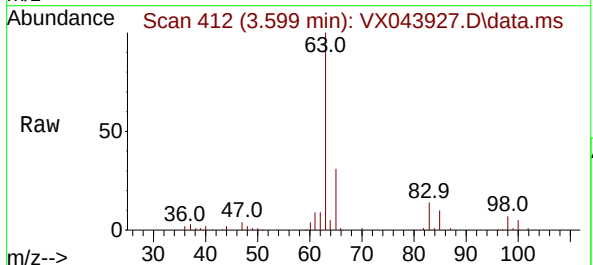
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

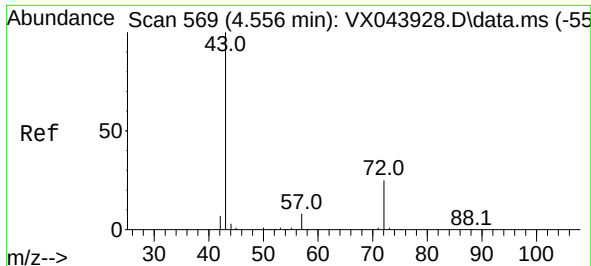
Tgt Ion: 43 Resp: 504408  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 21.034 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: VX043927.D  
 Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 67233  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.5 10.6  
 100 5.3 2.4 7.1





#25

2-Butanone

Concen: 105.912 ug/l

RT: 4.568 min Scan# 5

Delta R.T. 0.012 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

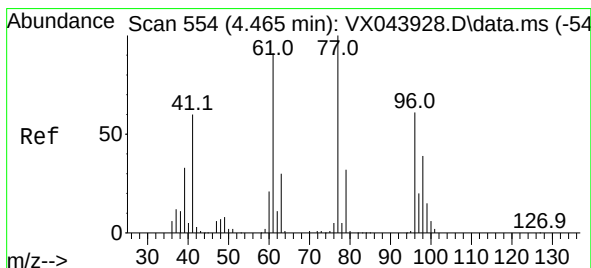
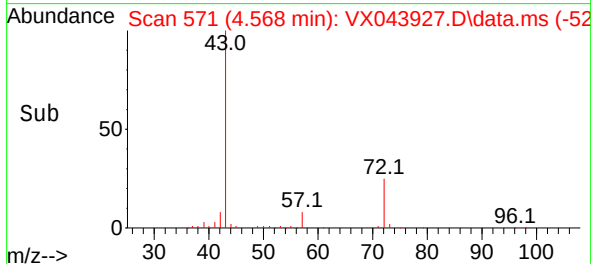
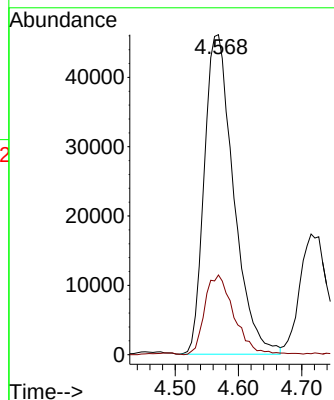
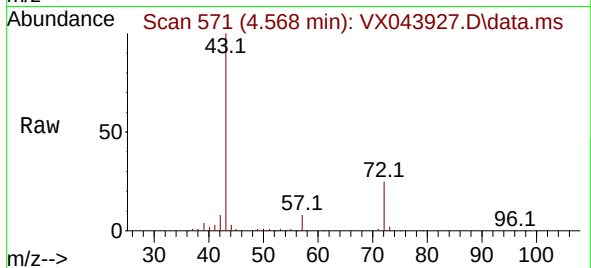
VSTDICC020

Tgt Ion: 43 Resp: 148152

Ion Ratio Lower Upper

43 100

72 24.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 20.246 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043927.D

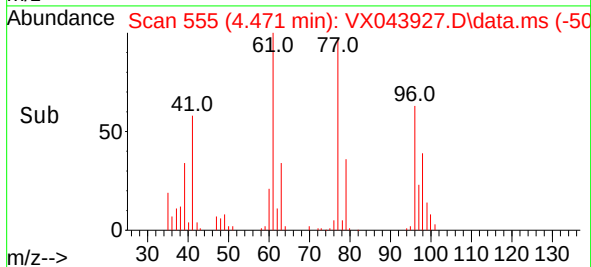
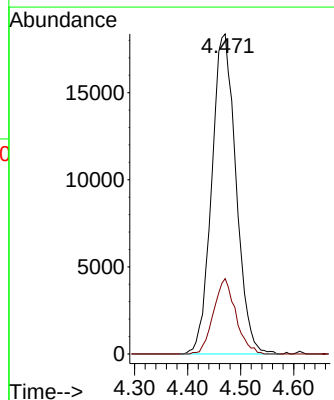
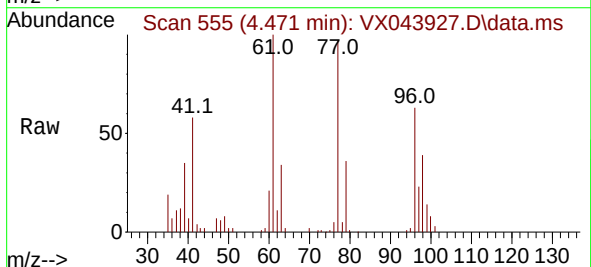
Acq: 21 Nov 2024 10:37

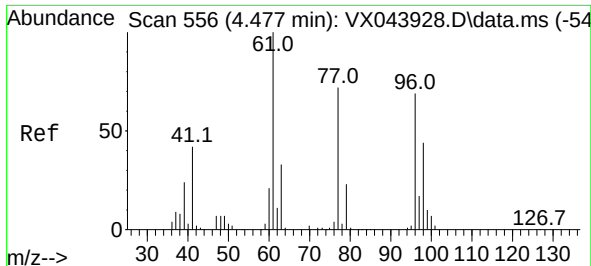
Tgt Ion: 77 Resp: 58444

Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3

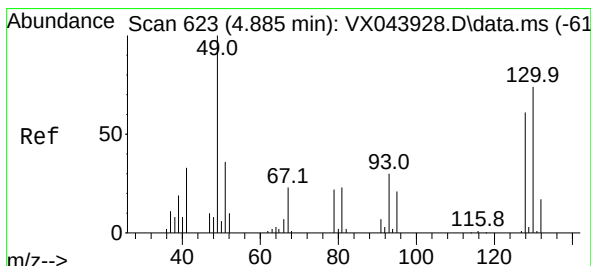
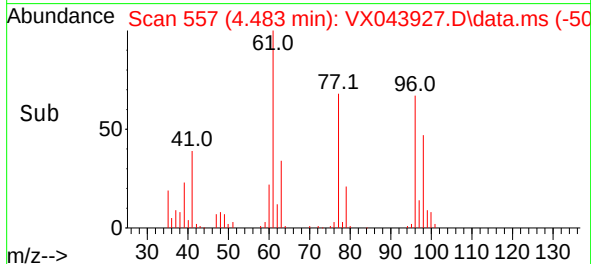
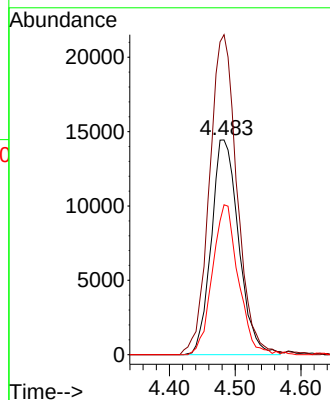
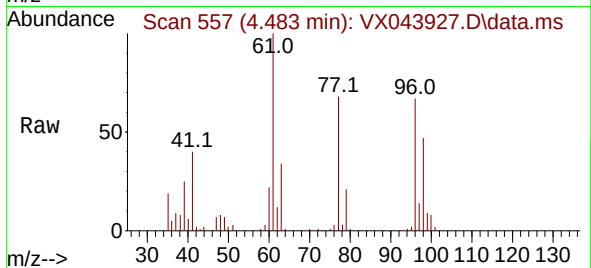




#27  
cis-1,2-Dichloroethene  
Concen: 20.688 ug/l  
RT: 4.483 min Scan# 556  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

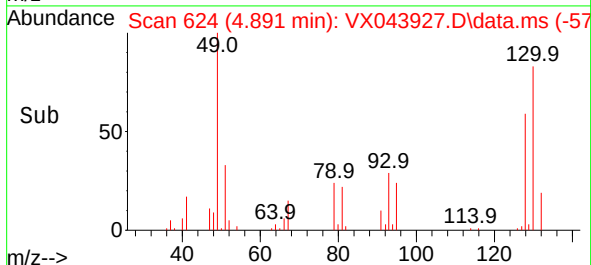
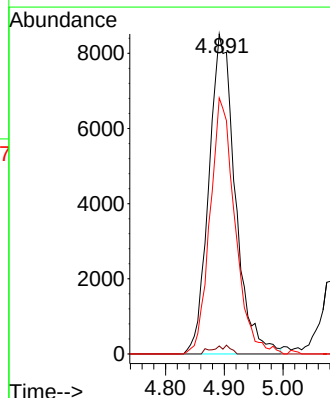
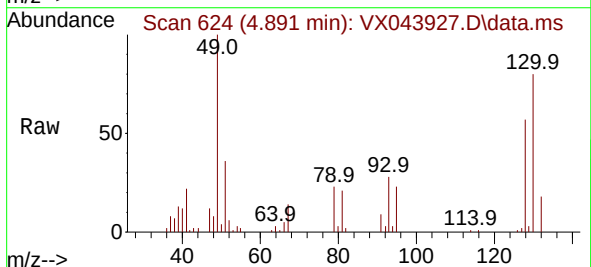
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

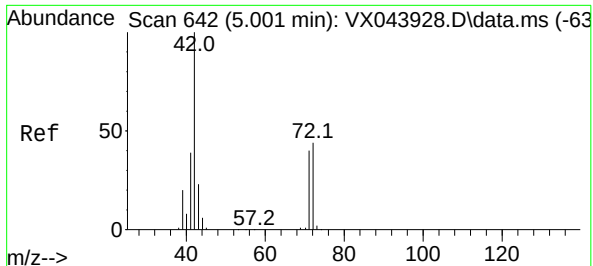
Tgt Ion: 96 Resp: 41866  
Ion Ratio Lower Upper  
96 100  
61 149.9 0.0 297.4  
98 66.3 0.0 127.8



#28  
Bromochloromethane  
Concen: 18.840 ug/l  
RT: 4.891 min Scan# 624  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 49 Resp: 26507  
Ion Ratio Lower Upper  
49 100  
129 1.8 0.0 4.0  
130 75.8 59.0 88.6

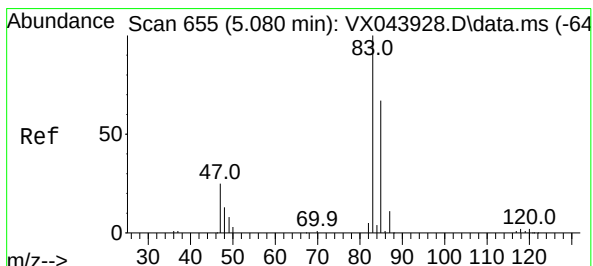
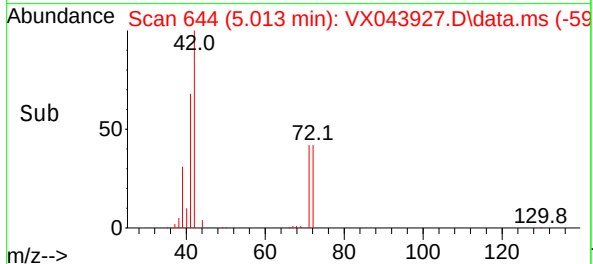
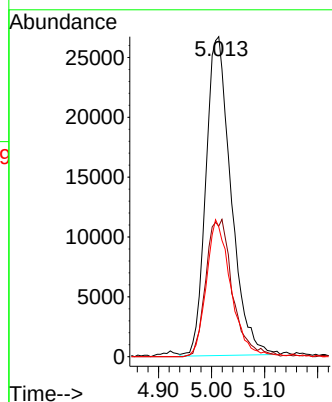
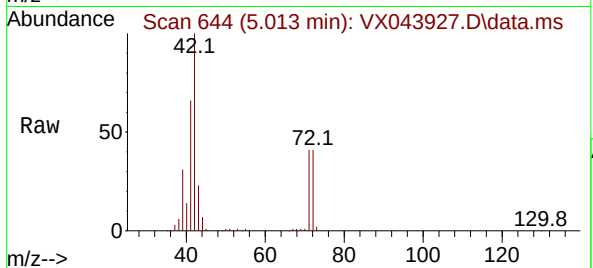




#29  
Tetrahydrofuran  
Concen: 102.308 ug/l  
RT: 5.013 min Scan# 642  
Delta R.T. 0.012 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

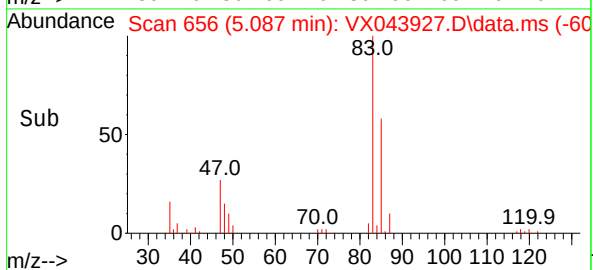
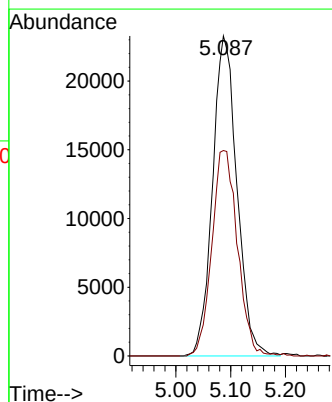
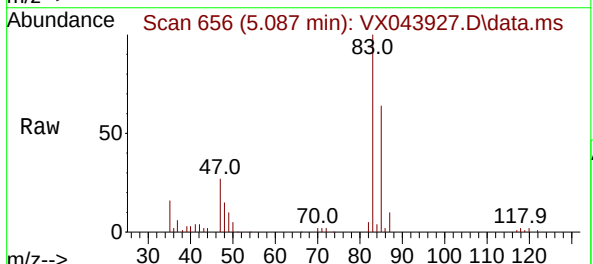
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

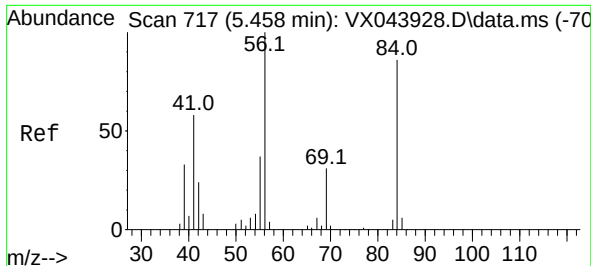
Tgt Ion: 42 Resp: 87736  
Ion Ratio Lower Upper  
42 100  
72 45.8 36.4 54.6  
71 42.0 33.4 50.0



#30  
Chloroform  
Concen: 20.958 ug/l  
RT: 5.087 min Scan# 656  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 83 Resp: 72049  
Ion Ratio Lower Upper  
83 100  
85 64.2 53.5 80.3

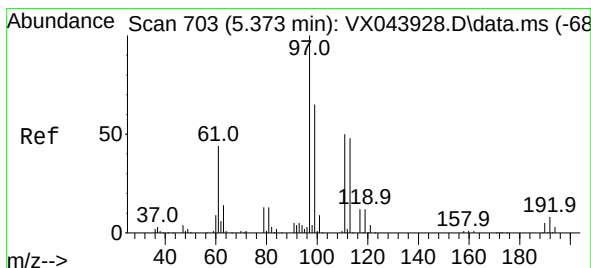
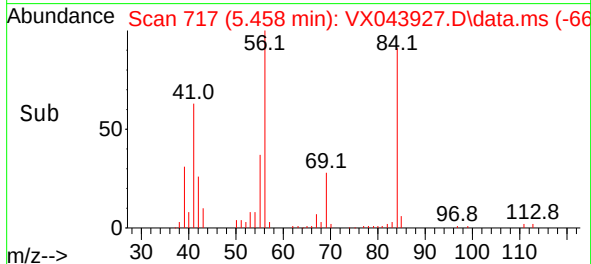
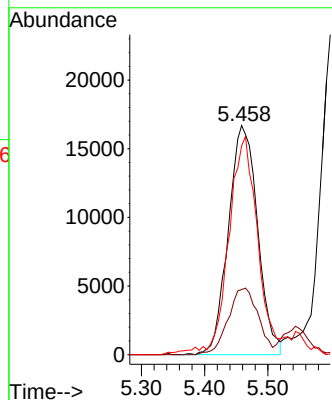
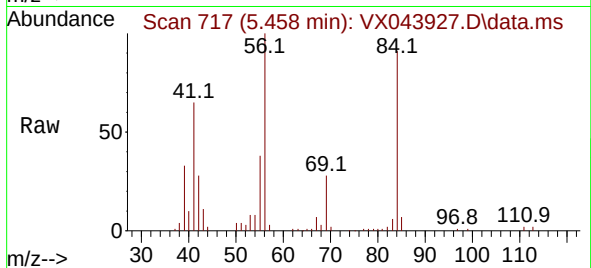




#31  
Cyclohexane  
Concen: 20.425 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

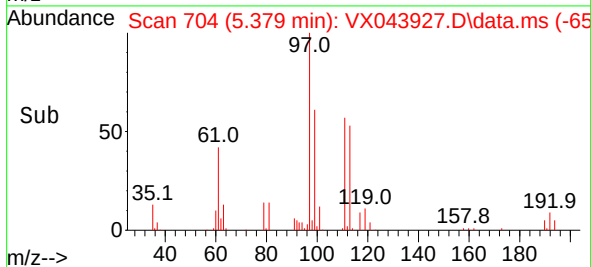
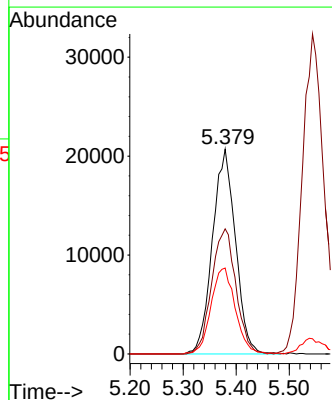
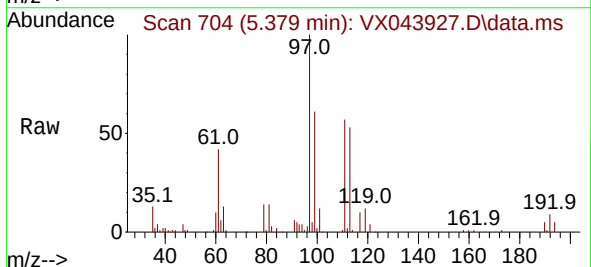
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

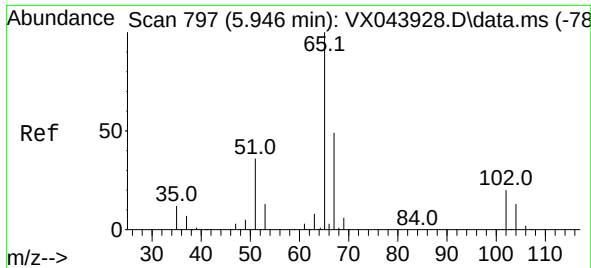
Tgt Ion: 56 Resp: 53731  
Ion Ratio Lower Upper  
56 100  
69 28.4 24.7 37.1  
84 89.6 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 21.046 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 97 Resp: 62394  
Ion Ratio Lower Upper  
97 100  
99 64.5 50.8 76.2  
61 44.1 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 20.437 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

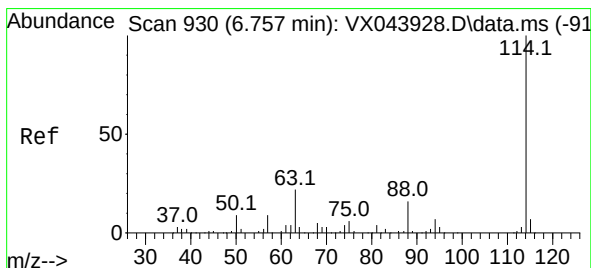
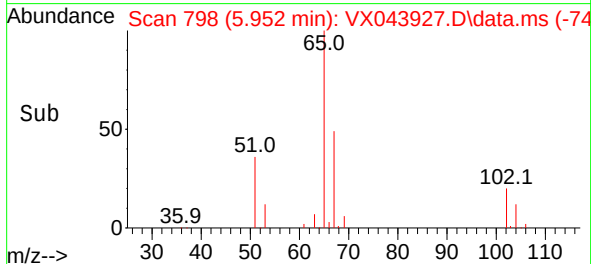
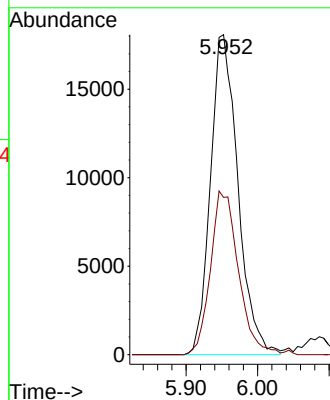
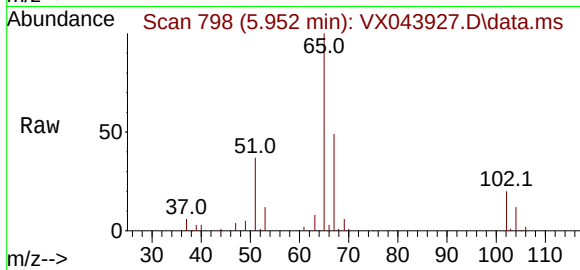
VSTDIC020

Tgt Ion: 65 Resp: 48239

Ion Ratio Lower Upper

65 100

67 51.9 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

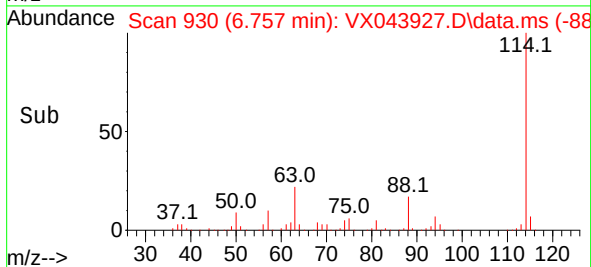
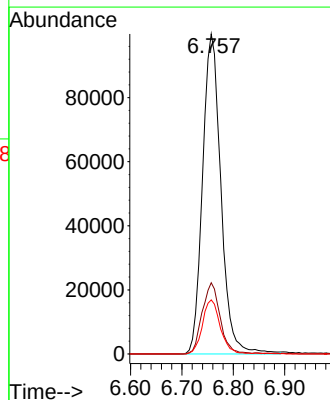
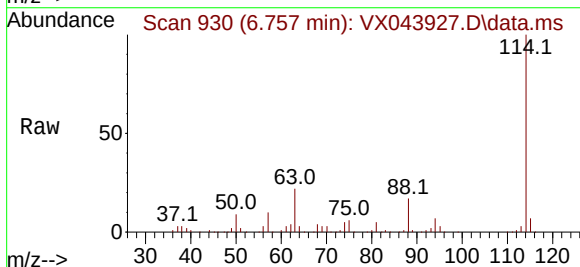
Tgt Ion: 114 Resp: 247844

Ion Ratio Lower Upper

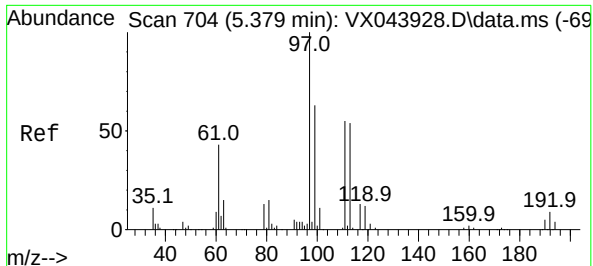
114 100

63 22.2 0.0 44.0

88 16.9 0.0 32.4







#35

Dibromofluoromethane

Concen: 19.772 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

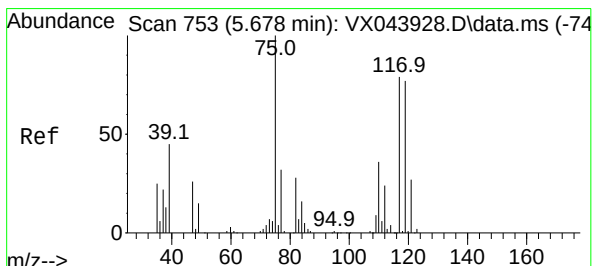
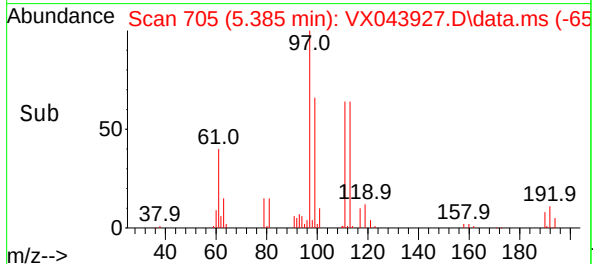
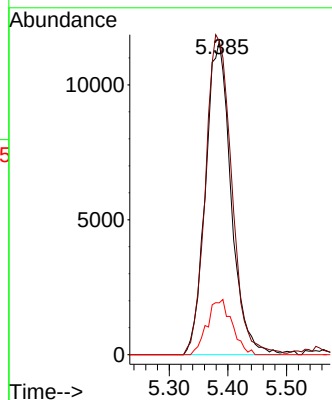
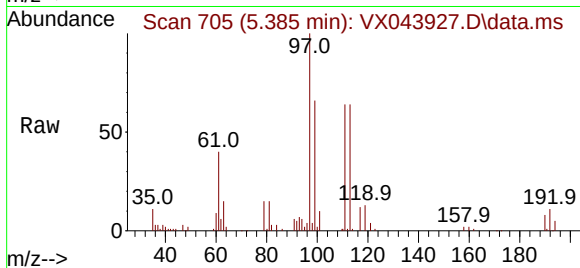
Tgt Ion:113 Resp: 35015

Ion Ratio Lower Upper

113 100

111 105.0 81.0 121.4

192 17.1 13.0 19.6



#36

1,1-Dichloropropene

Concen: 20.149 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

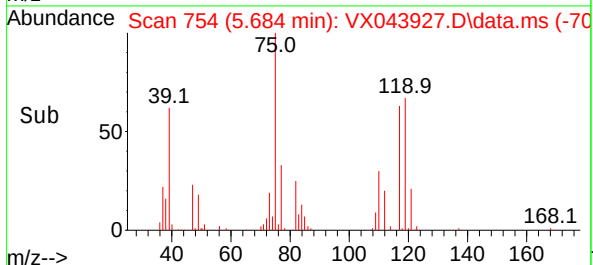
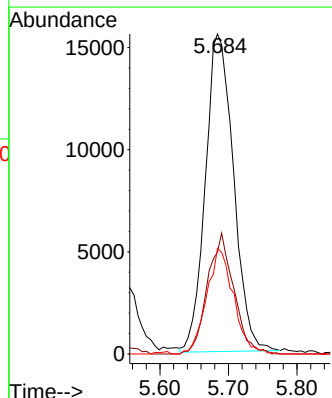
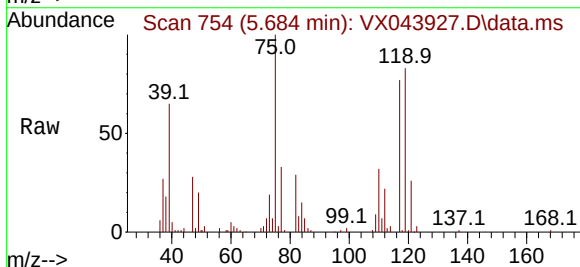
Tgt Ion: 75 Resp: 44465

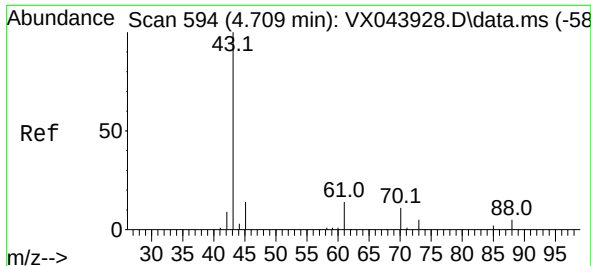
Ion Ratio Lower Upper

75 100

110 35.4 17.4 52.2

77 31.8 25.8 38.8





#37

Ethyl Acetate

Concen: 19.868 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

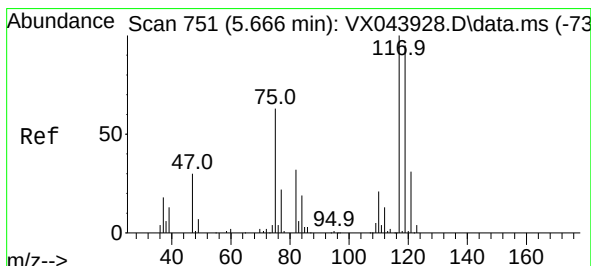
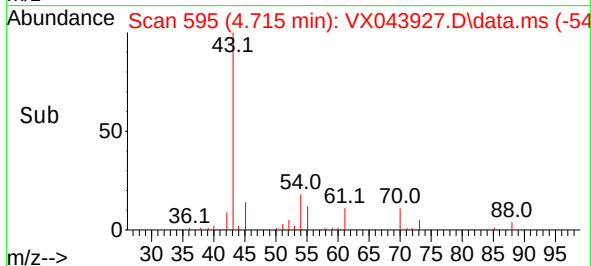
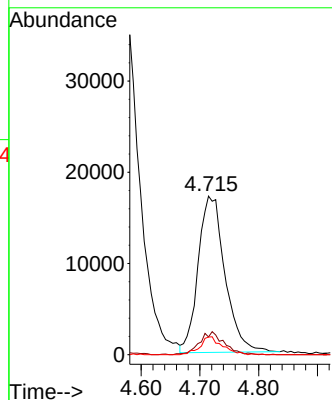
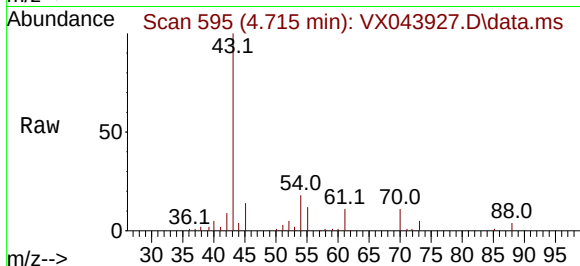
Tgt Ion: 43 Resp: 54426

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

70 9.5 8.0 12.0



#38

Carbon Tetrachloride

Concen: 19.640 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

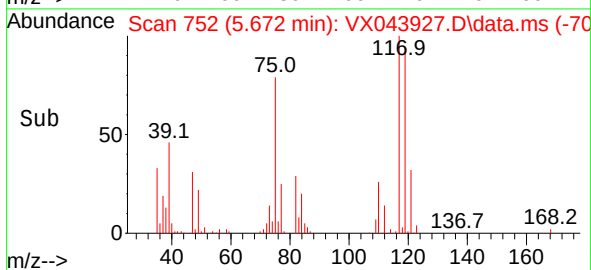
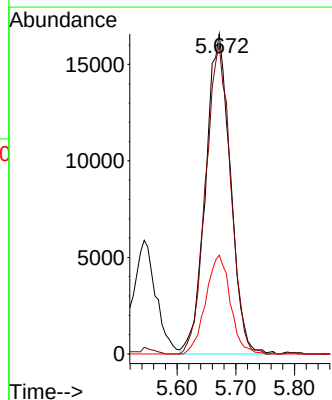
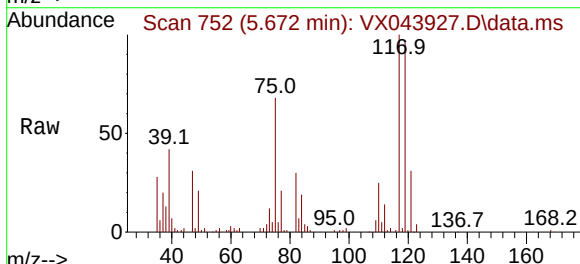
Tgt Ion: 117 Resp: 48701

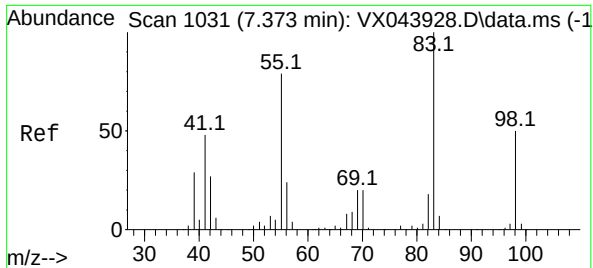
Ion Ratio Lower Upper

117 100

119 96.6 75.2 112.8

121 30.8 24.5 36.7





#39

Methylcyclohexane

Concen: 19.518 ug/l

RT: 7.379 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

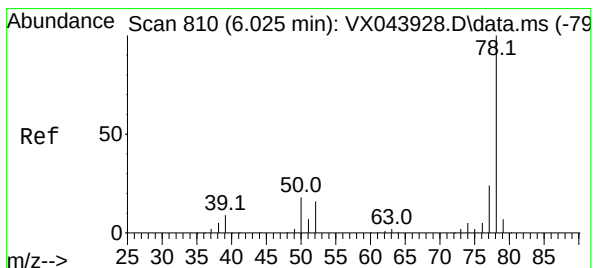
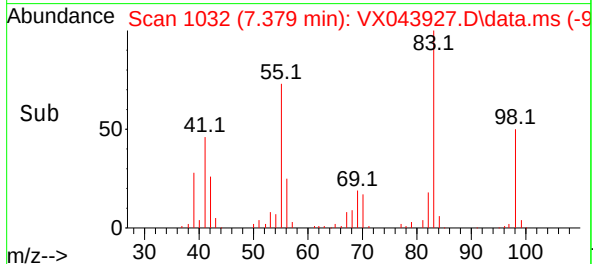
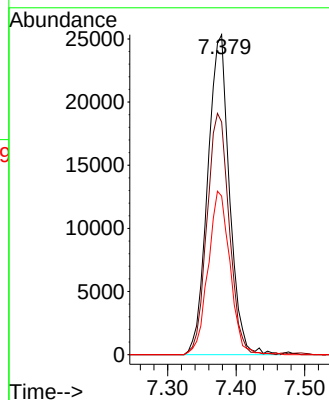
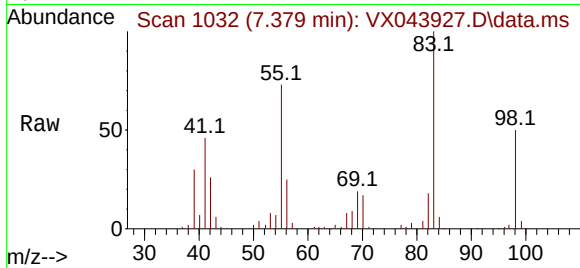
Tgt Ion: 83 Resp: 55958

Ion Ratio Lower Upper

83 100

55 72.7 63.1 94.7

98 49.5 40.0 60.0



#40

Benzene

Concen: 21.006 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX043927.D

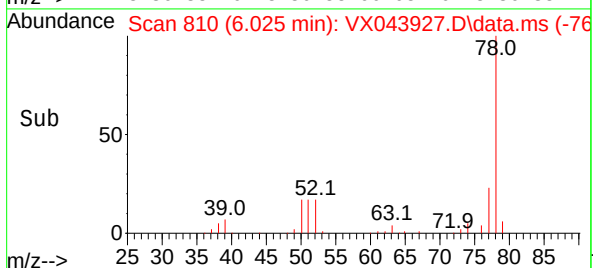
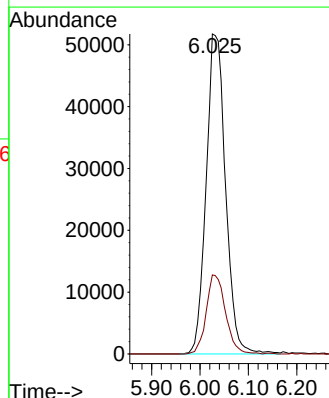
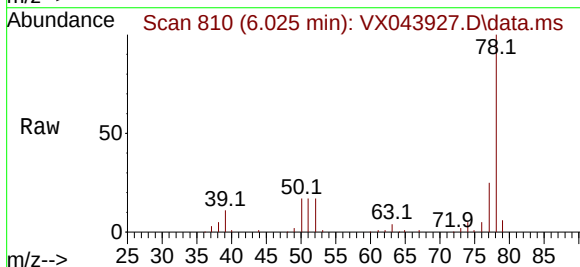
Acq: 21 Nov 2024 10:37

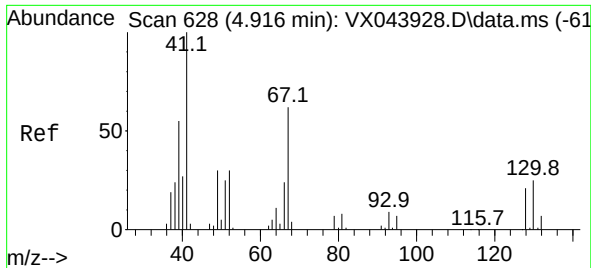
Tgt Ion: 78 Resp: 144401

Ion Ratio Lower Upper

78 100

77 24.7 19.2 28.8

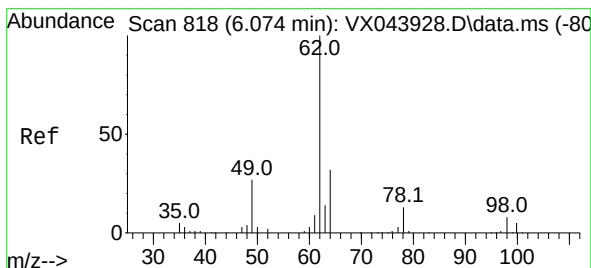
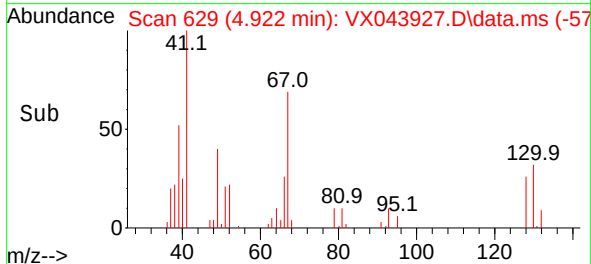
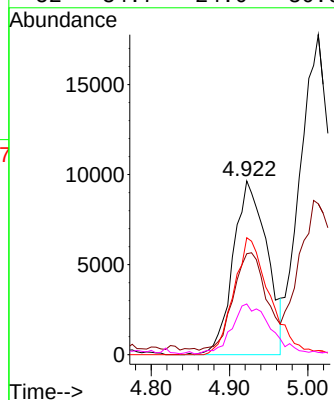
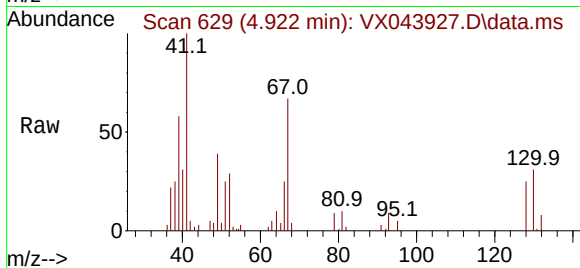




#41  
Methacrylonitrile  
Concen: 20.639 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

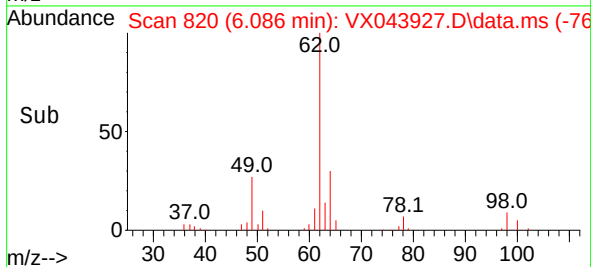
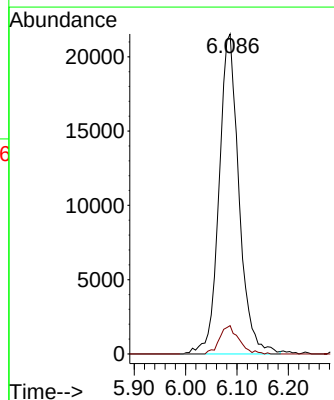
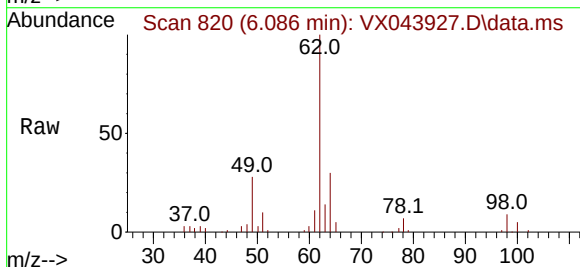
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

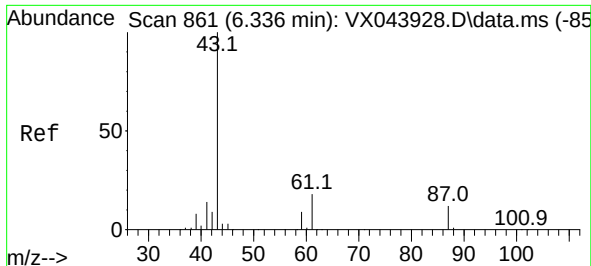
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 28938 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.1  | 41.7  | 62.5  |
| 67       | 72.7  | 55.8  | 83.8  |
| 52       | 34.7  | 24.0  | 36.0  |



#42  
1,2-Dichloroethane  
Concen: 21.001 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.012 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 57981 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.6   | 0.0   | 16.4  |





#43

Isopropyl Acetate

Concen: 20.318 ug/l

RT: 6.349 min Scan# 863

Delta R.T. 0.012 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

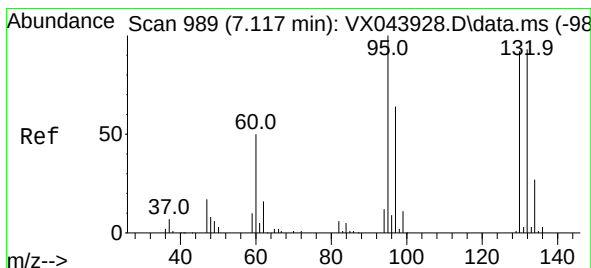
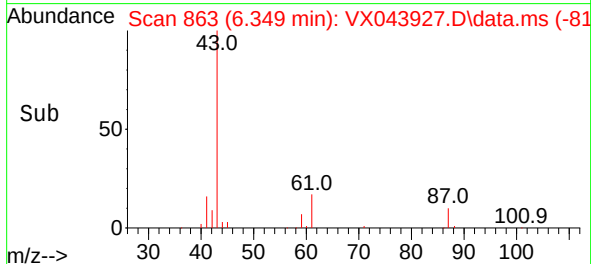
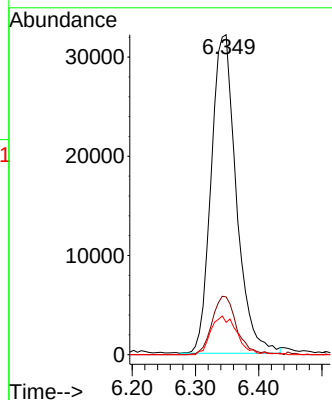
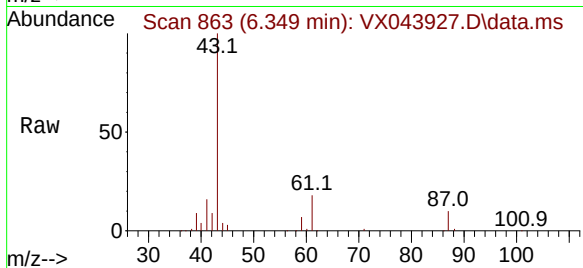
Tgt Ion: 43 Resp: 88577

Ion Ratio Lower Upper

43 100

61 17.9 14.5 21.7

87 12.6 10.2 15.2



#44

Trichloroethene

Concen: 18.726 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043927.D

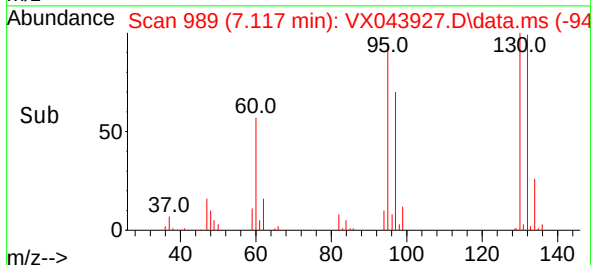
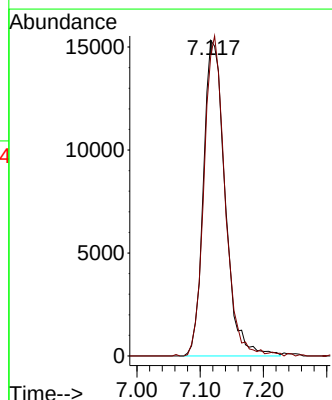
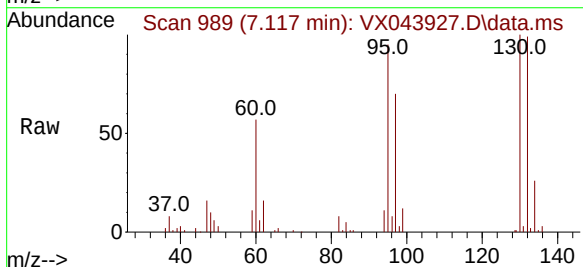
Acq: 21 Nov 2024 10:37

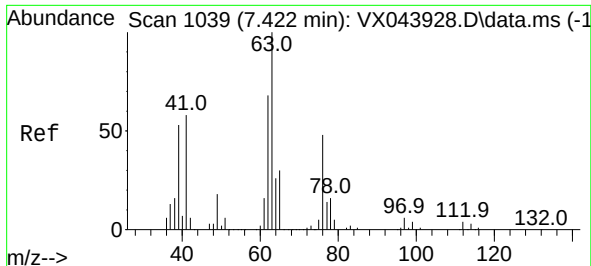
Tgt Ion:130 Resp: 36440

Ion Ratio Lower Upper

130 100

95 95.2 0.0 217.8





#45

1,2-Dichloropropane

Concen: 21.258 ug/l

RT: 7.428 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

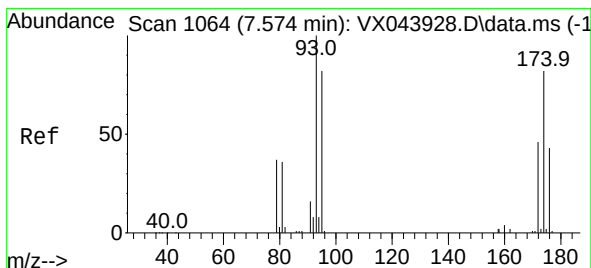
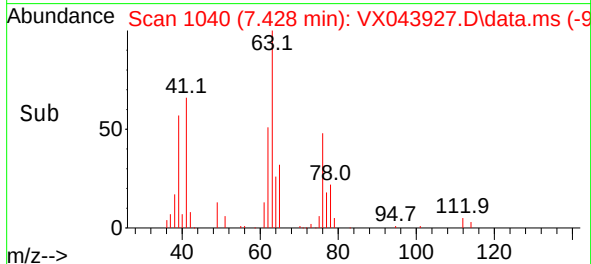
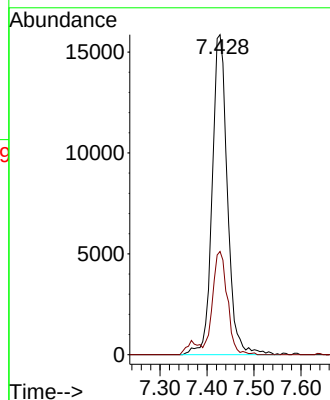
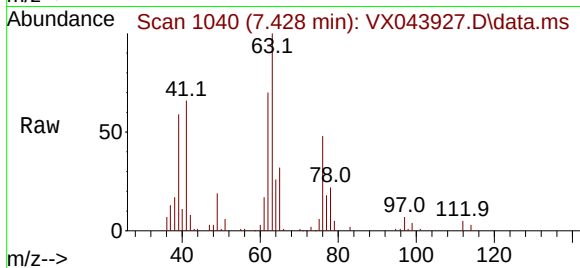
VSTDIC020

Tgt Ion: 63 Resp: 35791

Ion Ratio Lower Upper

63 100

65 32.2 23.8 35.6



#46

Dibromomethane

Concen: 20.873 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

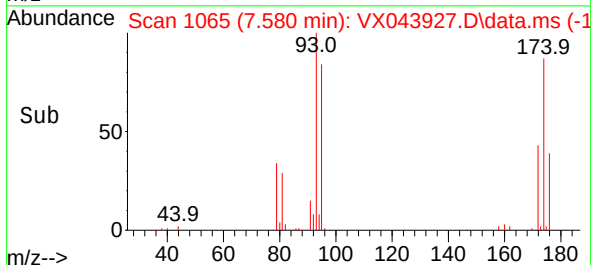
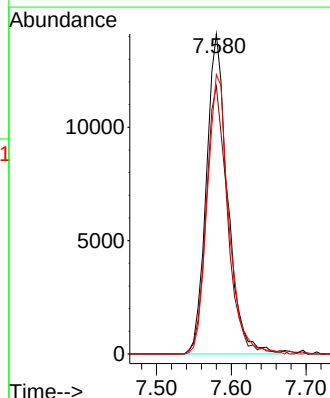
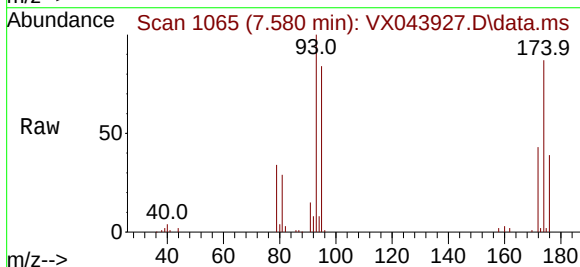
Tgt Ion: 93 Resp: 27799

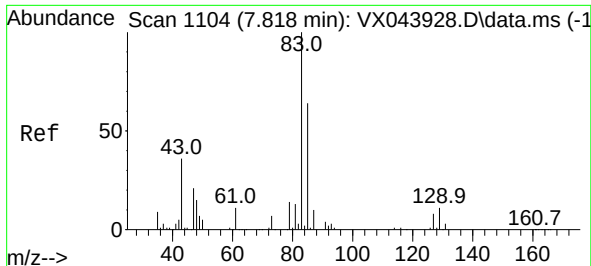
Ion Ratio Lower Upper

93 100

95 84.4 66.2 99.4

174 89.0 69.6 104.4

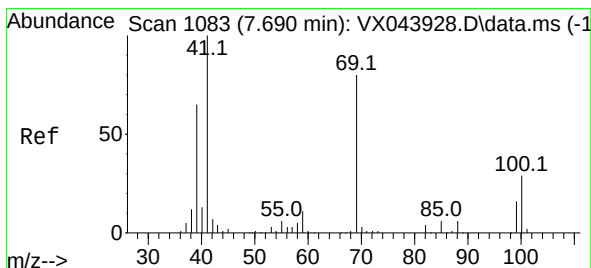
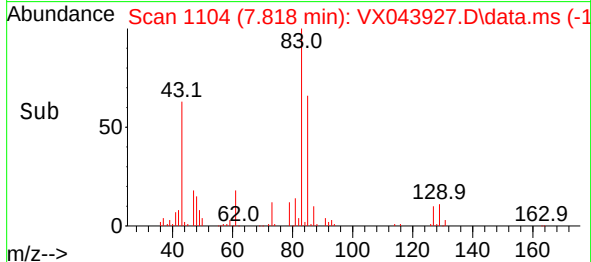
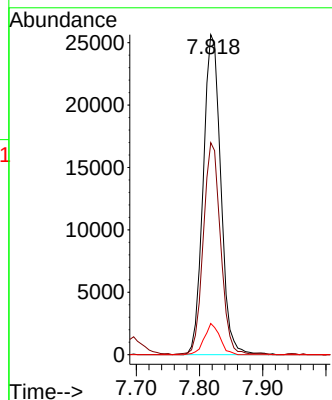
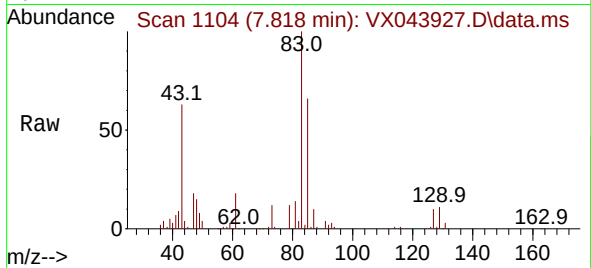




#47  
Bromodichloromethane  
Concen: 20.792 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

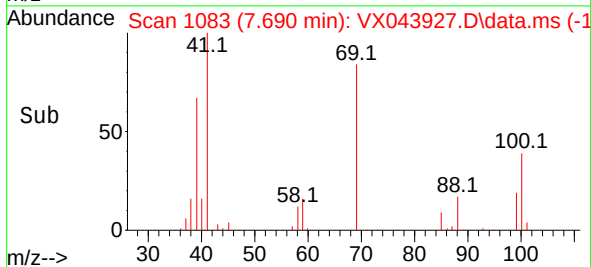
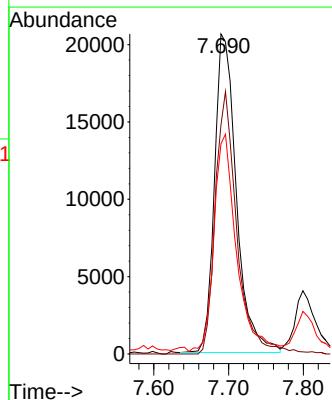
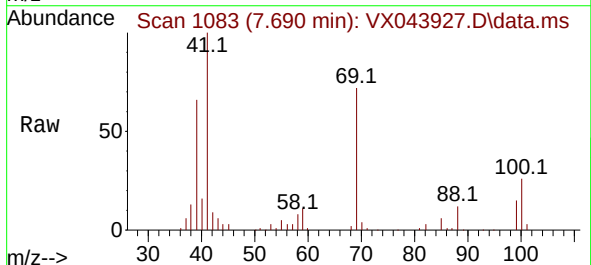
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

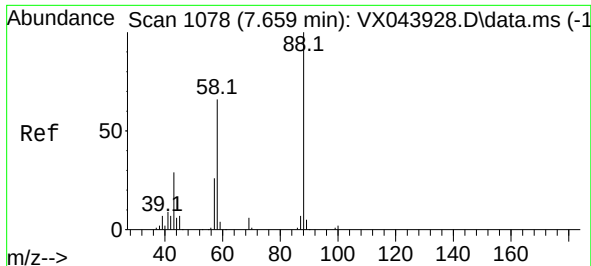
Tgt Ion: 83 Resp: 49665  
Ion Ratio Lower Upper  
83 100  
85 66.3 51.4 77.0  
127 9.7 6.6 10.0



#48  
Methyl methacrylate  
Concen: 20.059 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 41 Resp: 41962  
Ion Ratio Lower Upper  
41 100  
69 81.5 64.6 97.0  
39 69.6 53.3 79.9





#49

1,4-Dioxane

Concen: 334.681 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

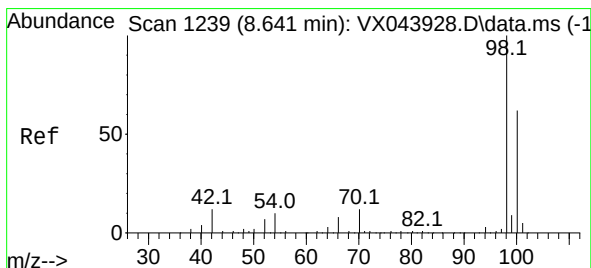
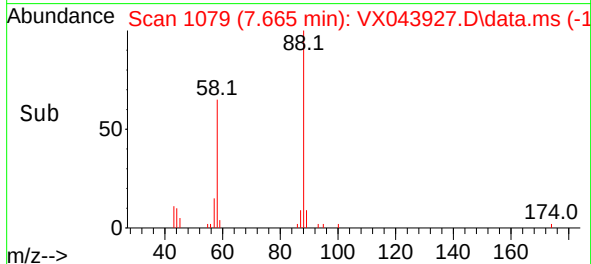
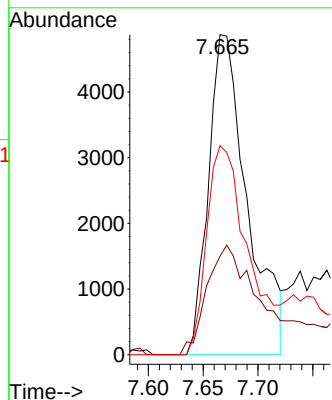
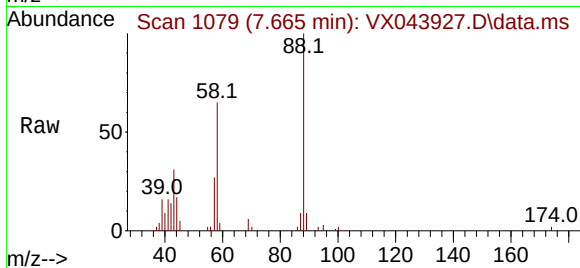
Tgt Ion: 88 Resp: 12071

Ion Ratio Lower Upper

88 100

43 52.5 26.8 40.2#

58 69.7 45.4 68.2#



#50

Toluene-d8

Concen: 20.090 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043927.D

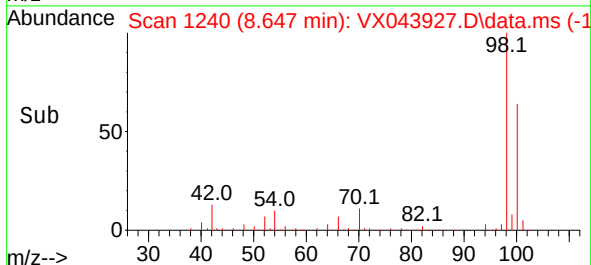
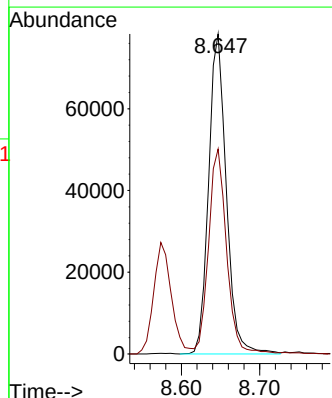
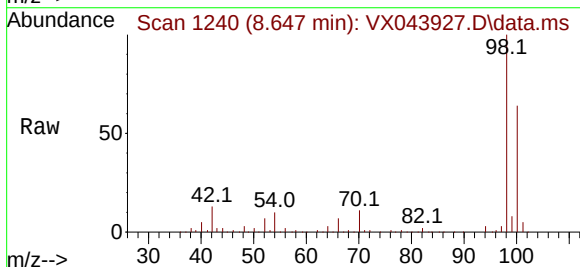
Acq: 21 Nov 2024 10:37

Tgt Ion: 98 Resp: 122646

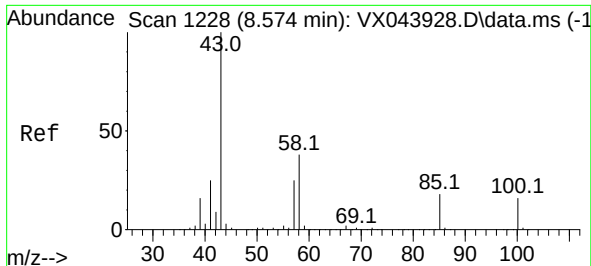
Ion Ratio Lower Upper

98 100

100 63.8 52.6 79.0







#51

4-Methyl-2-Pentanone

Concen: 104.673 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

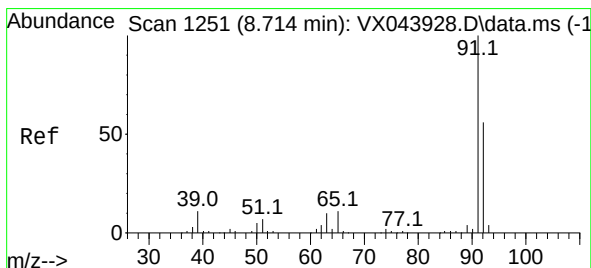
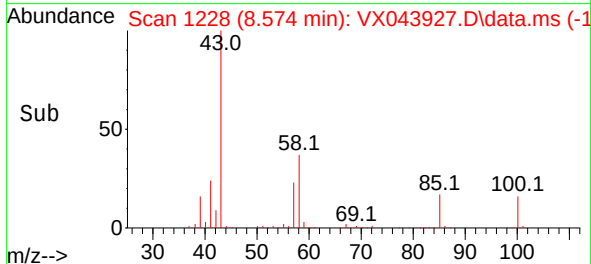
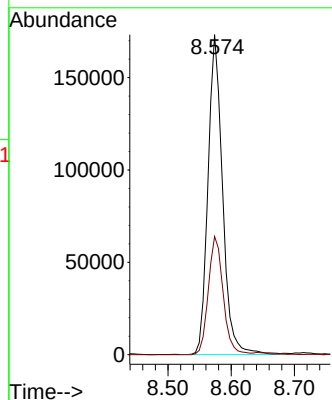
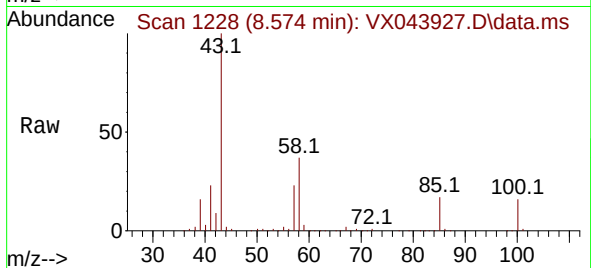
VSTDICC020

Tgt Ion: 43 Resp: 278479

Ion Ratio Lower Upper

43 100

58 37.6 30.0 45.0



#52

Toluene

Concen: 21.284 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043927.D

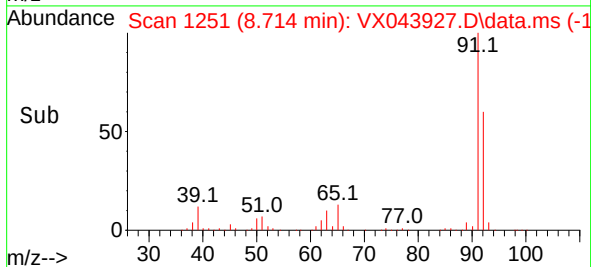
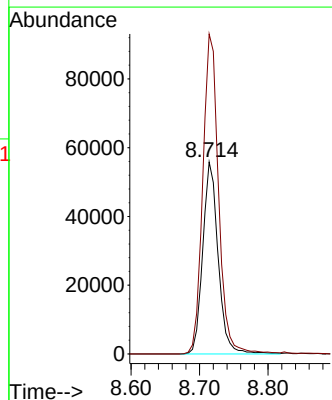
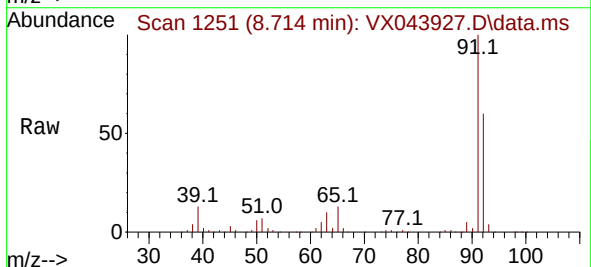
Acq: 21 Nov 2024 10:37

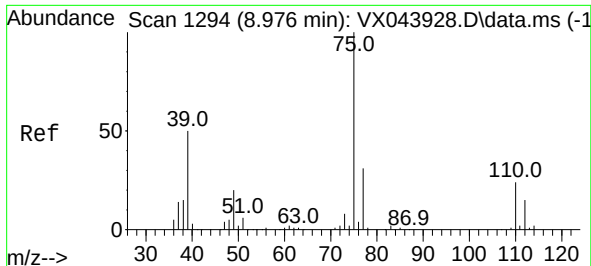
Tgt Ion: 92 Resp: 87569

Ion Ratio Lower Upper

92 100

91 171.0 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 20.648 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

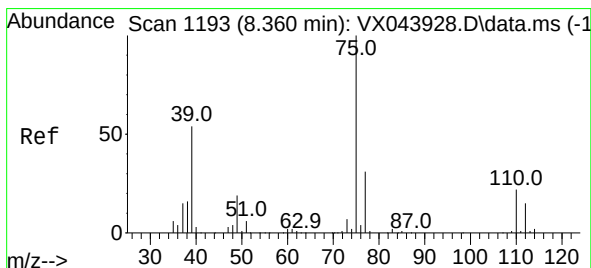
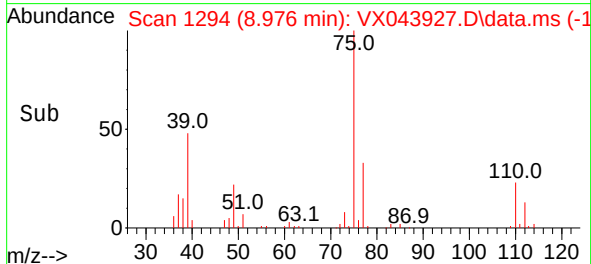
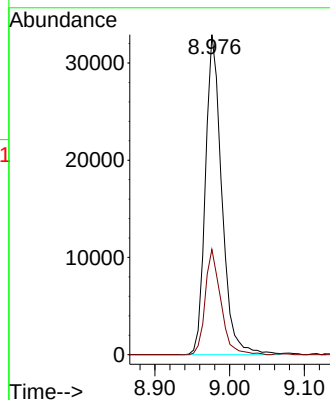
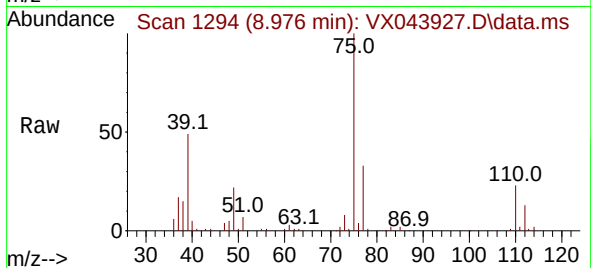
VSTDIC020

Tgt Ion: 75 Resp: 50294

Ion Ratio Lower Upper

75 100

77 32.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 21.124 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

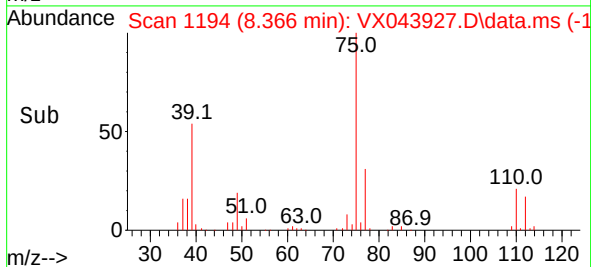
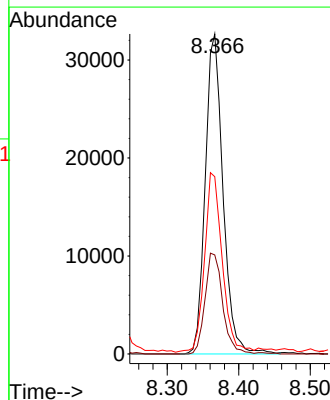
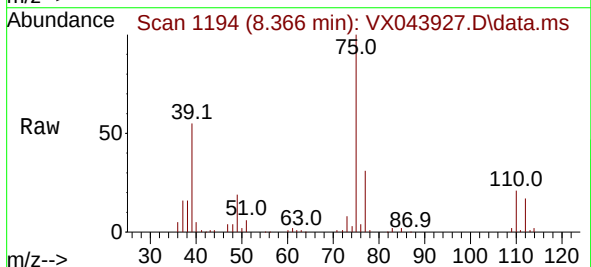
Tgt Ion: 75 Resp: 56407

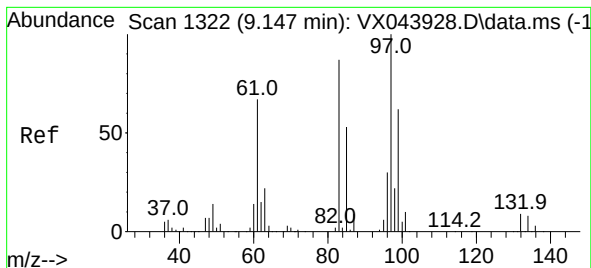
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 54.6 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 21.872 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

Tgt Ion: 97 Resp: 37148

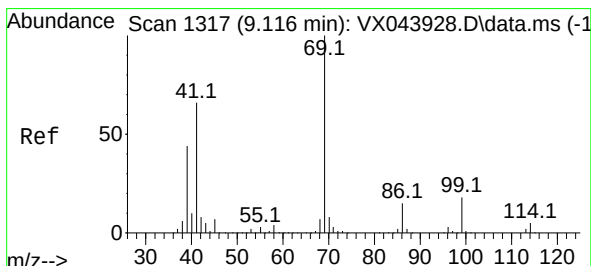
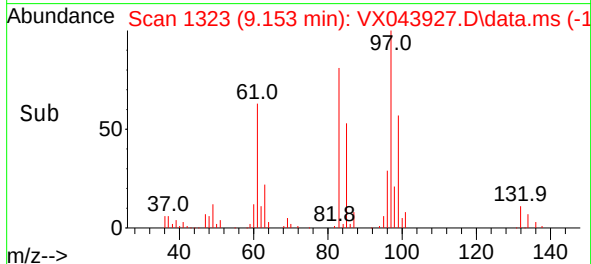
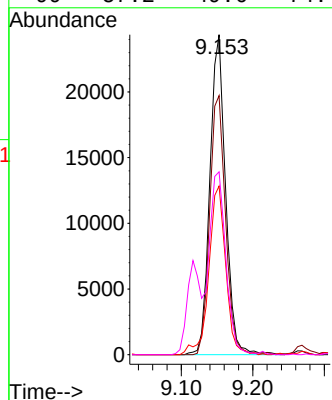
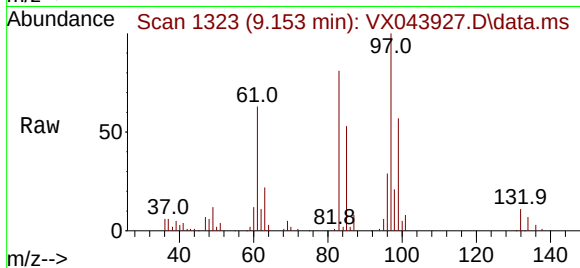
Ion Ratio Lower Upper

97 100

83 81.0 69.4 104.0

85 52.7 42.3 63.5

99 57.2 49.6 74.4



#56

Ethyl methacrylate

Concen: 21.390 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

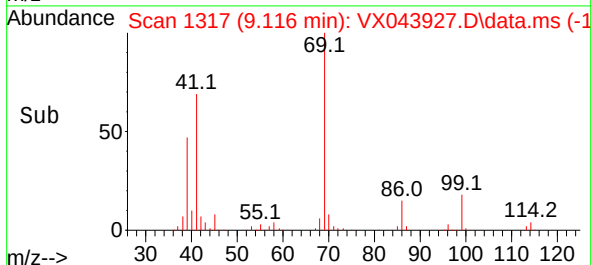
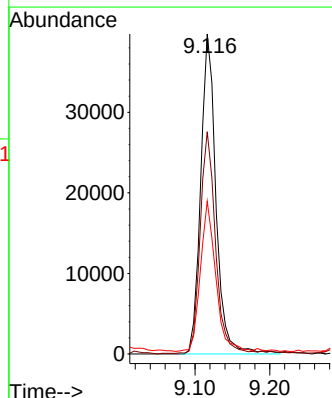
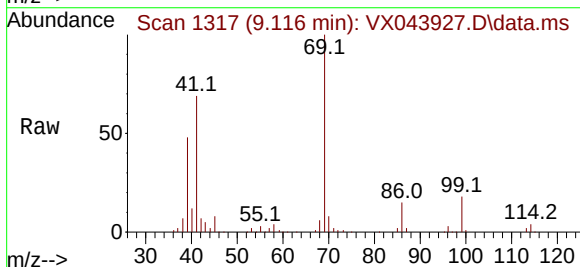
Tgt Ion: 69 Resp: 56585

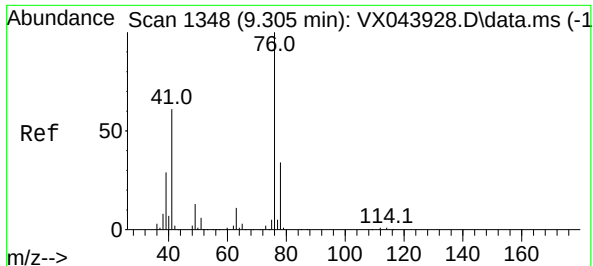
Ion Ratio Lower Upper

69 100

41 70.0 55.8 83.8

39 46.7 36.7 55.1

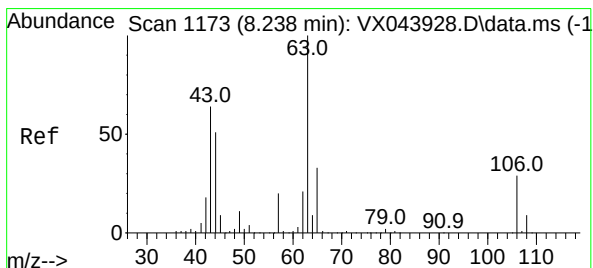
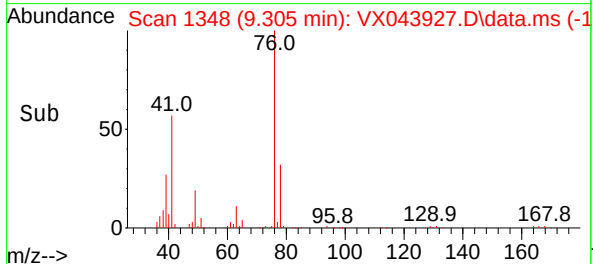
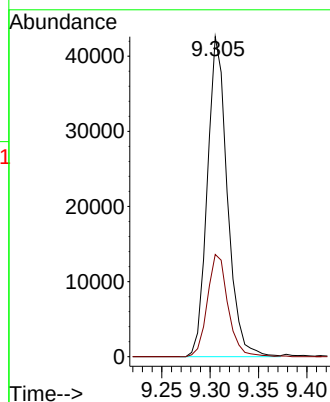
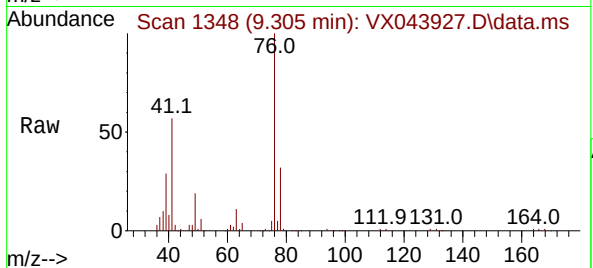




#57  
1,3-Dichloropropane  
Concen: 21.468 ug/l  
RT: 9.305 min Scan# 114  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

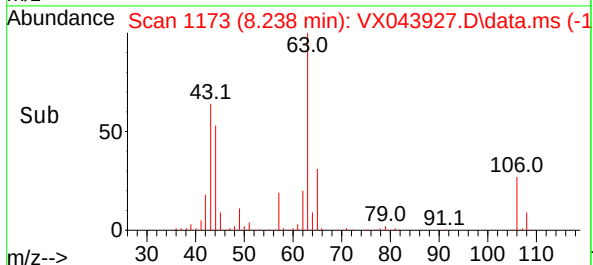
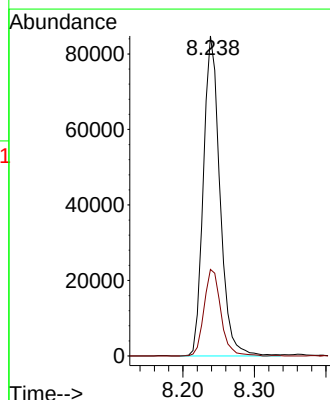
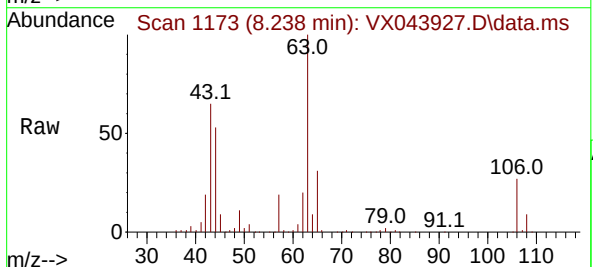
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

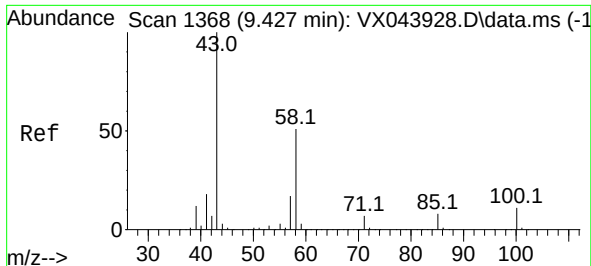
Tgt Ion: 76 Resp: 61420  
Ion Ratio Lower Upper  
76 100  
78 33.0 26.0 39.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 93.712 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 63 Resp: 136842  
Ion Ratio Lower Upper  
63 100  
106 27.4 23.0 34.6





#59

2-Hexanone

Concen: 106.832 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

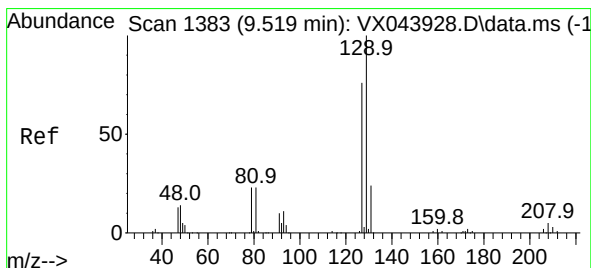
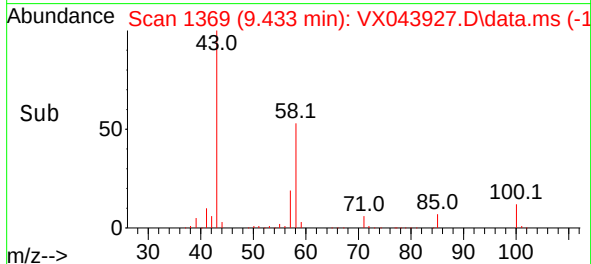
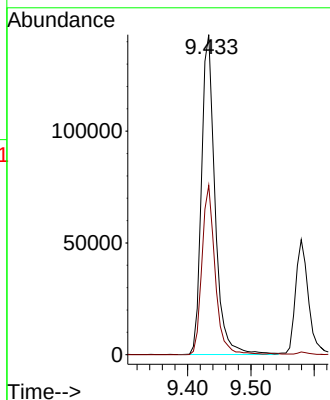
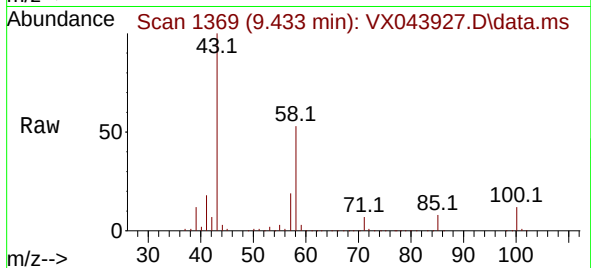
VSTDICC020

Tgt Ion: 43 Resp: 213629

Ion Ratio Lower Upper

43 100

58 51.6 25.9 77.6



#60

Dibromochloromethane

Concen: 20.030 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043927.D

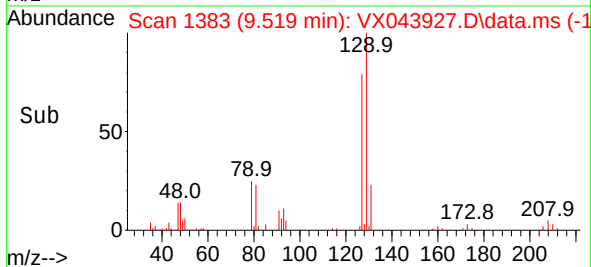
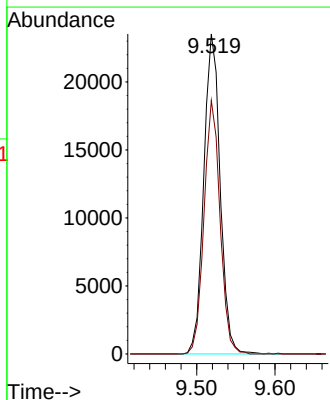
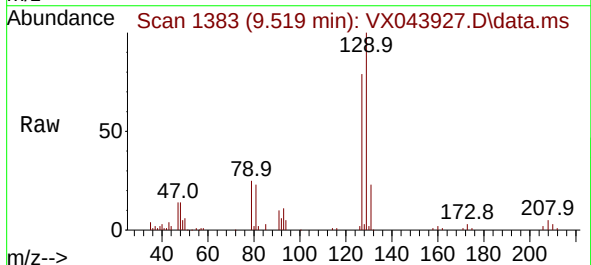
Acq: 21 Nov 2024 10:37

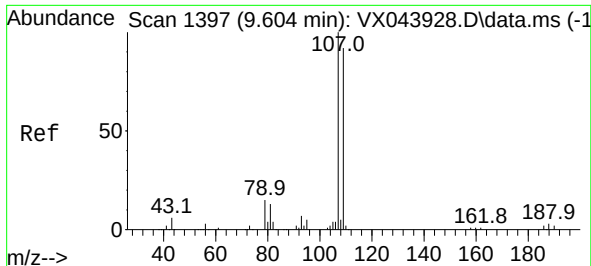
Tgt Ion:129 Resp: 34133

Ion Ratio Lower Upper

129 100

127 77.4 38.2 114.6

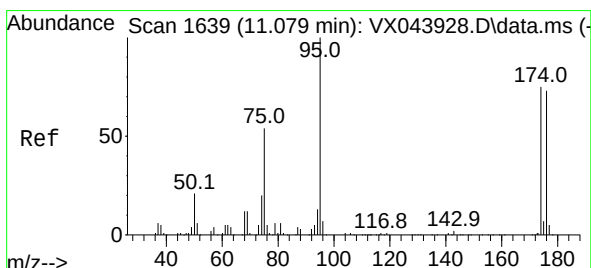
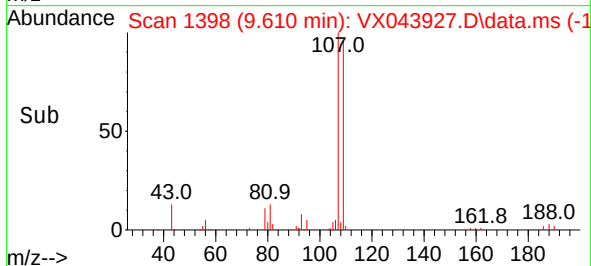
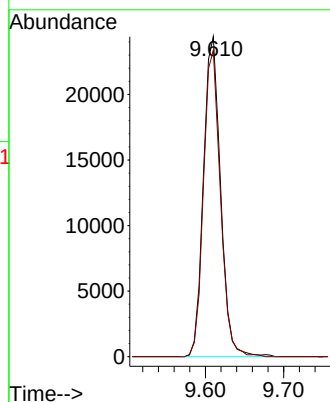
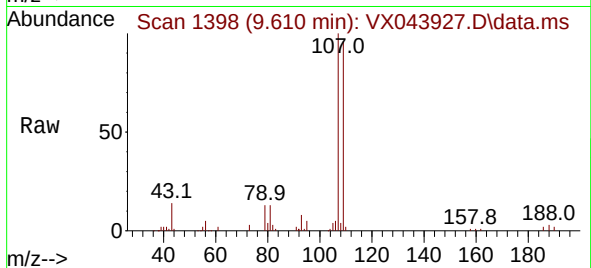




#61  
1,2-Dibromoethane  
Concen: 21.536 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.006 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

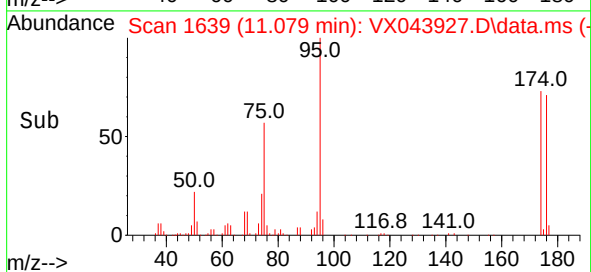
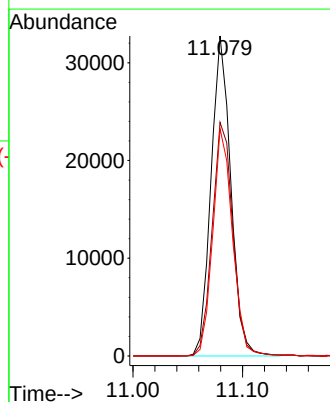
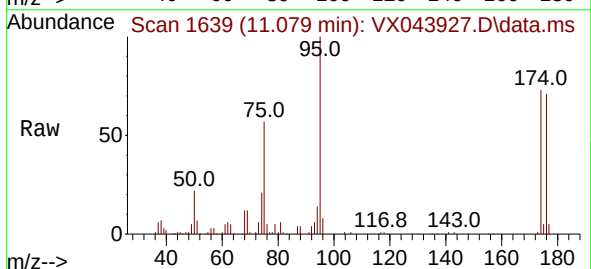
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

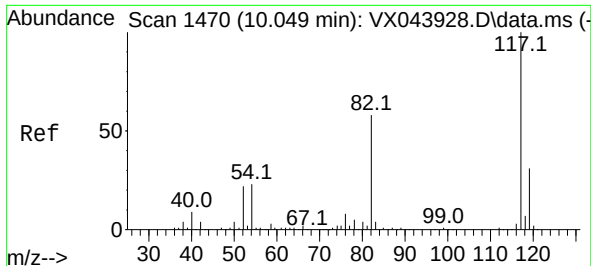
Tgt Ion:107 Resp: 36985  
Ion Ratio Lower Upper  
107 100  
109 94.7 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 19.776 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 95 Resp: 41087  
Ion Ratio Lower Upper  
95 100  
174 76.2 0.0 150.4  
176 71.1 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

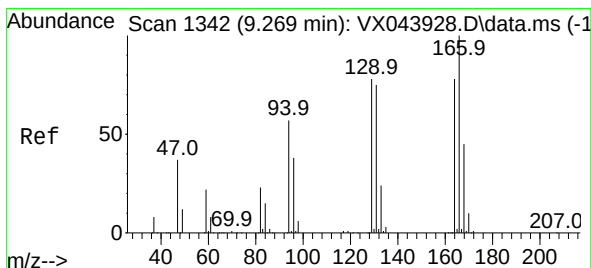
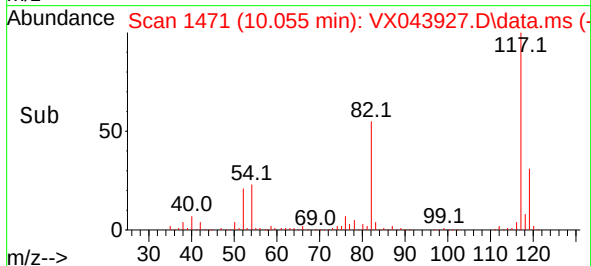
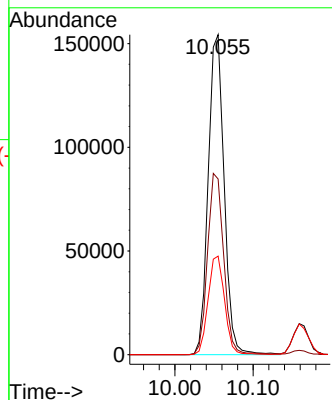
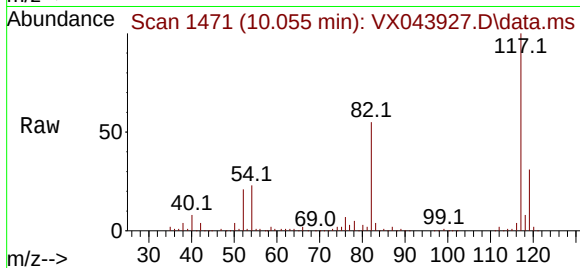
Tgt Ion:117 Resp: 217871

Ion Ratio Lower Upper

117 100

82 54.9 46.4 69.6

119 30.8 24.6 37.0



#64

Tetrachloroethene

Concen: 20.377 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion:164 Resp: 29274

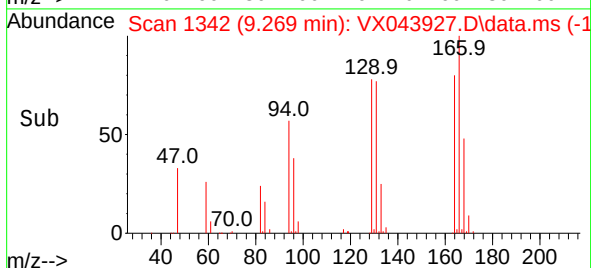
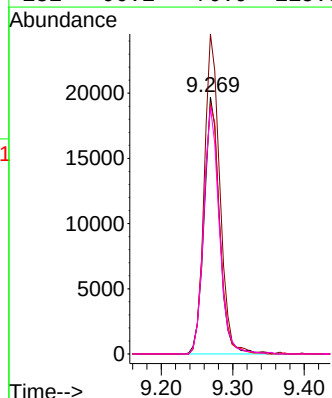
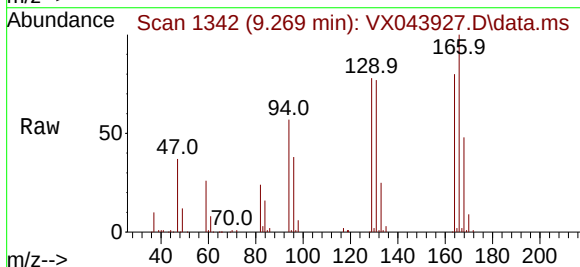
Ion Ratio Lower Upper

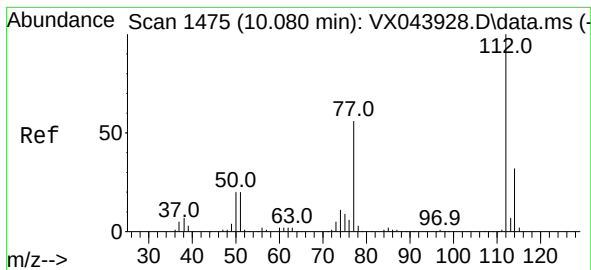
164 100

166 124.6 102.1 153.1

129 97.2 79.6 119.4

131 96.1 76.9 115.3

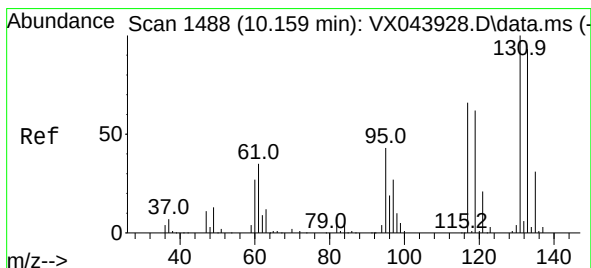
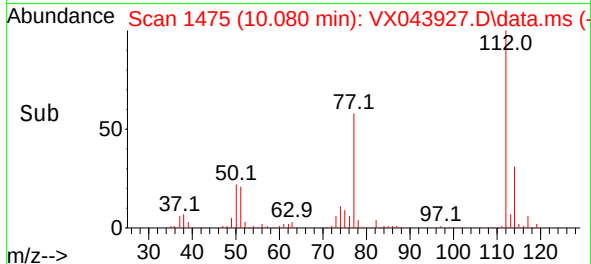
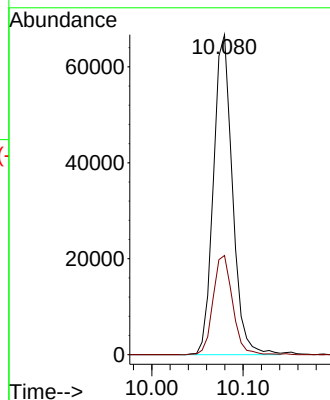
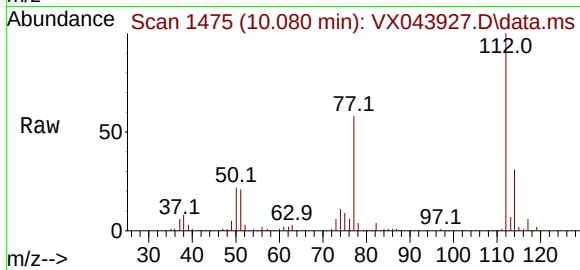




#65  
Chlorobenzene  
Concen: 20.160 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

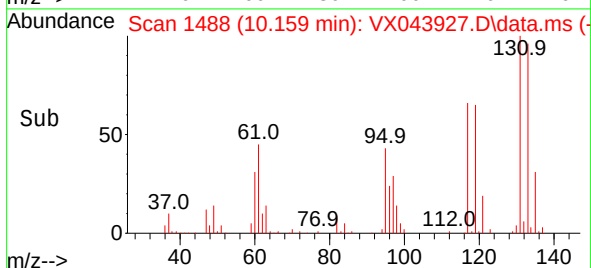
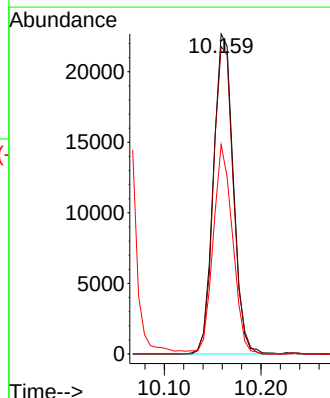
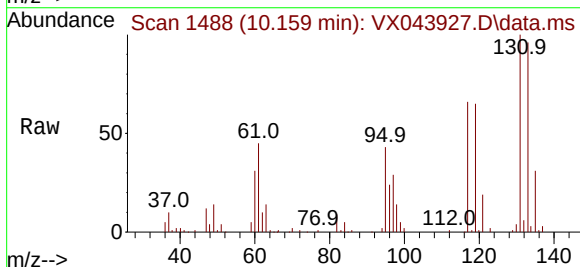
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Tgt Ion:112 Resp: 96469  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.4 38.0

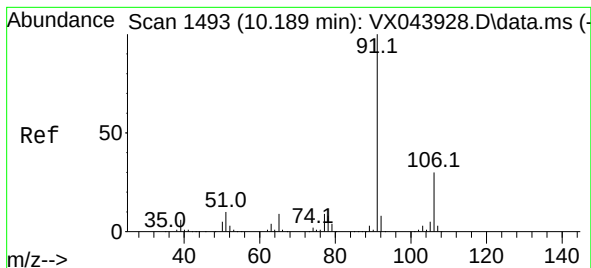


#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.848 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion:131 Resp: 32353  
Ion Ratio Lower Upper  
131 100  
133 96.2 48.2 144.6  
119 63.7 31.5 94.5







#67

Ethyl Benzene

Concen: 20.527 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

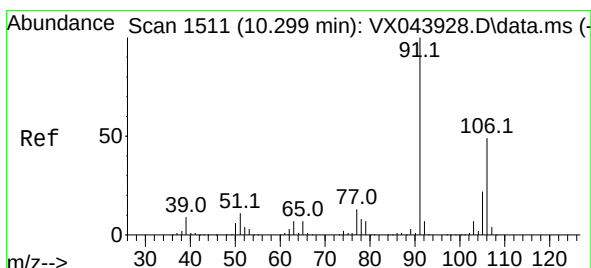
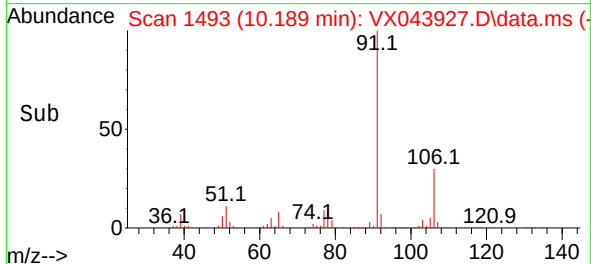
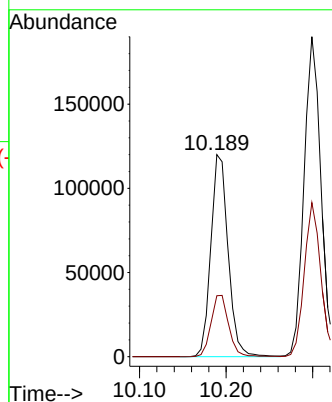
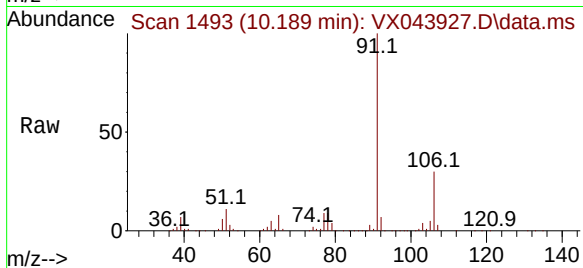
VSTDICC020

Tgt Ion: 91 Resp: 166435

Ion Ratio Lower Upper

91 100

106 30.1 23.6 35.4



#68

m/p-Xylenes

Concen: 40.565 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043927.D

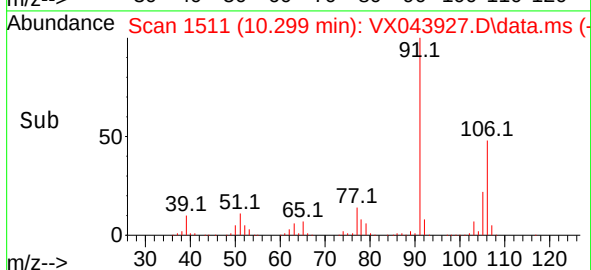
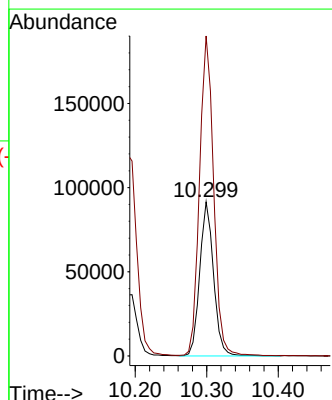
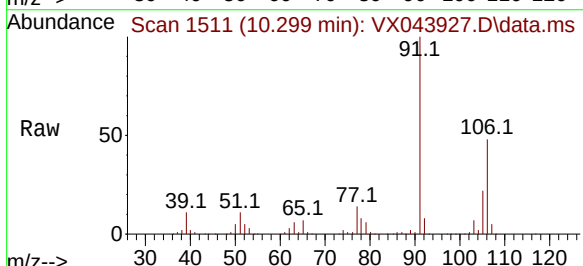
Acq: 21 Nov 2024 10:37

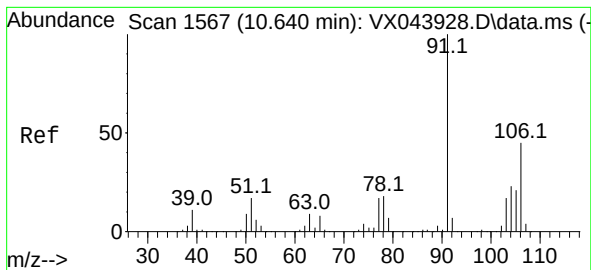
Tgt Ion:106 Resp: 122658

Ion Ratio Lower Upper

106 100

91 211.9 168.1 252.1

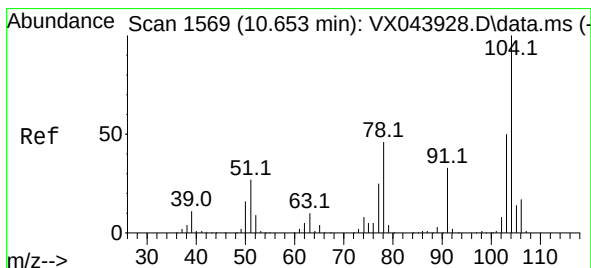
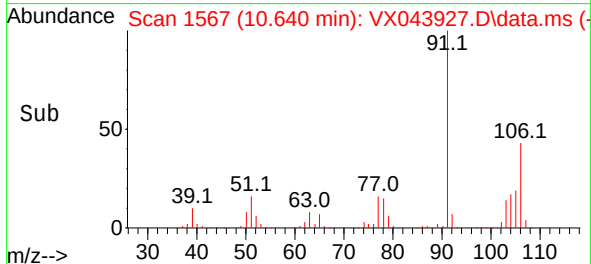
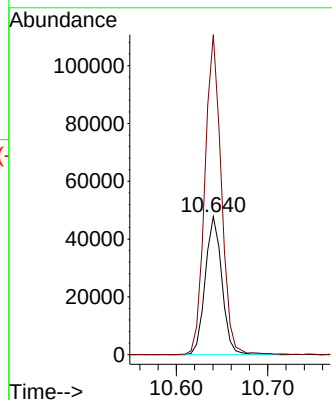
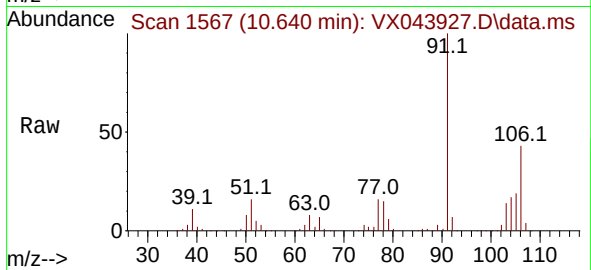




#69  
o-Xylene  
Concen: 20.409 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

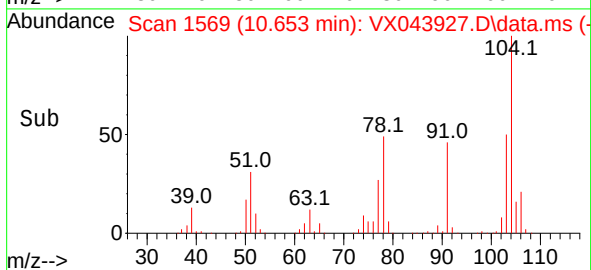
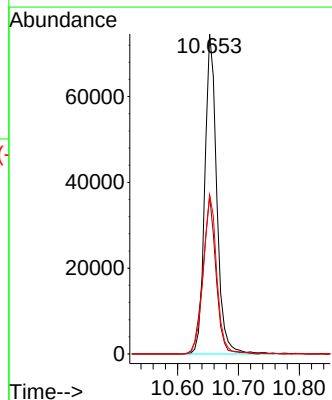
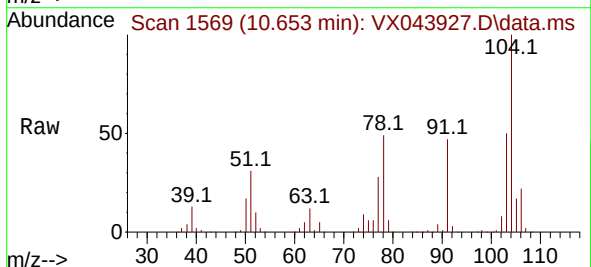
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

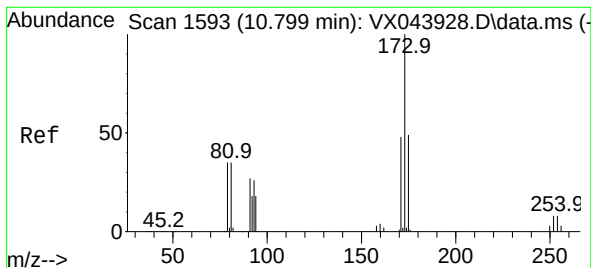
Tgt Ion:106 Resp: 60254  
Ion Ratio Lower Upper  
106 100  
91 229.5 110.2 330.6



#70  
Styrene  
Concen: 20.956 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion:104 Resp: 102329  
Ion Ratio Lower Upper  
104 100  
78 53.5 42.2 63.2  
103 55.5 44.7 67.1





#71

Bromoform

Concen: 17.792 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC020

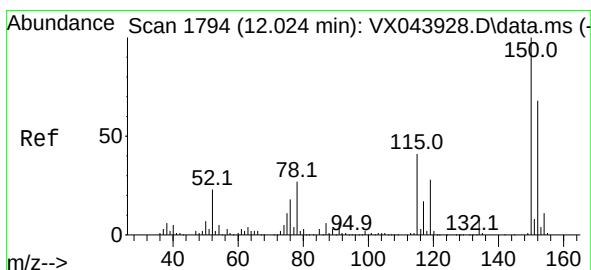
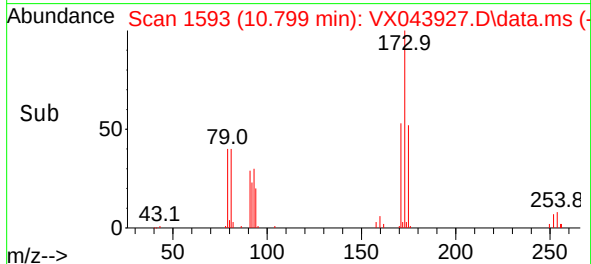
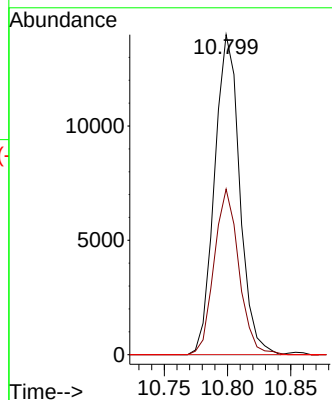
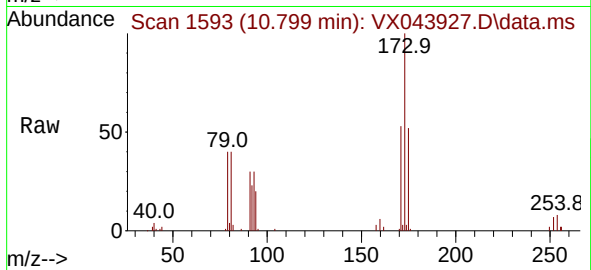
Tgt Ion:173 Resp: 19329

Ion Ratio Lower Upper

173 100

175 51.0 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

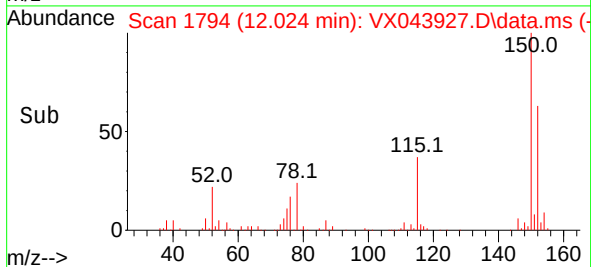
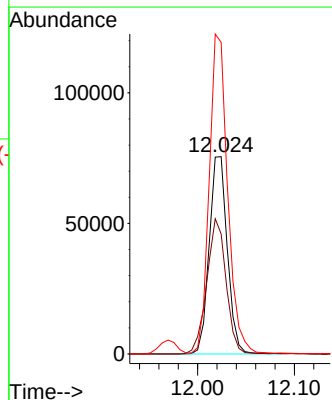
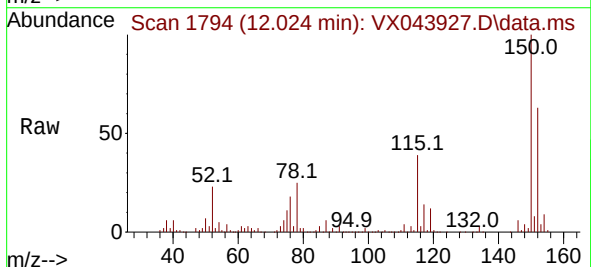
Tgt Ion:152 Resp: 98477

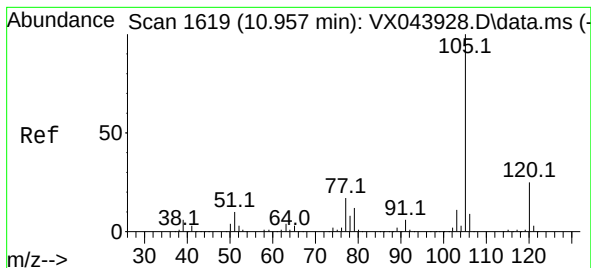
Ion Ratio Lower Upper

152 100

115 73.0 45.4 136.2

150 165.0 0.0 353.0





#73

Isopropylbenzene

Concen: 20.794 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

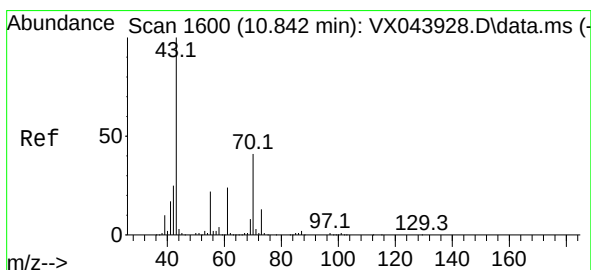
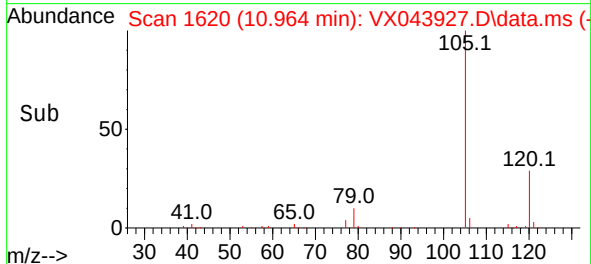
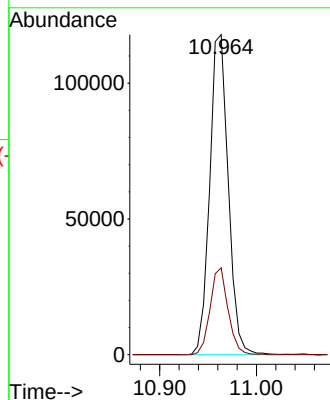
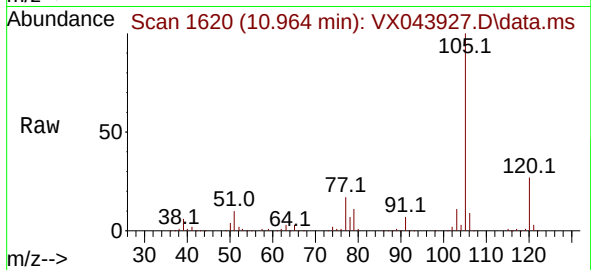
VSTDIC020

Tgt Ion:105 Resp: 157405

Ion Ratio Lower Upper

105 100

120 26.2 13.0 38.9



#74

N-ethyl acetate

Concen: 20.967 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Tgt Ion: 43 Resp: 73525

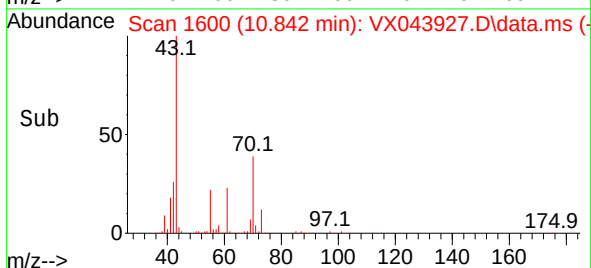
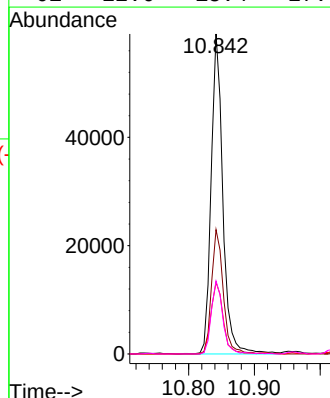
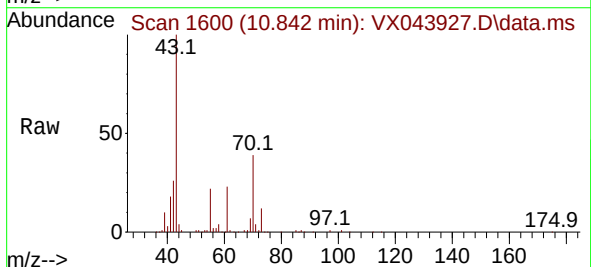
Ion Ratio Lower Upper

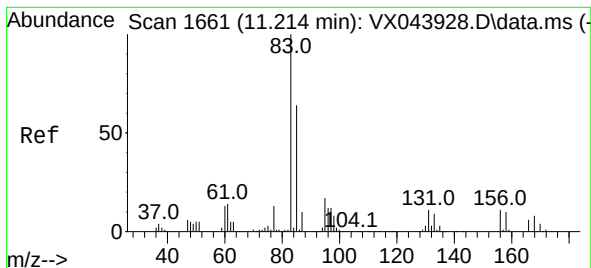
43 100

70 39.1 32.2 48.2

55 23.3 18.1 27.1

61 22.6 18.4 27.6

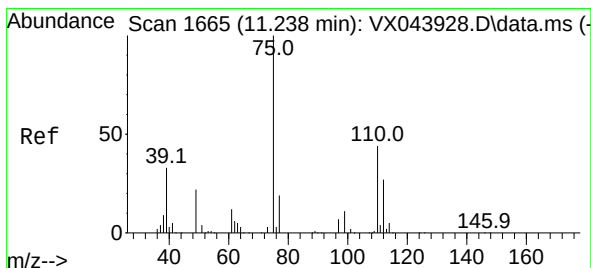
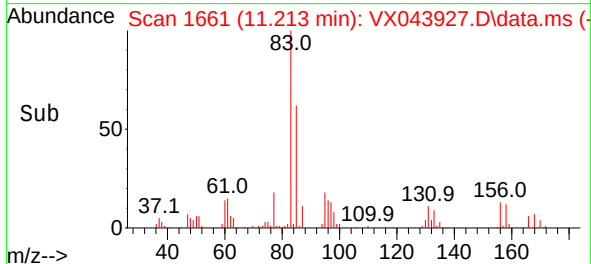
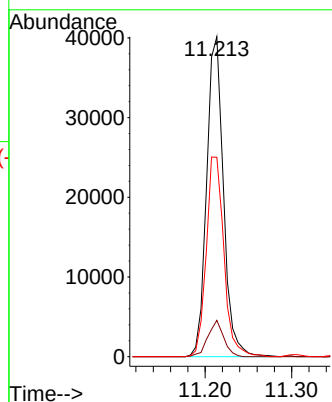
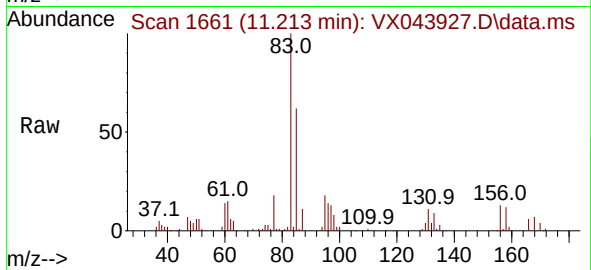




#75  
1,1,2,2-Tetrachloroethane  
Concen: 20.894 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

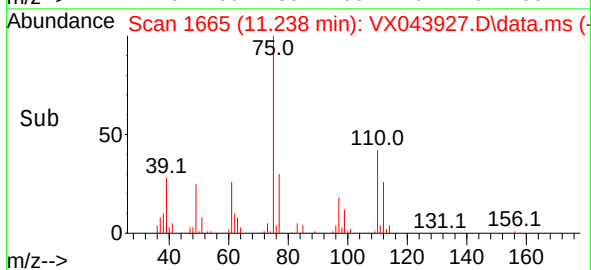
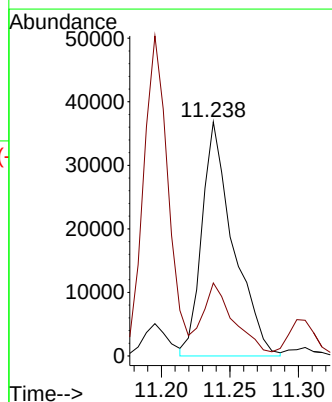
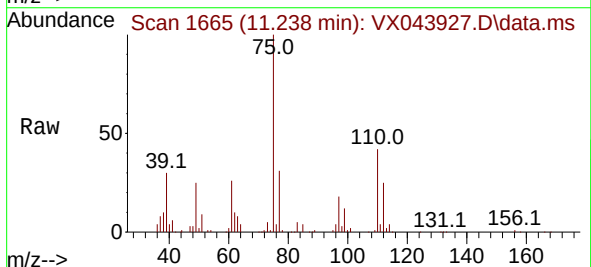
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

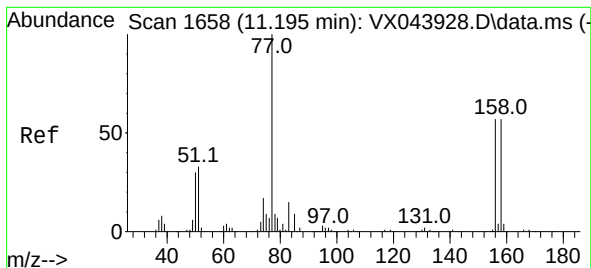
Tgt Ion: 83 Resp: 54158  
Ion Ratio Lower Upper  
83 100  
131 10.7 5.1 15.2  
85 65.7 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 27.659 ug/l  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 75 Resp: 58738  
Ion Ratio Lower Upper  
75 100  
77 31.6 21.8 65.3





#77

Bromobenzene

Concen: 20.839 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

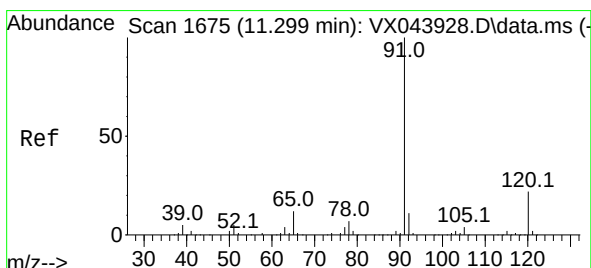
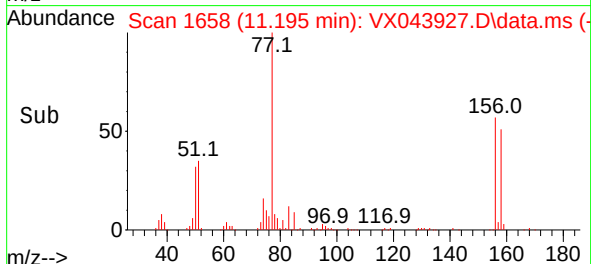
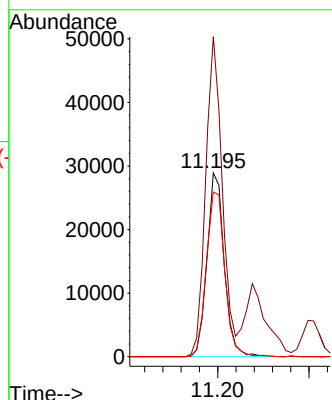
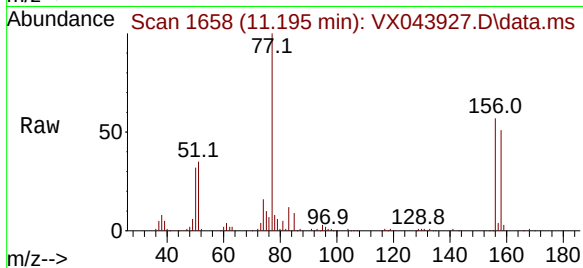
Tgt Ion:156 Resp: 37631

Ion Ratio Lower Upper

156 100

77 167.6 83.4 250.1

158 96.0 47.6 142.8



#78

n-propylbenzene

Concen: 20.821 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043927.D

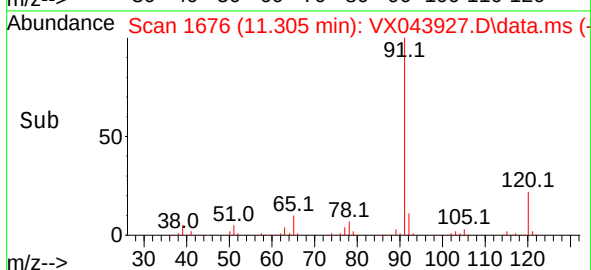
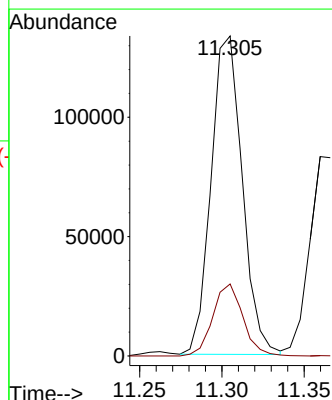
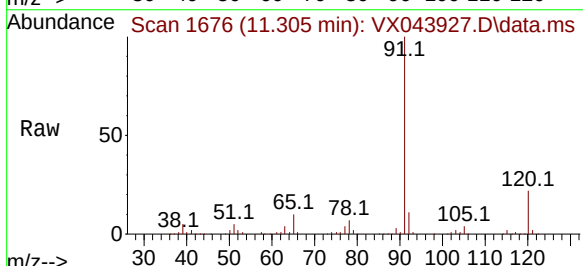
Acq: 21 Nov 2024 10:37

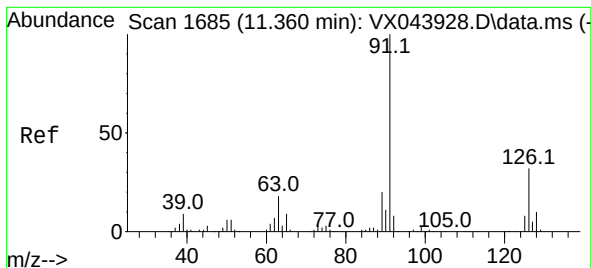
Tgt Ion: 91 Resp: 176034

Ion Ratio Lower Upper

91 100

120 21.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 21.134 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

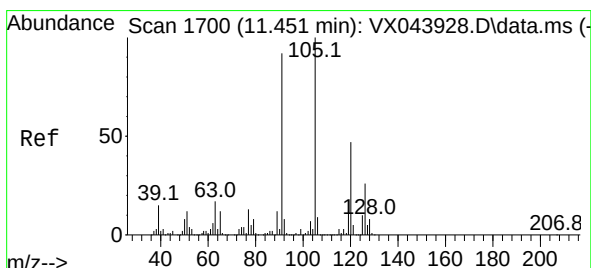
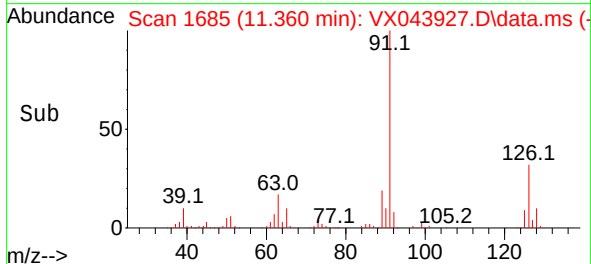
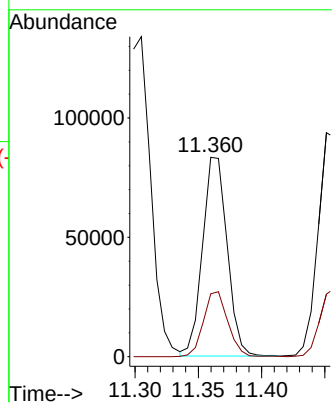
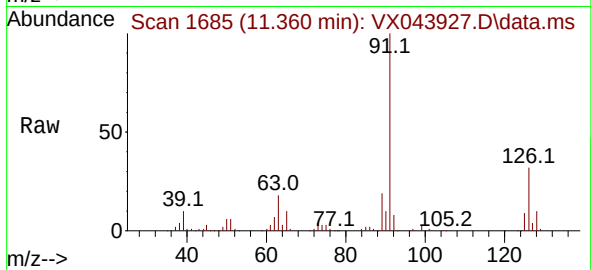
VSTDICC020

Tgt Ion: 91 Resp: 112986

Ion Ratio Lower Upper

91 100

126 32.4 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 21.202 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043927.D

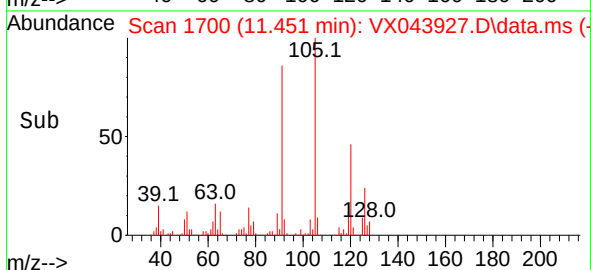
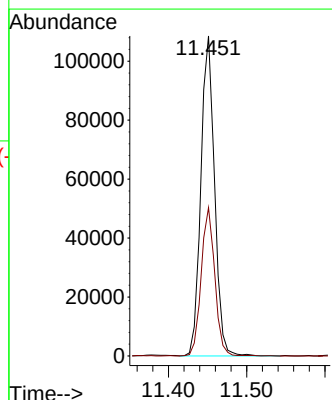
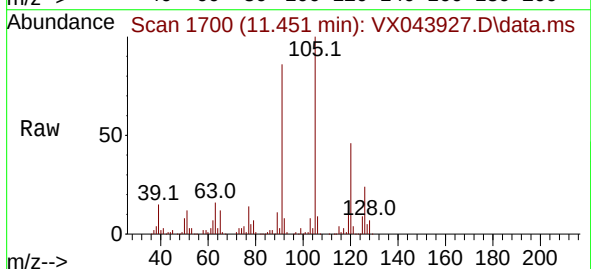
Acq: 21 Nov 2024 10:37

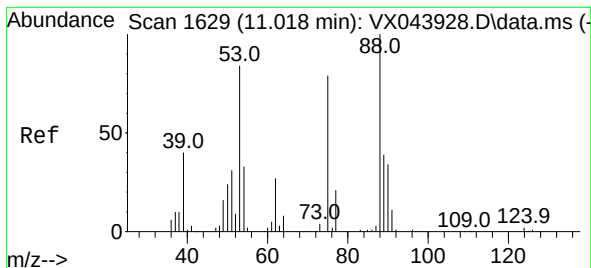
Tgt Ion:105 Resp: 132041

Ion Ratio Lower Upper

105 100

120 46.0 23.3 69.8

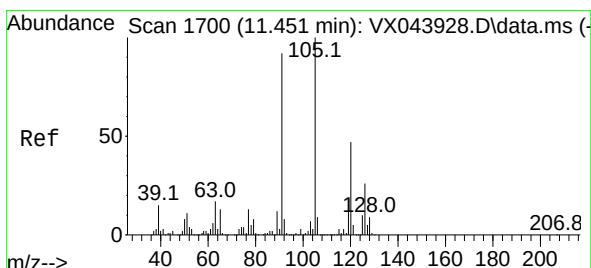
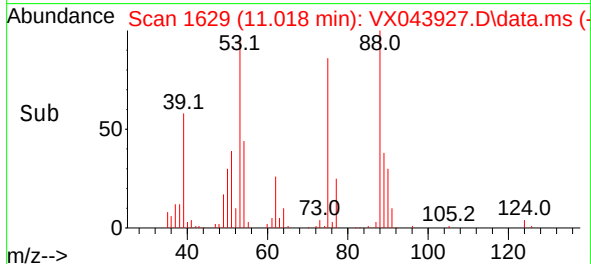
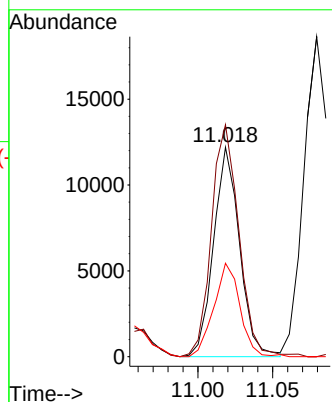
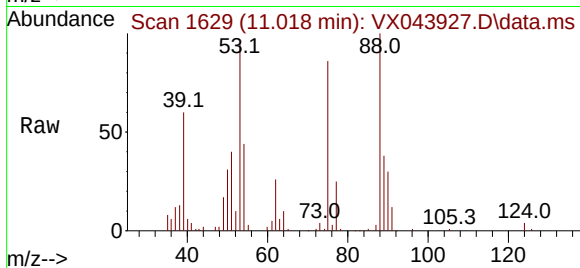




#81  
trans-1,4-Dichloro-2-butene  
Concen: 18.629 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

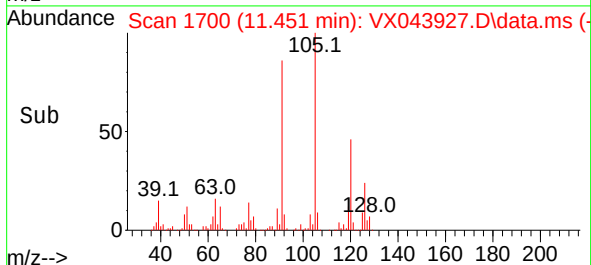
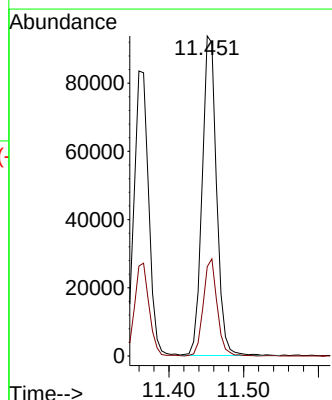
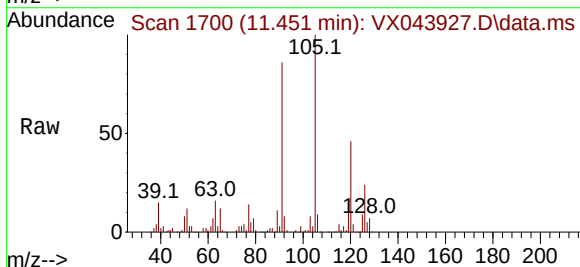
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

Tgt Ion: 75 Resp: 14743  
Ion Ratio Lower Upper  
75 100  
53 116.9 86.7 130.1  
89 44.8 38.2 57.2

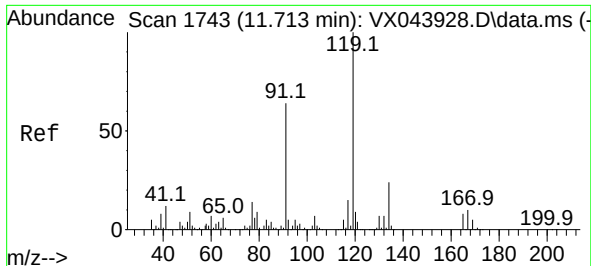


#82  
4-Chlorotoluene  
Concen: 20.797 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion: 91 Resp: 125521  
Ion Ratio Lower Upper  
91 100  
126 29.2 14.3 42.9



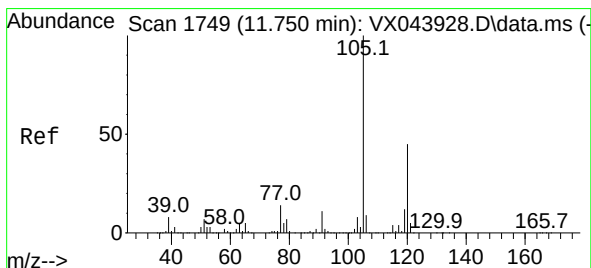
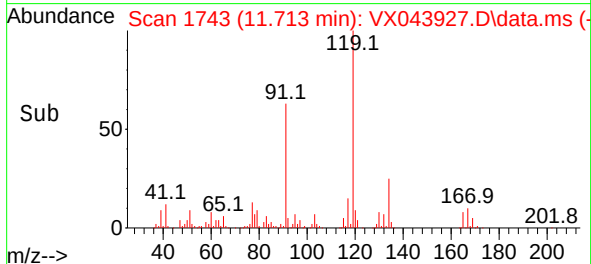
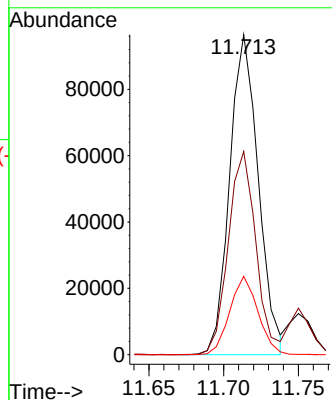
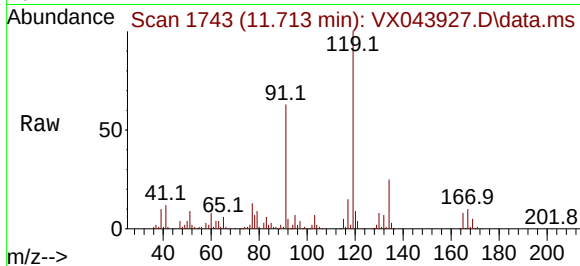




#83  
tert-Butylbenzene  
Concen: 20.839 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

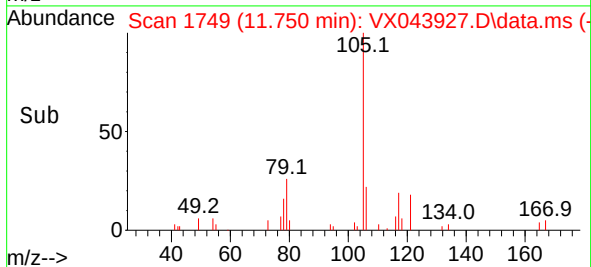
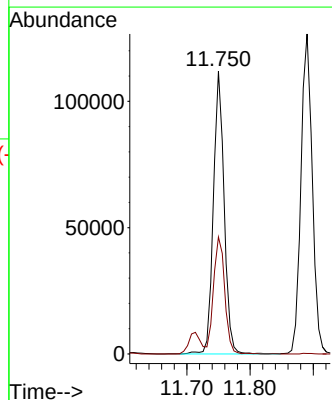
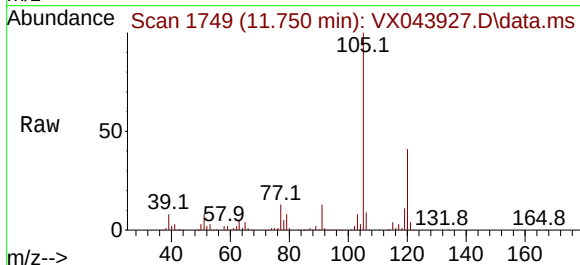
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

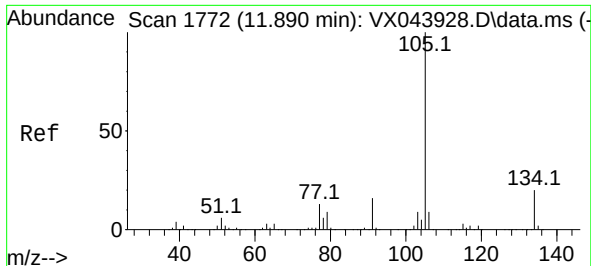
Tgt Ion:119 Resp: 128636  
Ion Ratio Lower Upper  
119 100  
91 61.4 31.0 93.0  
134 24.2 11.6 34.8



#84  
1,2,4-Trimethylbenzene  
Concen: 21.385 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion:105 Resp: 132595  
Ion Ratio Lower Upper  
105 100  
120 42.9 21.9 65.7





#85

sec-Butylbenzene

Concen: 20.668 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

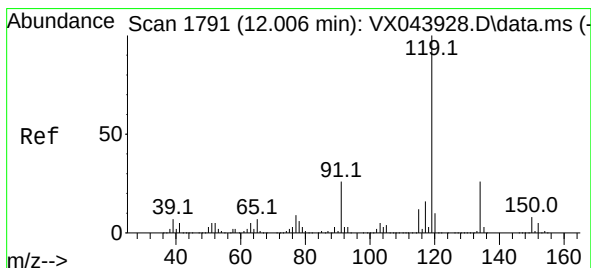
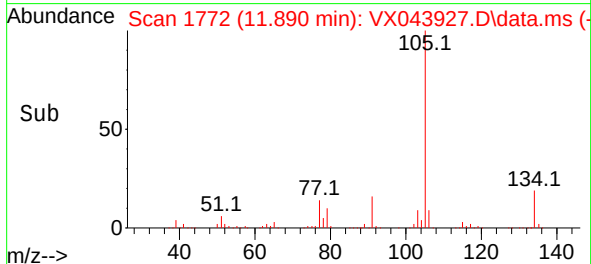
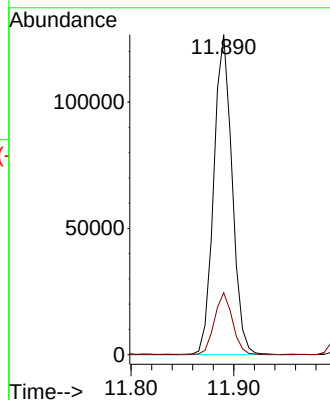
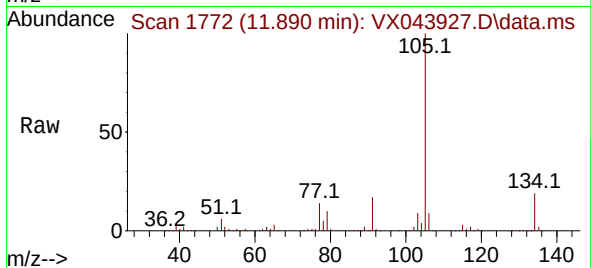
VSTDIC020

Tgt Ion:105 Resp: 156312

Ion Ratio Lower Upper

105 100

134 19.1 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.260 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

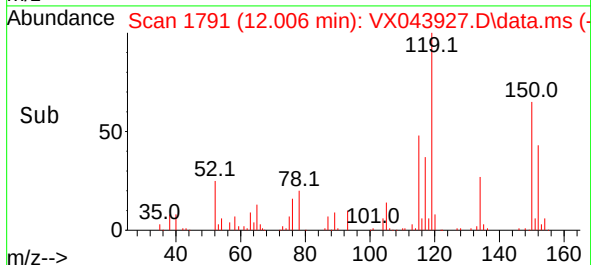
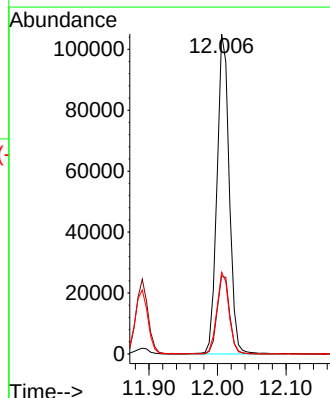
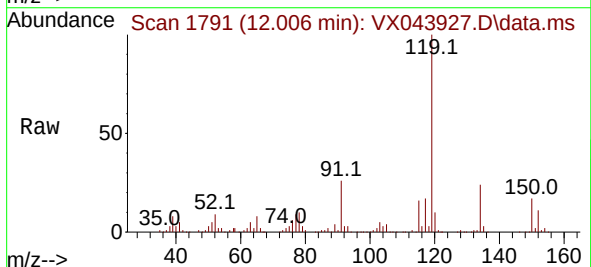
Tgt Ion:119 Resp: 130605

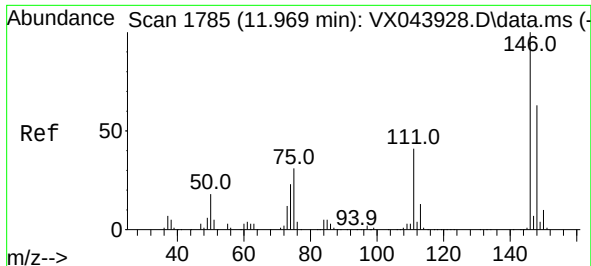
Ion Ratio Lower Upper

119 100

134 24.8 13.0 38.9

91 25.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 20.372 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

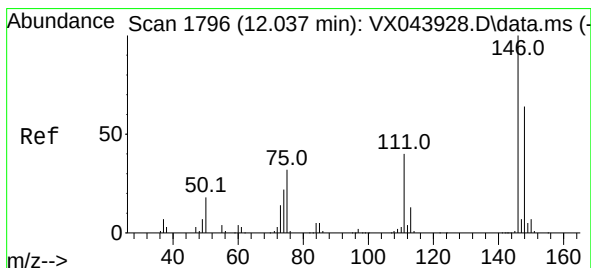
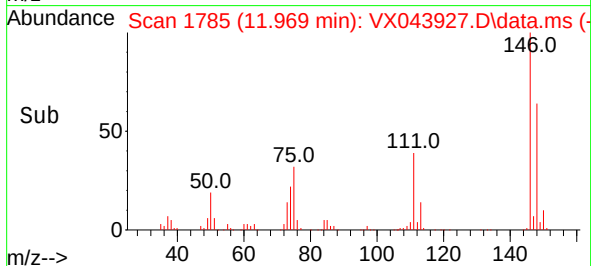
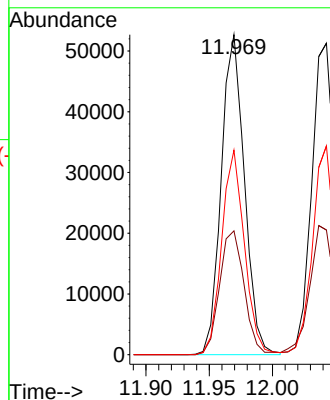
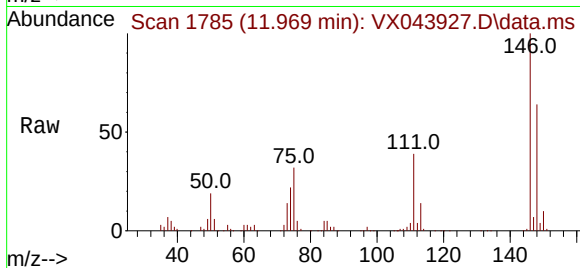
Tgt Ion:146 Resp: 67003

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.3

148 62.8 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 20.118 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

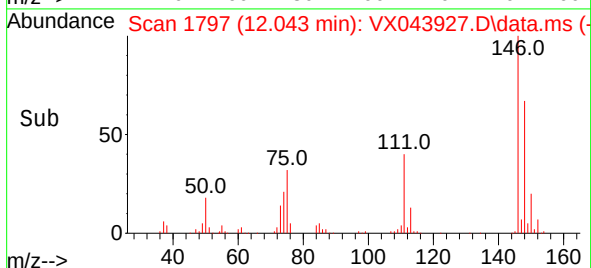
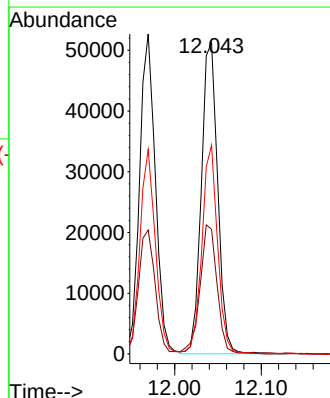
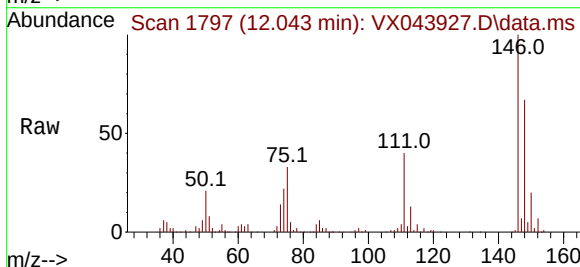
Tgt Ion:146 Resp: 67195

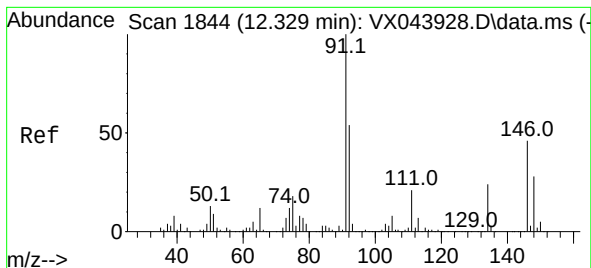
Ion Ratio Lower Upper

146 100

111 43.4 20.1 60.3

148 64.1 30.9 92.8





#89

n-Butylbenzene

Concen: 20.399 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

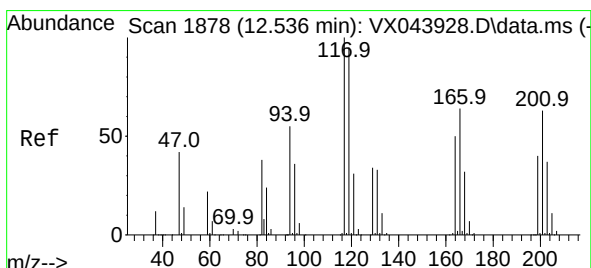
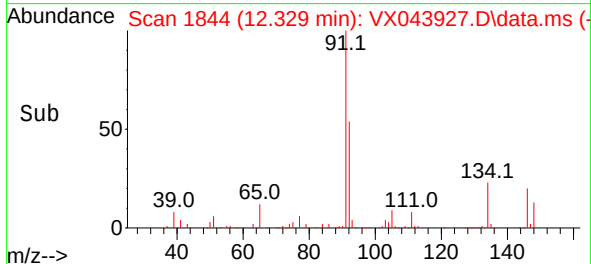
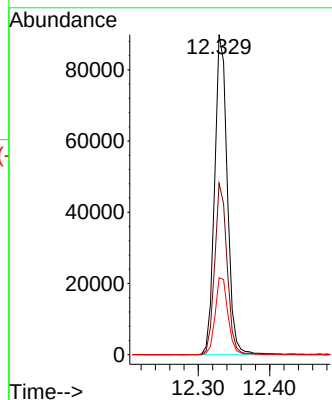
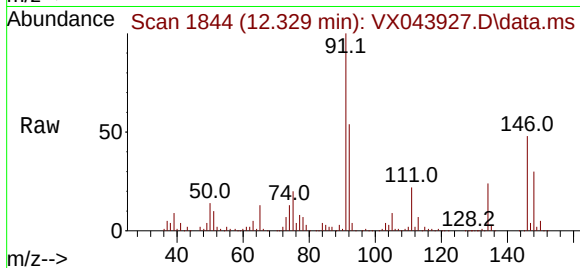
Tgt Ion: 91 Resp: 110491

Ion Ratio Lower Upper

91 100

92 52.3 26.6 79.8

134 24.4 12.4 37.2



#90

Hexachloroethane

Concen: 18.712 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043927.D

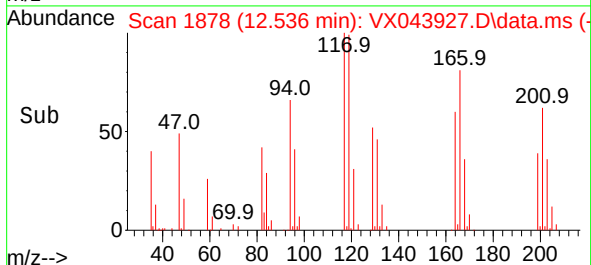
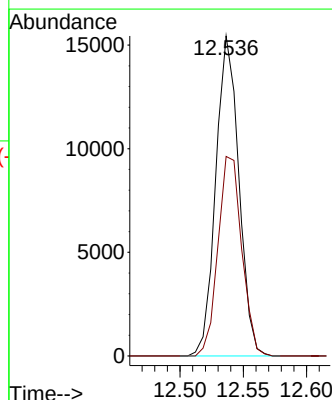
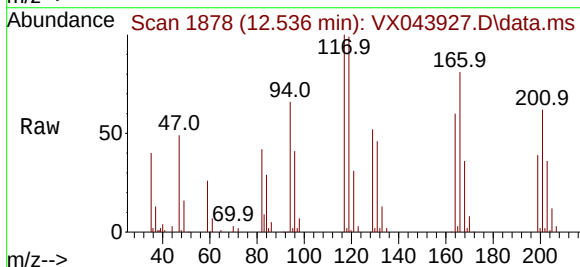
Acq: 21 Nov 2024 10:37

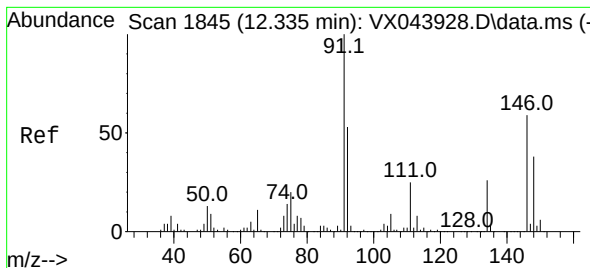
Tgt Ion: 117 Resp: 19547

Ion Ratio Lower Upper

117 100

201 64.5 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 20.443 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

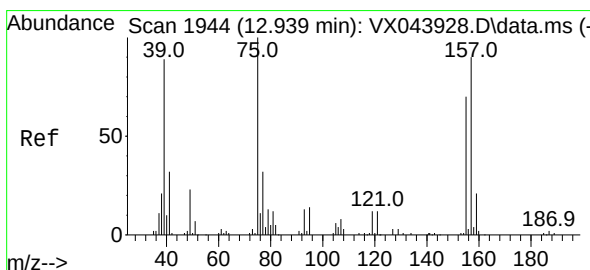
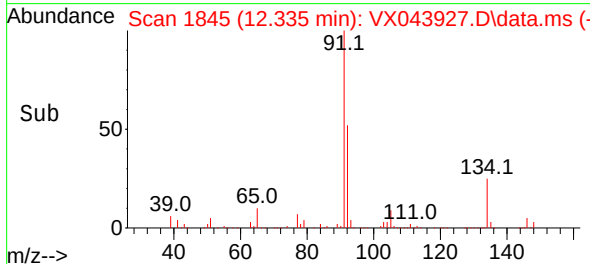
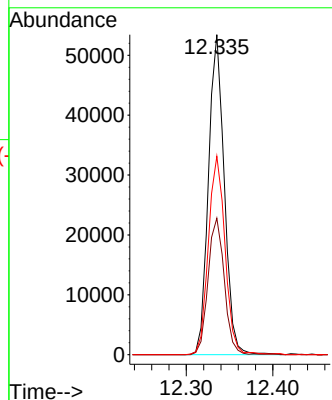
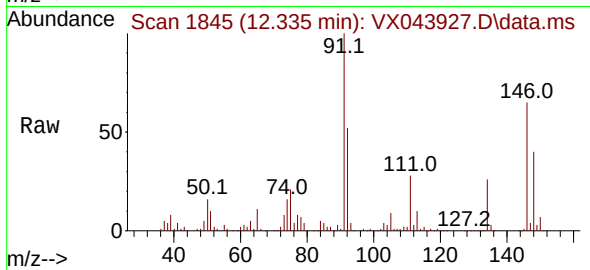
Tgt Ion:146 Resp: 67852

Ion Ratio Lower Upper

146 100

111 44.0 21.5 64.5

148 65.4 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.137 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

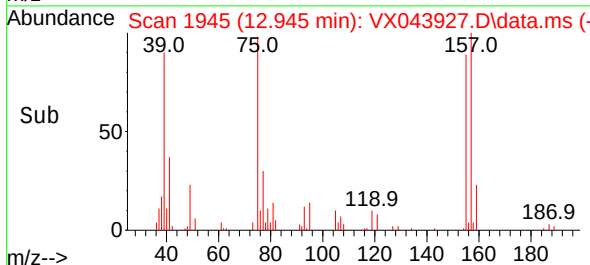
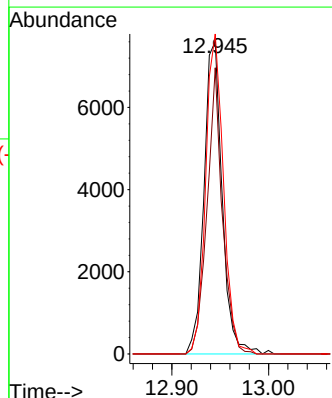
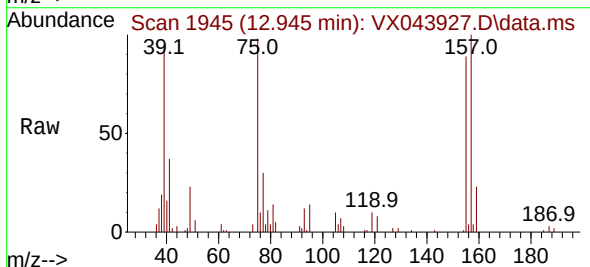
Tgt Ion: 75 Resp: 9939

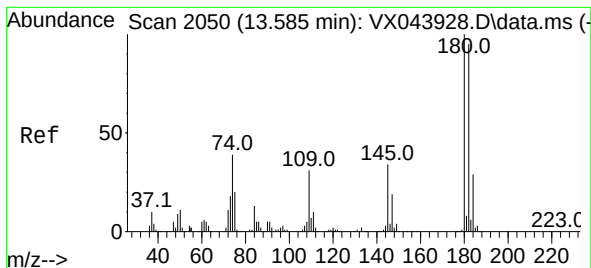
Ion Ratio Lower Upper

75 100

155 77.7 40.1 120.2

157 100.2 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 19.862 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC020

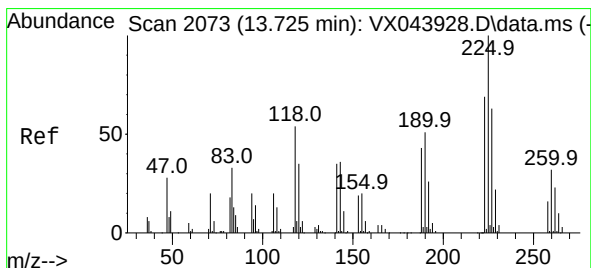
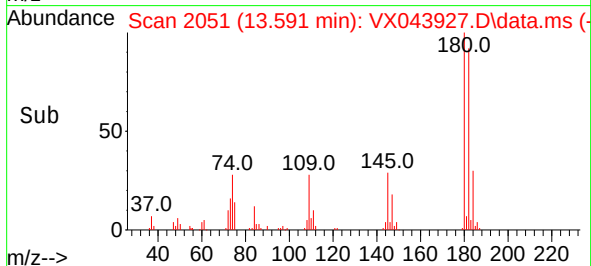
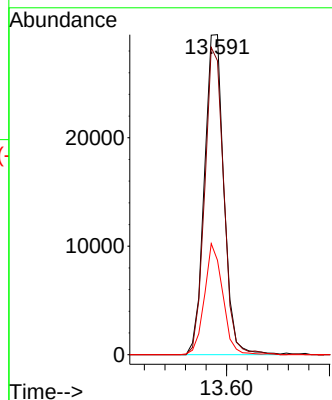
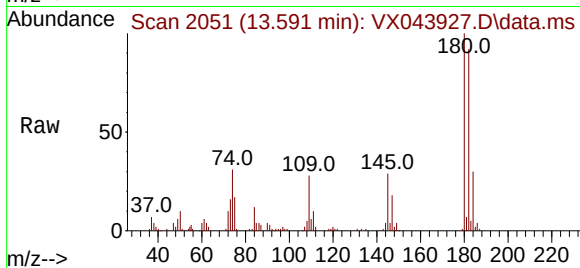
Tgt Ion:180 Resp: 38866

Ion Ratio Lower Upper

180 100

182 93.9 48.0 144.2

145 32.7 16.8 50.4



#94

Hexachlorobutadiene

Concen: 19.160 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043927.D

Acq: 21 Nov 2024 10:37

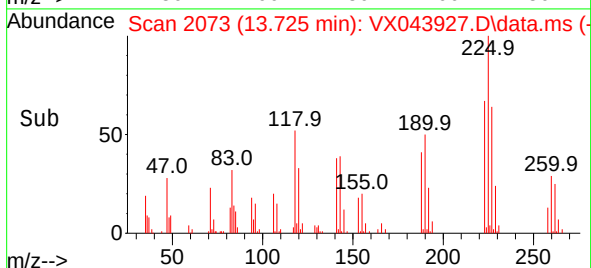
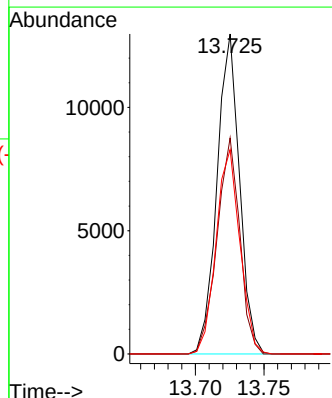
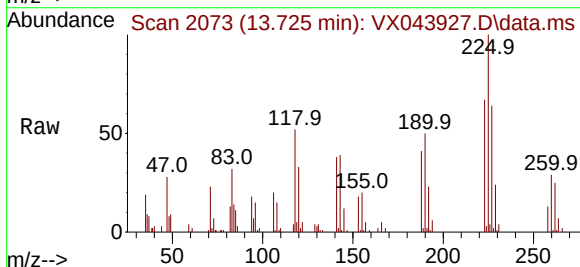
Tgt Ion:225 Resp: 14818

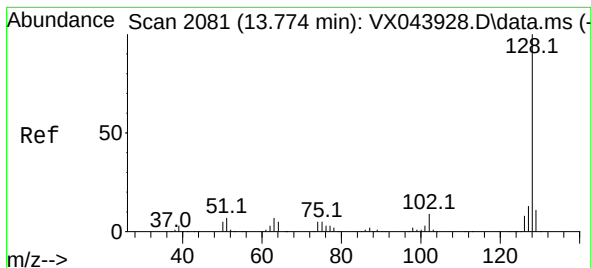
Ion Ratio Lower Upper

225 100

223 67.9 32.9 98.6

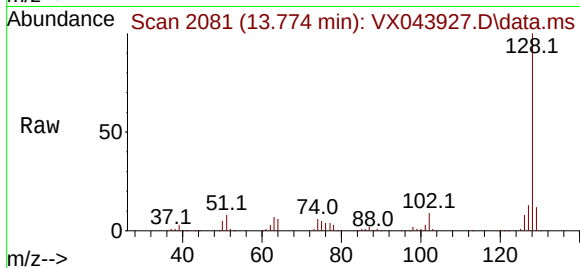
227 67.6 31.6 94.8



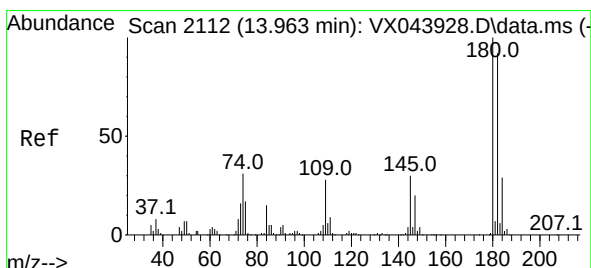
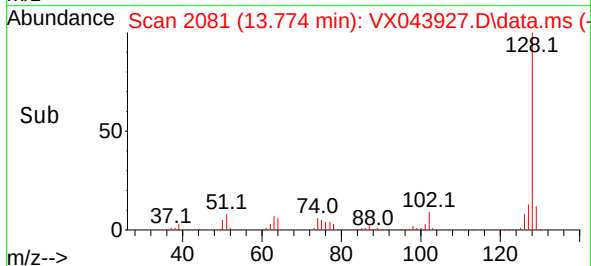
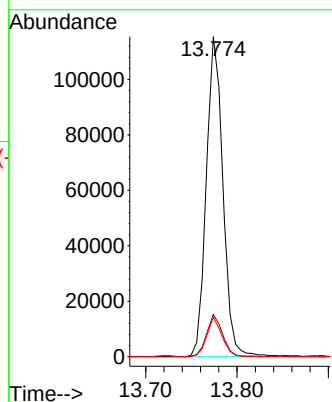


#95  
Naphthalene  
Concen: 20.681 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC020

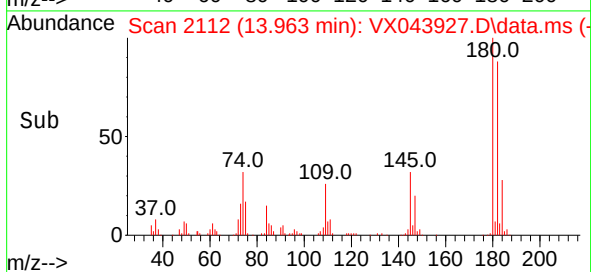
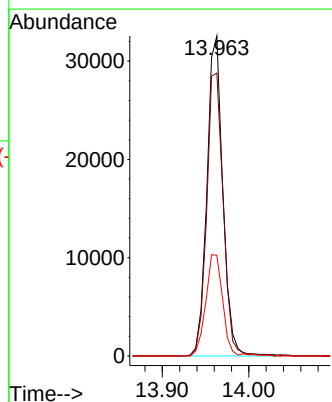
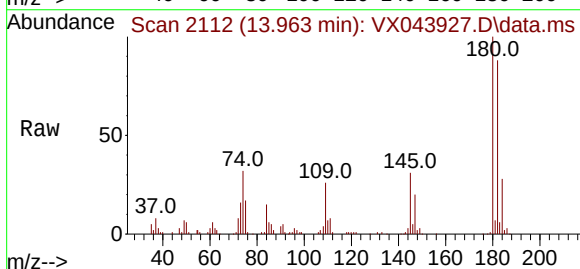


Tgt Ion:128 Resp: 145678  
Ion Ratio Lower Upper  
128 100  
127 12.6 10.2 15.2  
129 11.3 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 20.981 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX043927.D  
Acq: 21 Nov 2024 10:37

Tgt Ion:180 Resp: 41554  
Ion Ratio Lower Upper  
180 100  
182 91.6 45.6 136.8  
145 33.9 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043928.D  
 Acq On : 21 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Nov 22 03:30:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 138578   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 241629   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 212243   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 100316   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 104086   | 43.792   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 87.580% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 78954    | 45.729   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 91.460% |
| 50) Toluene-d8              | 8.641  | 98    | 266650   | 44.803   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 89.600% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 93510    | 46.166   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 92.340% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 94790   | 53.994  | ug/l   | 100 |
| 3) Chloromethane             | 1.295 | 50  | 96646   | 52.315  | ug/l   | 100 |
| 4) Vinyl Chloride            | 1.374 | 62  | 105586  | 53.734  | ug/l   | 100 |
| 5) Bromomethane              | 1.593 | 94  | 61728   | 51.065  | ug/l   | 100 |
| 6) Chloroethane              | 1.660 | 64  | 63580   | 53.102  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 188045  | 53.527  | ug/l   | 100 |
| 8) Diethyl Ether             | 2.130 | 74  | 65665   | 51.283  | ug/l   | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 91167   | 54.404  | ug/l   | 100 |
| 10) Methyl Iodide            | 2.441 | 142 | 112083  | 53.554  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 2.995 | 59  | 100130  | 262.460 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 83087   | 52.033  | ug/l   | 100 |
| 13) Acrolein                 | 2.233 | 56  | 100647  | 250.289 | ug/l   | 100 |
| 14) Allyl chloride           | 2.654 | 41  | 144663  | 55.443  | ug/l   | 100 |
| 15) Acrylonitrile            | 3.063 | 53  | 256493  | 275.887 | ug/l   | 100 |
| 16) Acetone                  | 2.380 | 43  | 294611  | 269.872 | ug/l   | 100 |
| 17) Carbon Disulfide         | 2.502 | 76  | 178294  | 54.130  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.703 | 43  | 136735  | 53.785  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 313754  | 54.114  | ug/l   | 100 |
| 20) Methylene Chloride       | 2.782 | 84  | 92475   | 49.918  | ug/l   | 100 |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 87752   | 53.227  | ug/l   | 100 |
| 22) Diisopropyl ether        | 3.758 | 45  | 299631  | 53.704  | ug/l   | 100 |
| 23) Vinyl Acetate            | 3.715 | 43  | 1344870 | 281.781 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 174008  | 54.063  | ug/l   | 100 |
| 25) 2-Butanone               | 4.556 | 43  | 392575  | 278.700 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 158151  | 54.407  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 109742  | 53.852  | ug/l   | 100 |
| 28) Bromochloromethane       | 4.885 | 49  | 62386   | 44.034  | ug/l   | 100 |
| 29) Tetrahydrofuran          | 5.001 | 42  | 234208  | 271.213 | ug/l   | 100 |
| 30) Chloroform               | 5.080 | 83  | 182404  | 52.691  | ug/l   | 100 |
| 31) Cyclohexane              | 5.458 | 56  | 144224  | 54.443  | ug/l   | 100 |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 164023  | 54.944  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 5.678 | 75  | 119269  | 55.435  | ug/l   | 100 |
| 37) Ethyl Acetate            | 4.709 | 43  | 147393  | 55.189  | ug/l   | 100 |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 134725  | 55.729  | ug/l   | 100 |
| 39) Methylcyclohexane        | 7.373 | 83  | 158586  | 56.738  | ug/l   | 100 |
| 40) Benzene                  | 6.025 | 78  | 360978  | 53.863  | ug/l   | 100 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043928.D  
 Acq On : 21 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Quant Time: Nov 22 03:30:34 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 79507    | 58.165  | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 145681   | 54.125  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 235856   | 55.492  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 90015    | 47.447  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.422  | 63   | 89529    | 54.543  | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 70679    | 54.434  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 131365   | 56.411  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.690  | 41   | 112803   | 55.310  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.659  | 88   | 33402    | 949.925 | ug/l   | 88       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 732582   | 282.442 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 222500   | 55.469  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 137451   | 57.881  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 147638   | 56.712  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 89441    | 54.016  | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 148281   | 57.494  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 151124   | 54.180  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 371281   | 262.805 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 568460   | 291.589 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 95641    | 57.569  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 92940    | 55.510  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 74157    | 52.988  | ug/l   | 100      |
| 65) Chlorobenzene             | 10.080 | 112  | 243080   | 52.147  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 83934    | 55.520  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.189 | 91   | 429559   | 54.383  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 323661   | 109.878 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 160643   | 55.856  | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 268004   | 56.341  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 60267    | 52.275  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.957 | 105  | 411000   | 53.299  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 200195   | 56.042  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 139756   | 52.930  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 157199   | 72.666  | ug/l   | 83       |
| 77) Bromobenzene              | 11.195 | 156  | 97761    | 53.145  | ug/l   | 100      |
| 78) n-propylbenzene           | 11.299 | 91   | 474802   | 55.131  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 286649   | 52.636  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 345531   | 54.465  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 44450    | 55.136  | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 333946   | 54.315  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 345112   | 54.884  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 345112   | 54.640  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 426284   | 55.331  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 353256   | 56.448  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 176936   | 52.812  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 178728   | 52.530  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 319448   | 57.897  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 59010    | 55.453  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 177334   | 52.449  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 28467    | 53.806  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 108749   | 54.556  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 41267    | 52.382  | ug/l   | 100      |
| 95) Naphthalene               | 13.774 | 128  | 401752   | 55.990  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 112162   | 55.593  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043928.D  
Acq On : 21 Nov 2024 11:17  
Operator : JC/MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

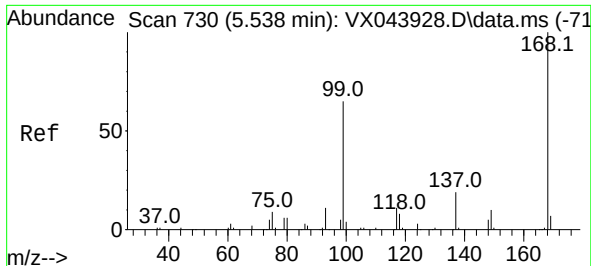
Quant Time: Nov 22 03:30:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

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

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

Quant Time: Nov 22 03:30:34 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSV0A\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

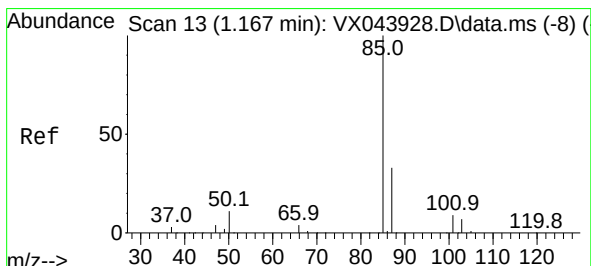
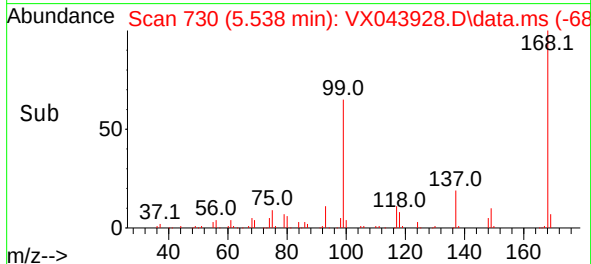
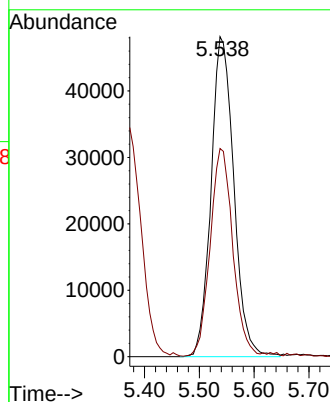
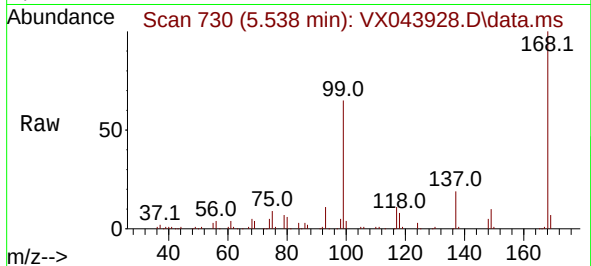




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 730  
Delta R.T. -0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

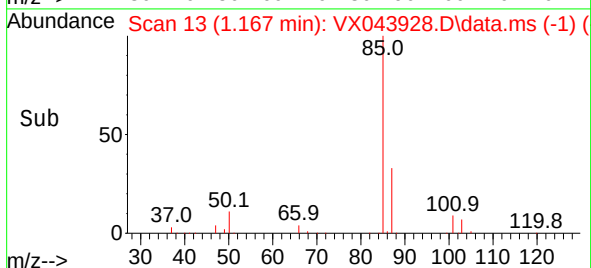
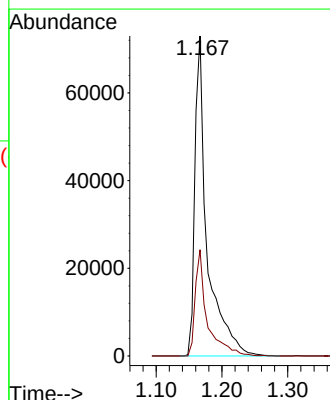
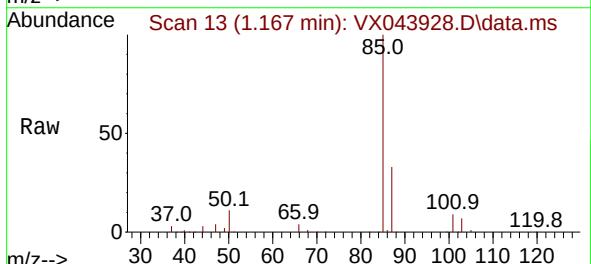
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

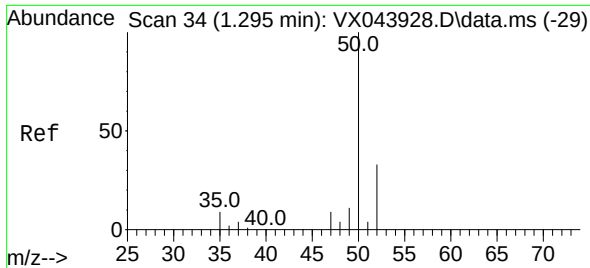
Tgt Ion:168 Resp: 138578  
Ion Ratio Lower Upper  
168 100  
99 64.8 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 53.994 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 85 Resp: 94790  
Ion Ratio Lower Upper  
85 100  
87 33.2 16.6 49.8

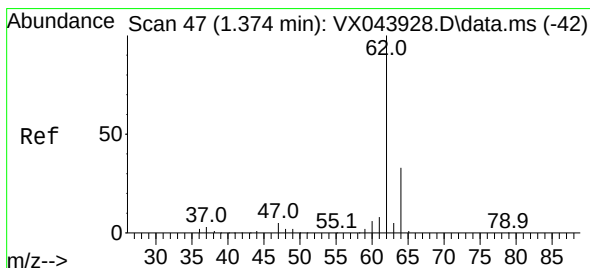
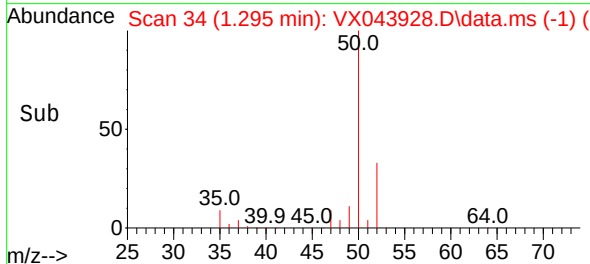
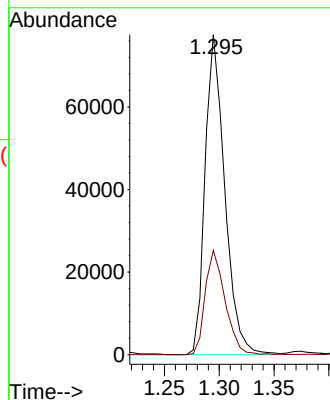
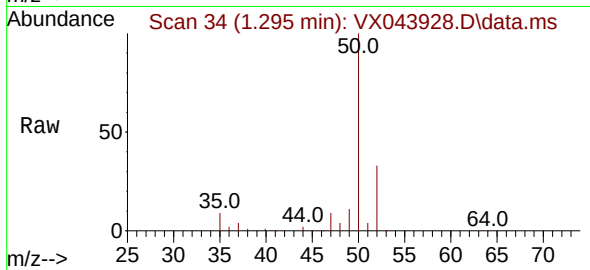




#3  
Chloromethane  
Concen: 52.315 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

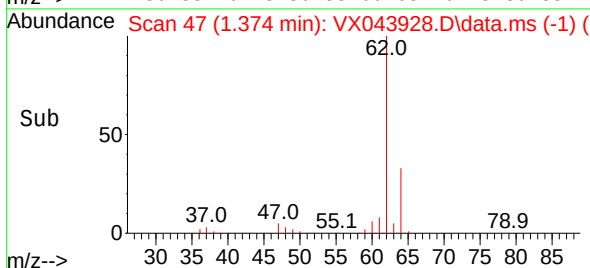
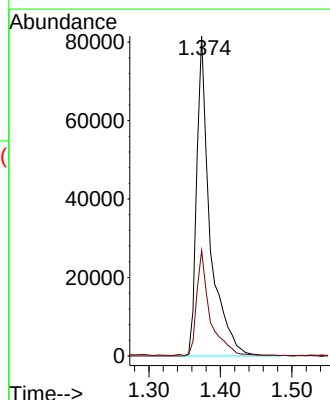
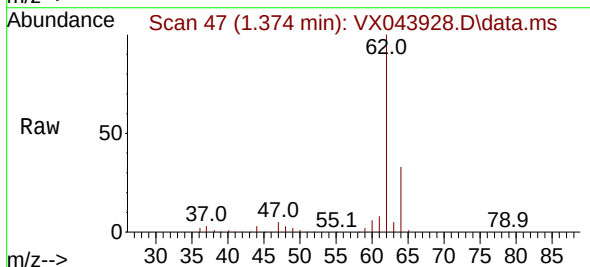
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

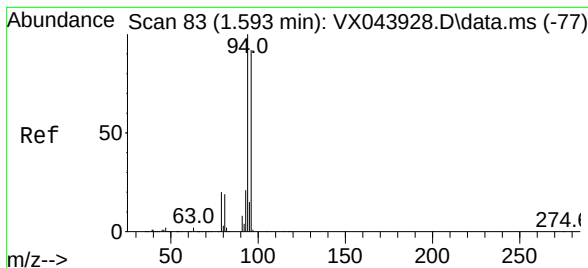
Tgt Ion: 50 Resp: 96646  
Ion Ratio Lower Upper  
50 100  
52 32.6 26.1 39.1



#4  
Vinyl Chloride  
Concen: 53.734 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 62 Resp: 105586  
Ion Ratio Lower Upper  
62 100  
64 32.8 26.2 39.4





#5

Bromomethane

Concen: 51.065 ug/l

RT: 1.593 min Scan# 83

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

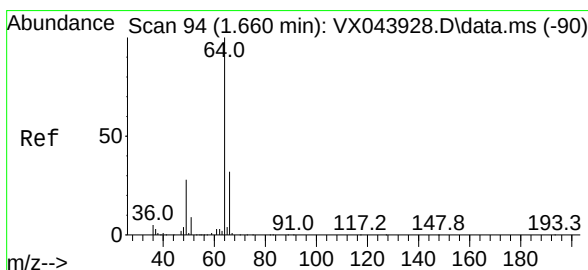
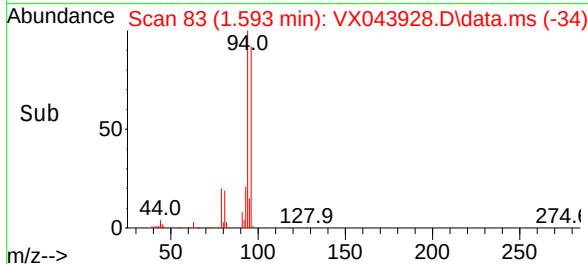
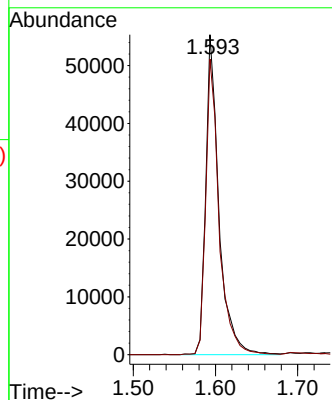
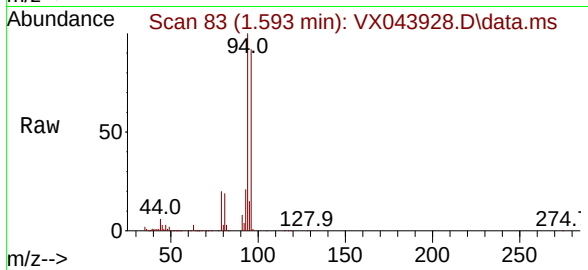
VSTDICCC050

Tgt Ion: 94 Resp: 61728

Ion Ratio Lower Upper

94 100

96 92.4 73.9 110.9



#6

Chloroethane

Concen: 53.102 ug/l

RT: 1.660 min Scan# 94

Delta R.T. 0.000 min

Lab File: VX043928.D

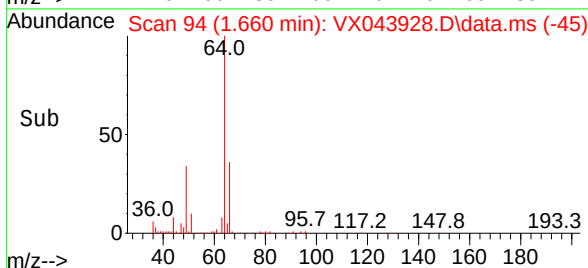
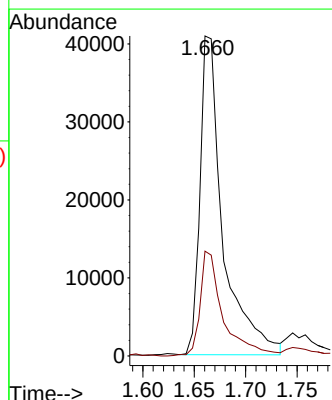
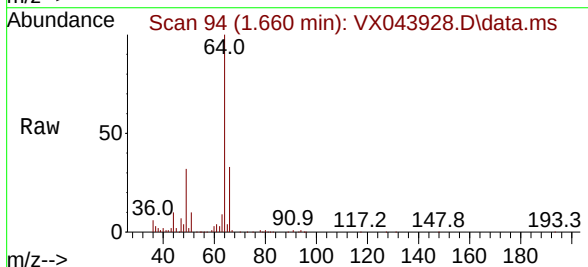
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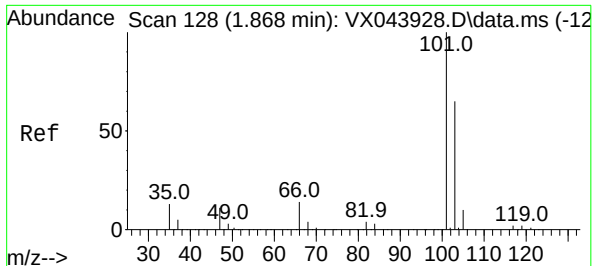
Tgt Ion: 64 Resp: 63580

Ion Ratio Lower Upper

64 100

66 32.4 25.9 38.9

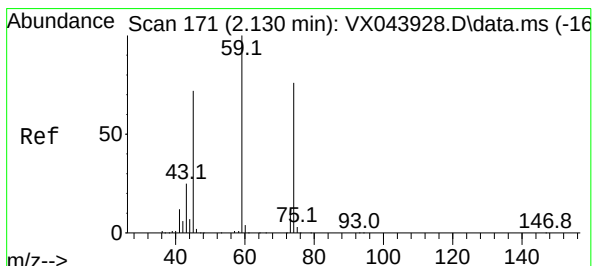
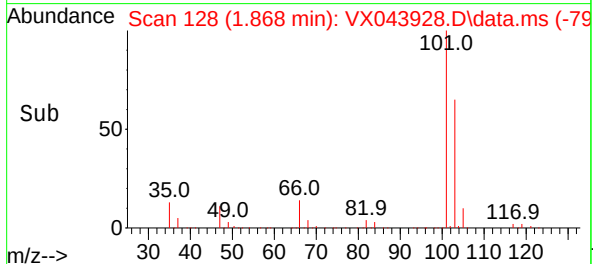
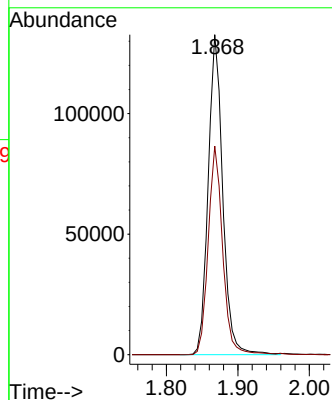
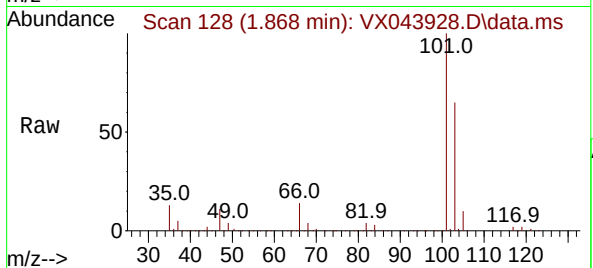




#7  
 Trichlorofluoromethane  
 Concen: 53.527 ug/l  
 RT: 1.868 min Scan# 128  
 Delta R.T. 0.000 min  
 Lab File: VX043928.D  
 Acq: 21 Nov 2024 11:17

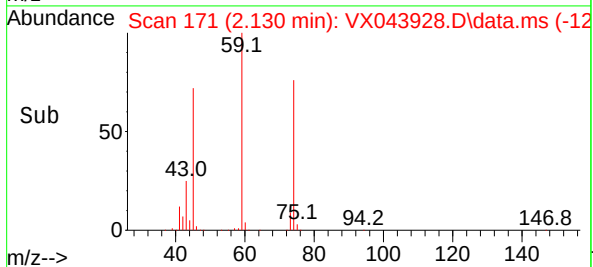
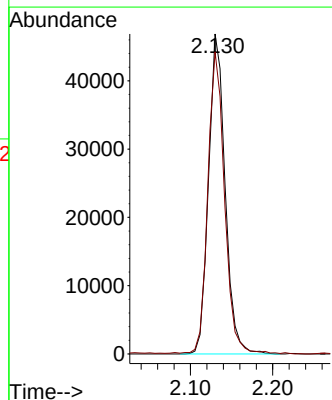
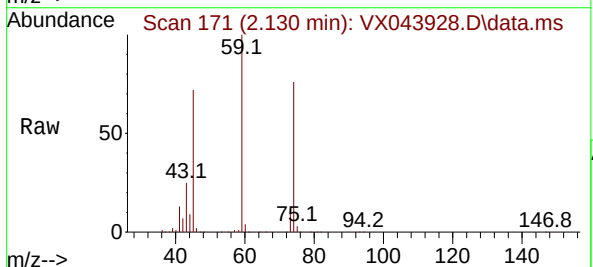
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 ClientSampleId :  
 VSTDICCC050

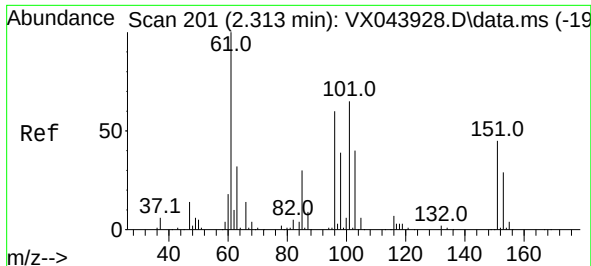
Tgt Ion:101 Resp: 188045  
 Ion Ratio Lower Upper  
 101 100  
 103 65.2 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 51.283 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. 0.000 min  
 Lab File: VX043928.D  
 Acq: 21 Nov 2024 11:17

Tgt Ion: 74 Resp: 65665  
 Ion Ratio Lower Upper  
 74 100  
 45 95.7 47.9 143.6

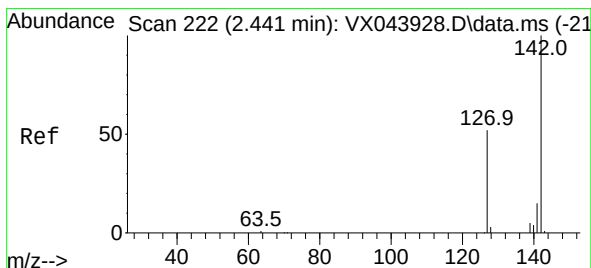
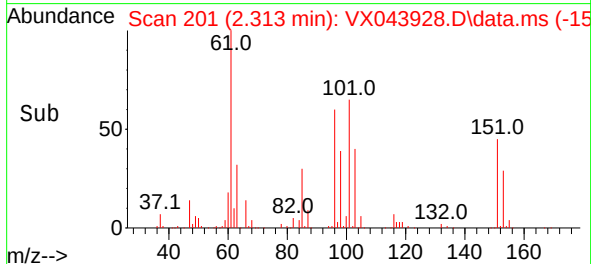
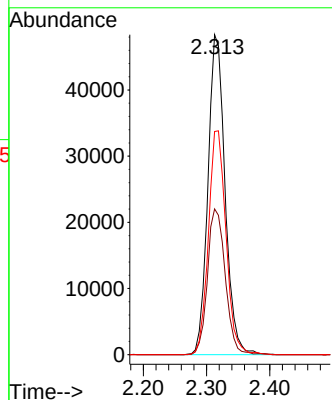
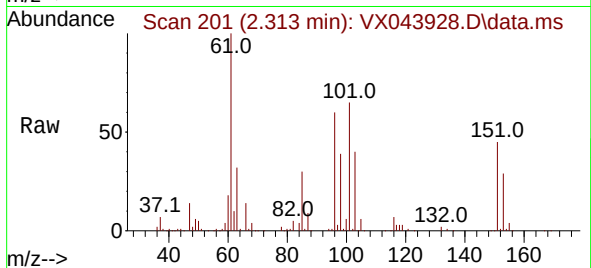




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 54.404 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

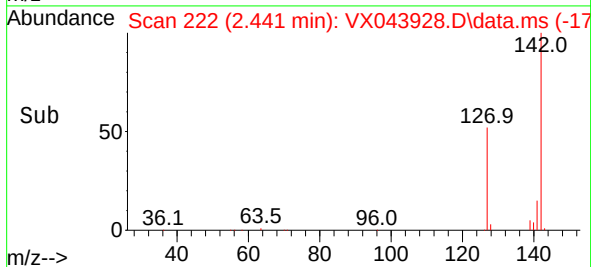
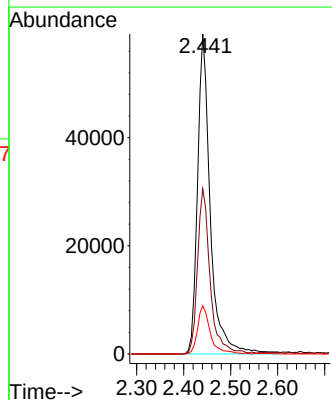
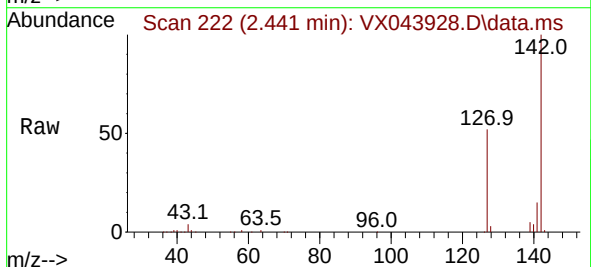
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion:101 Resp: 91167  
Ion Ratio Lower Upper  
101 100  
85 47.4 37.9 56.9  
151 71.9 57.5 86.3

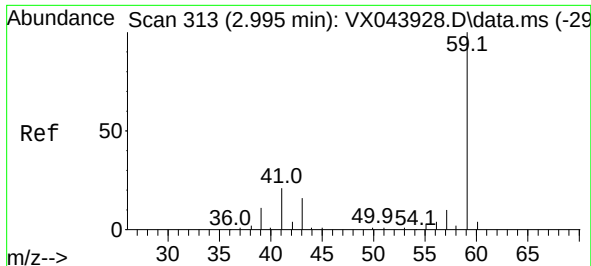


#10  
Methyl Iodide  
Concen: 53.554 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion:142 Resp: 112083  
Ion Ratio Lower Upper  
142 100  
127 50.9 40.7 61.1  
141 15.0 12.0 18.0



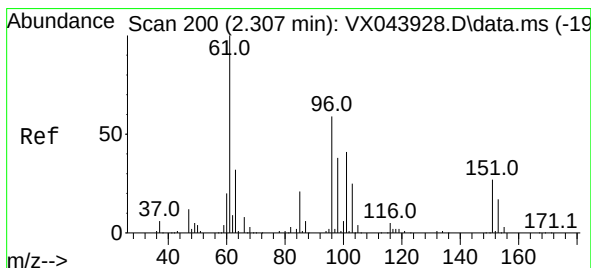
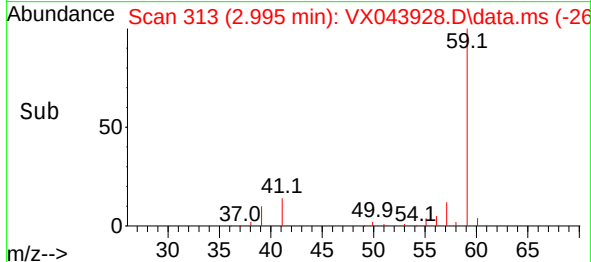
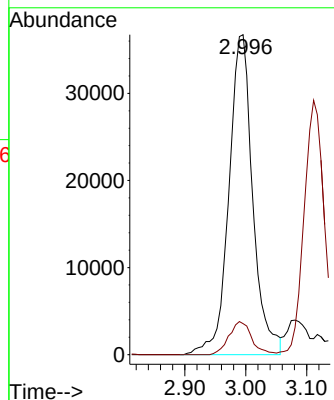
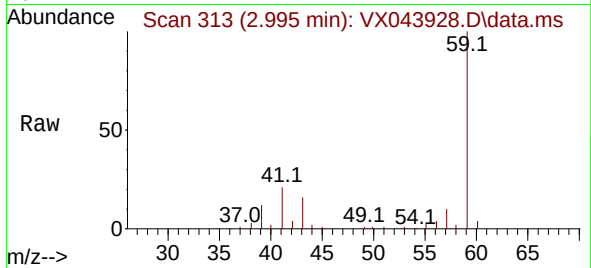




#11  
Tert butyl alcohol  
Concen: 262.460 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

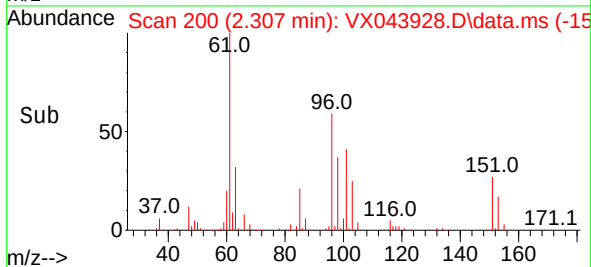
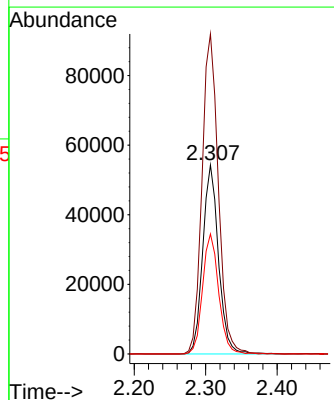
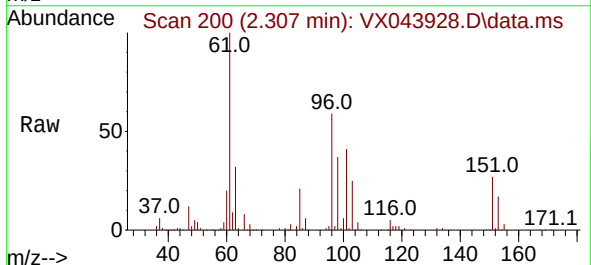
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

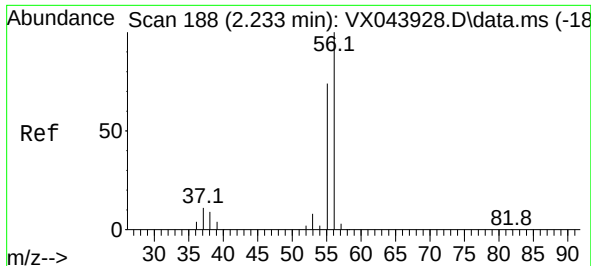
Tgt Ion: 59 Resp: 100130  
Ion Ratio Lower Upper  
59 100  
57 9.9 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 52.033 ug/l  
RT: 2.307 min Scan# 200  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 96 Resp: 83087  
Ion Ratio Lower Upper  
96 100  
61 169.4 135.5 203.3  
98 63.5 50.8 76.2

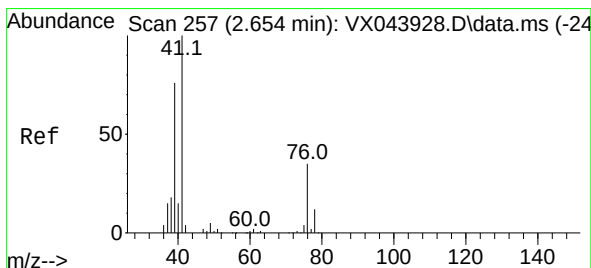
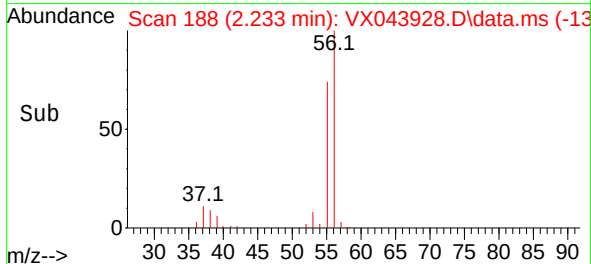
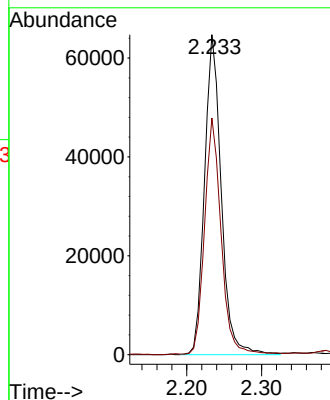
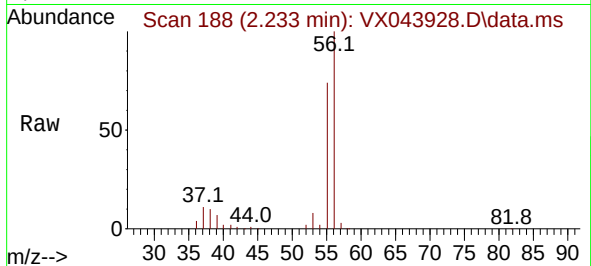




#13  
Acrolein  
Concen: 250.289 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

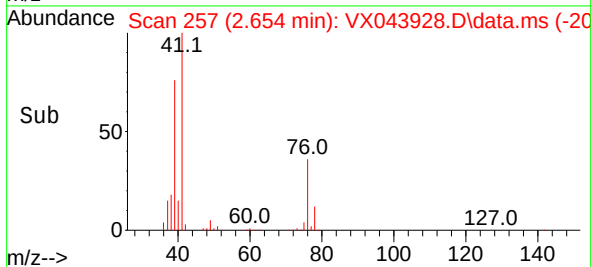
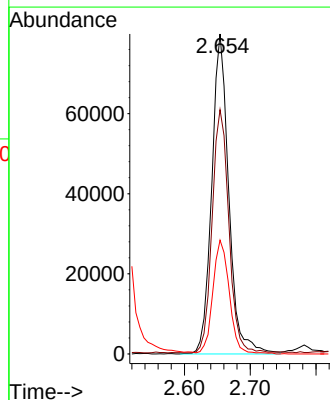
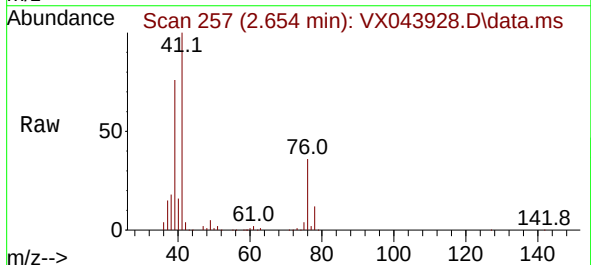
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

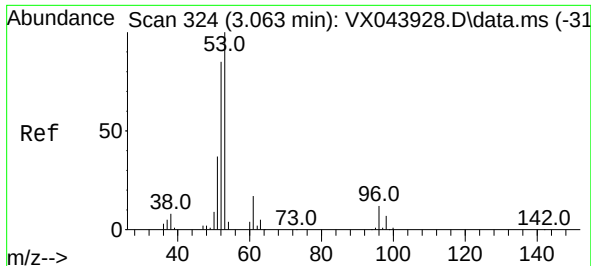
Tgt Ion: 56 Resp: 100647  
Ion Ratio Lower Upper  
56 100  
55 72.7 58.2 87.2



#14  
Allyl chloride  
Concen: 55.443 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 144663  
Ion Ratio Lower Upper  
41 100  
39 74.4 59.5 89.3  
76 34.3 27.4 41.2

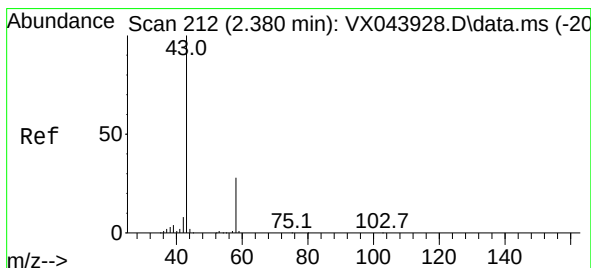
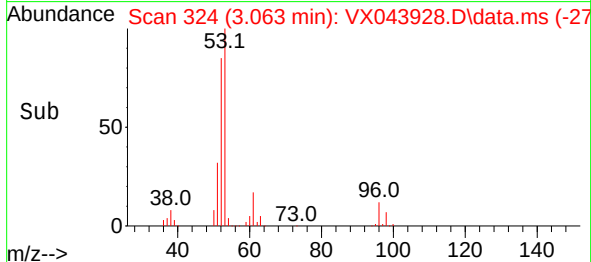
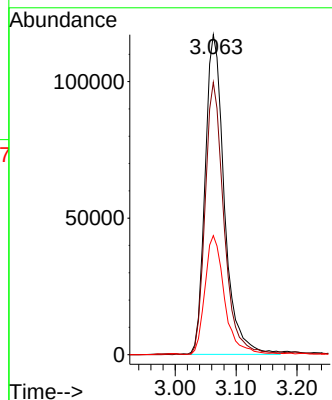
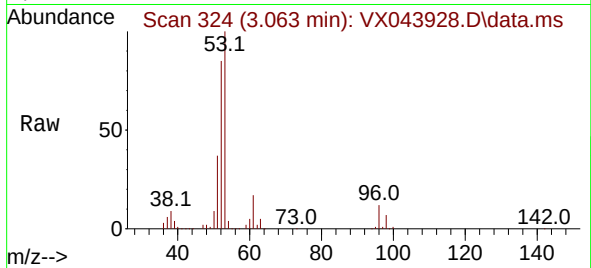




#15  
Acrylonitrile  
Concen: 275.887 ug/l  
RT: 3.063 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

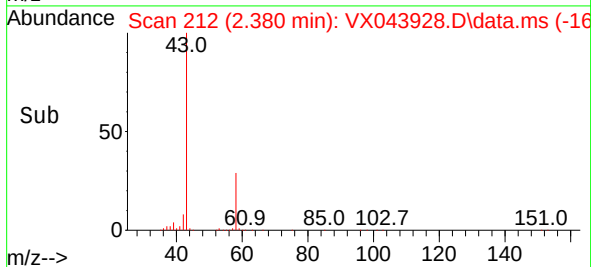
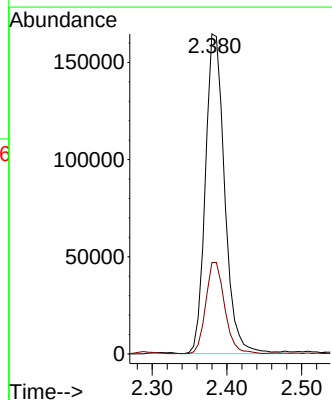
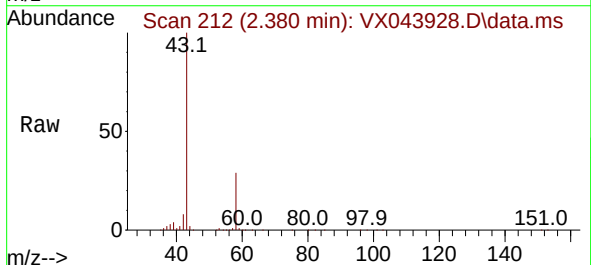
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

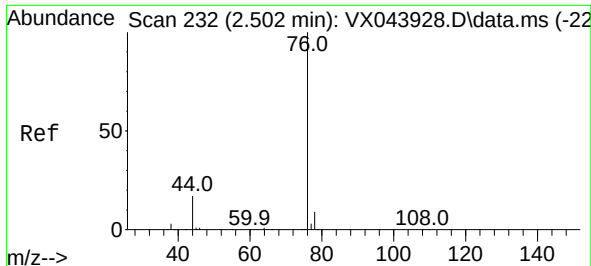
Tgt Ion: 53 Resp: 256493  
Ion Ratio Lower Upper  
53 100  
52 83.1 66.5 99.7  
51 37.8 30.2 45.4



#16  
Acetone  
Concen: 269.872 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 294611  
Ion Ratio Lower Upper  
43 100  
58 28.4 22.7 34.1

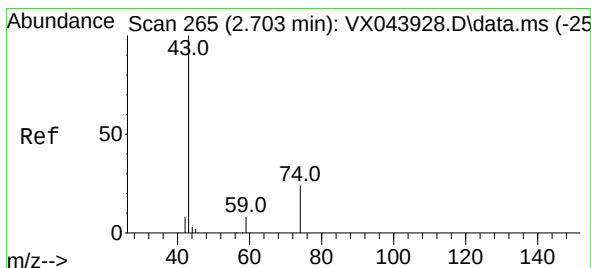
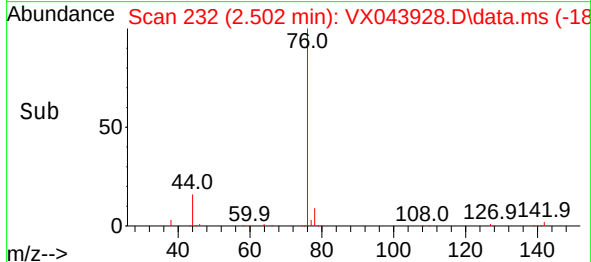
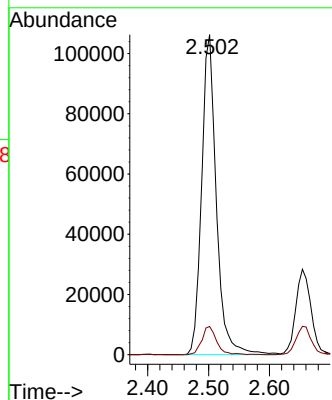
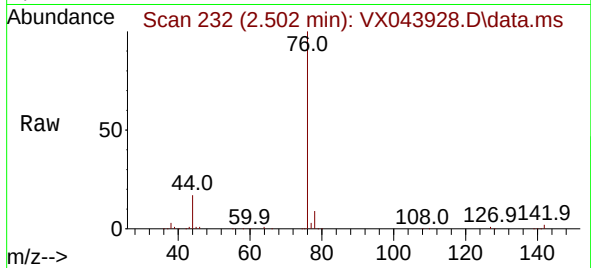




#17  
Carbon Disulfide  
Concen: 54.130 ug/l  
RT: 2.502 min Scan# 232  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

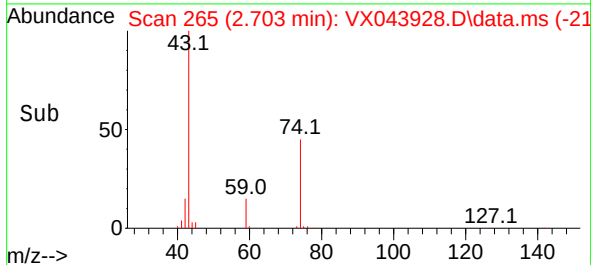
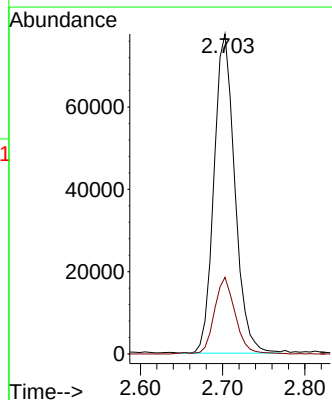
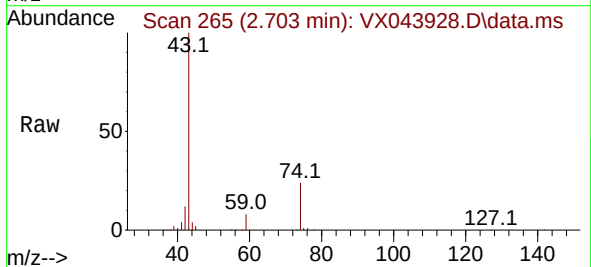
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

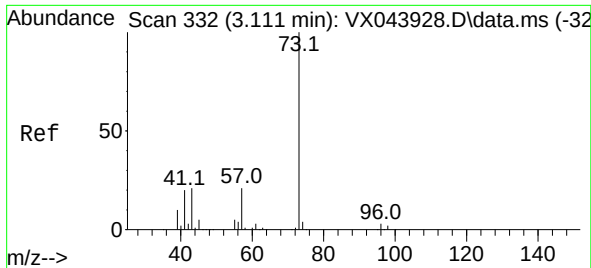
Tgt Ion: 76 Resp: 178294  
Ion Ratio Lower Upper  
76 100  
78 8.8 7.0 10.6



#18  
Methyl Acetate  
Concen: 53.785 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 136735  
Ion Ratio Lower Upper  
43 100  
74 23.6 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 54.114 ug/l

RT: 3.111 min Scan# 332

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

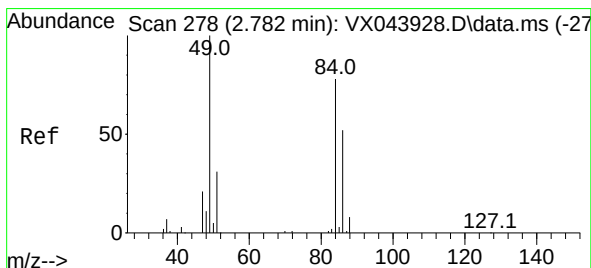
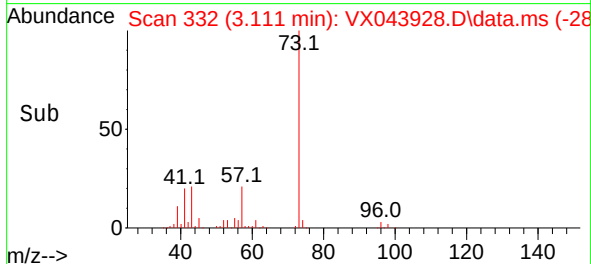
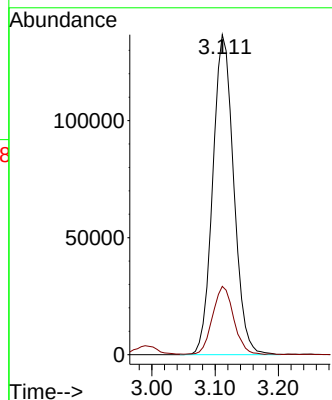
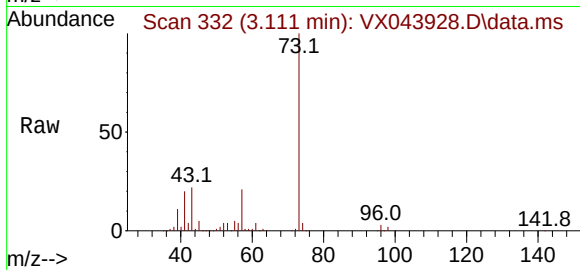
VSTDICCC050

Tgt Ion: 73 Resp: 313754

Ion Ratio Lower Upper

73 100

57 21.3 17.0 25.6



#20

Methylene Chloride

Concen: 49.918 ug/l

RT: 2.782 min Scan# 278

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion: 84 Resp: 92475

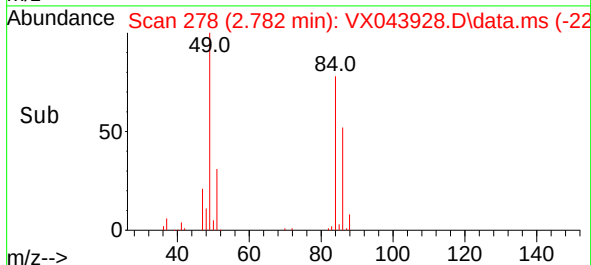
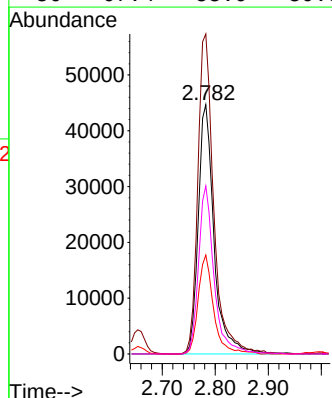
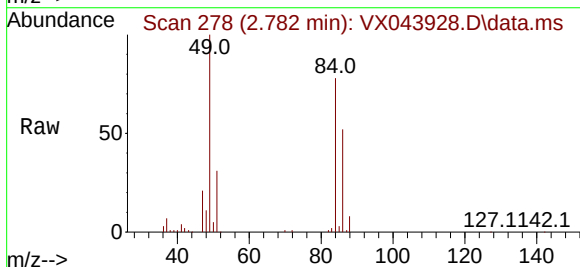
Ion Ratio Lower Upper

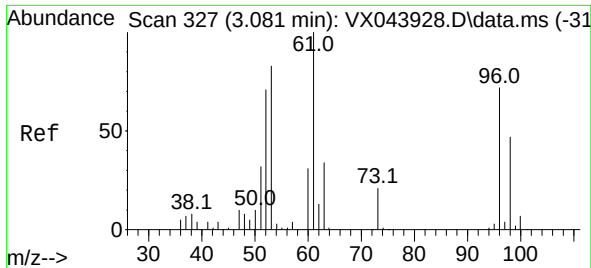
84 100

49 128.4 102.7 154.1

51 39.6 31.7 47.5

86 67.4 53.9 80.9

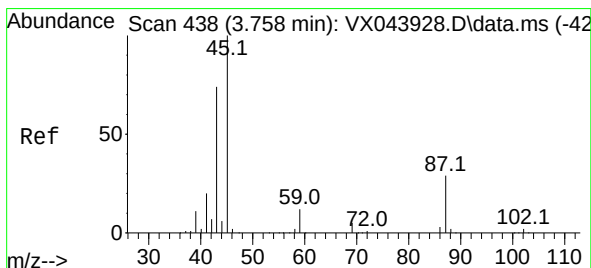
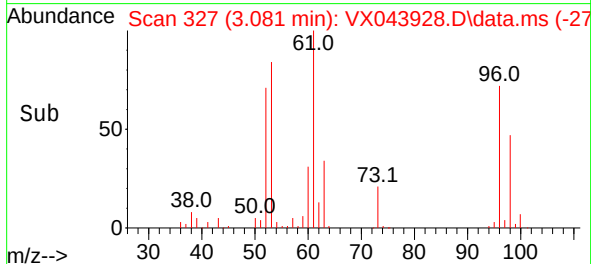
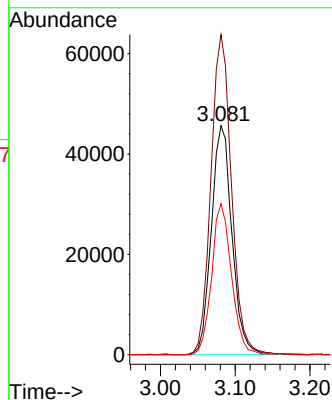
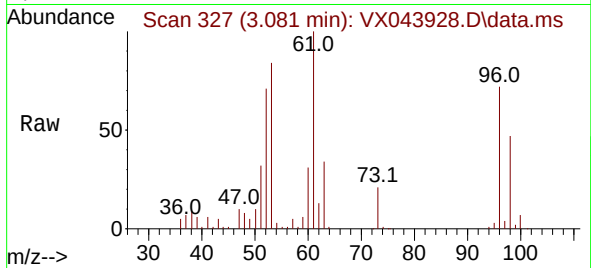




#21  
trans-1,2-Dichloroethene  
Concen: 53.227 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

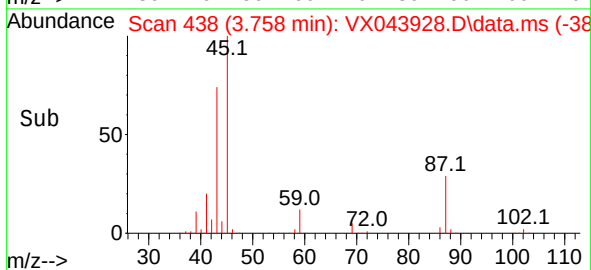
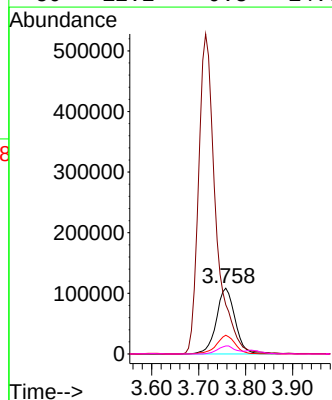
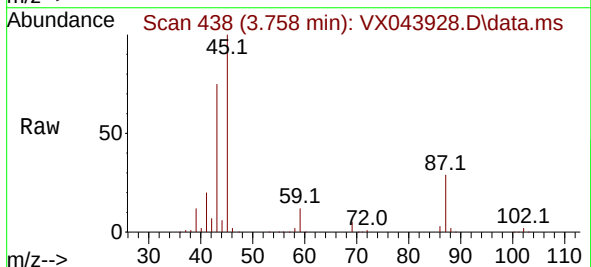
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

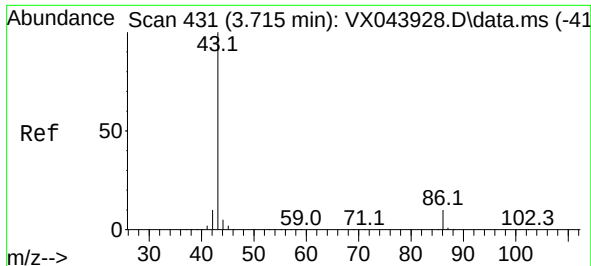
Tgt Ion: 96 Resp: 87752  
Ion Ratio Lower Upper  
96 100  
61 139.7 111.8 167.6  
98 65.9 52.7 79.1



#22  
Diisopropyl ether  
Concen: 53.704 ug/l  
RT: 3.758 min Scan# 438  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 45 Resp: 299631  
Ion Ratio Lower Upper  
45 100  
43 74.5 59.6 89.4  
87 28.6 22.9 34.3  
59 12.2 9.8 14.6

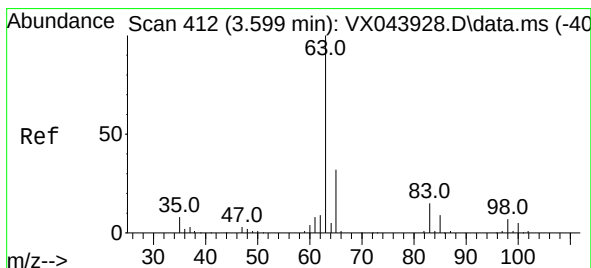
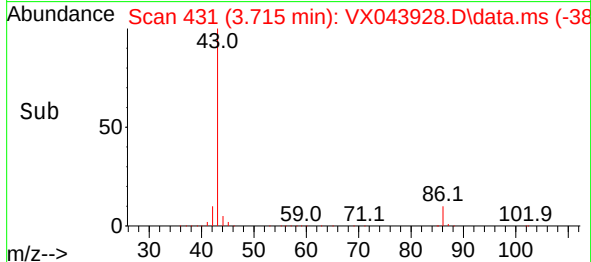
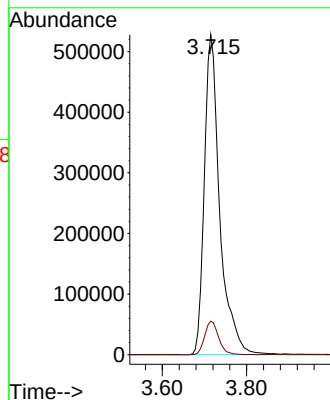
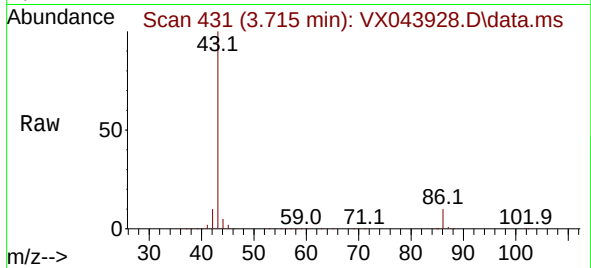




#23  
 Vinyl Acetate  
 Concen: 281.781 ug/l  
 RT: 3.715 min Scan# 41  
 Delta R.T. 0.000 min  
 Lab File: VX043928.D  
 Acq: 21 Nov 2024 11:17

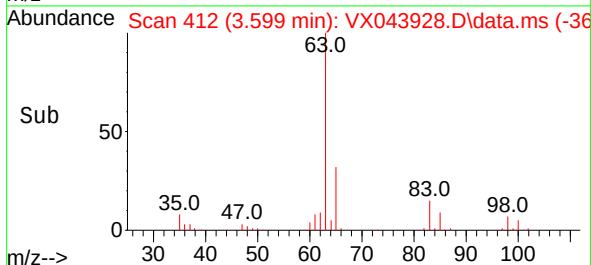
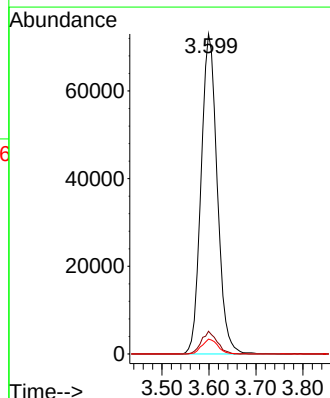
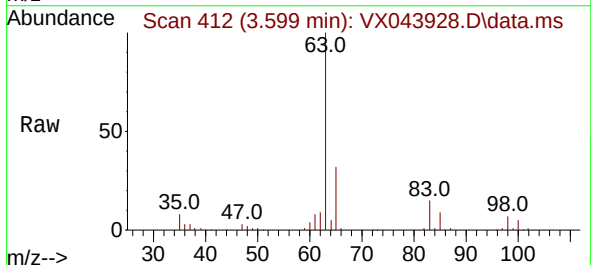
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

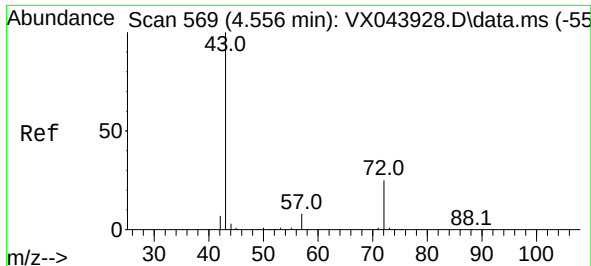
Tgt Ion: 43 Resp: 1344870  
 Ion Ratio Lower Upper  
 43 100  
 86 10.4 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 54.063 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. 0.000 min  
 Lab File: VX043928.D  
 Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 174008  
 Ion Ratio Lower Upper  
 63 100  
 98 7.1 3.5 10.6  
 100 4.7 2.4 7.1





#25

2-Butanone

Concen: 278.700 ug/l

RT: 4.556 min Scan# 569

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

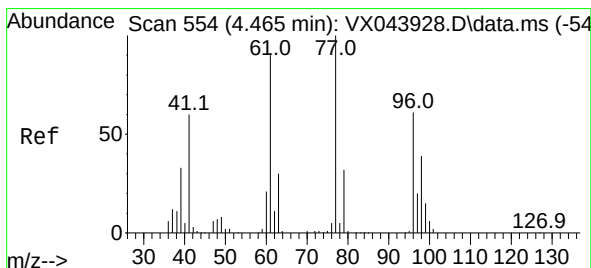
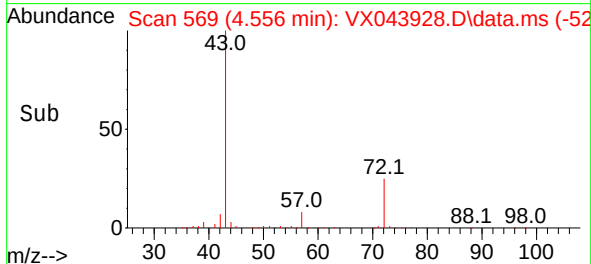
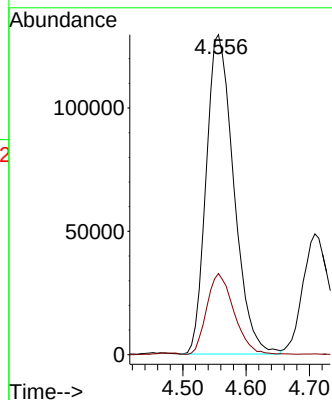
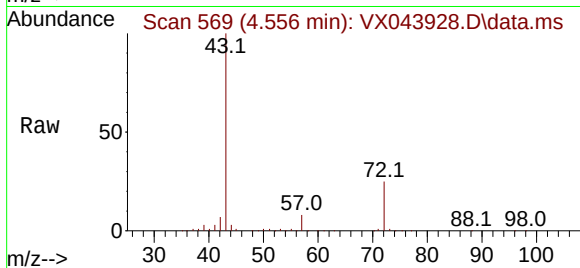
VSTDICCC050

Tgt Ion: 43 Resp: 392575

Ion Ratio Lower Upper

43 100

72 25.2 20.2 30.2



#26

2,2-Dichloropropane

Concen: 54.407 ug/l

RT: 4.465 min Scan# 554

Delta R.T. 0.000 min

Lab File: VX043928.D

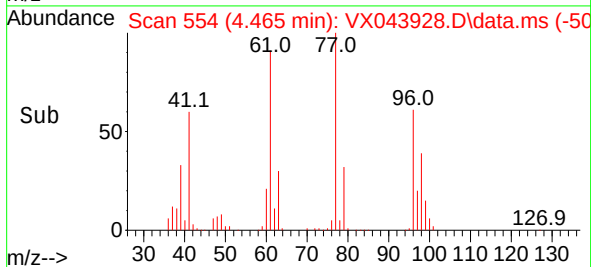
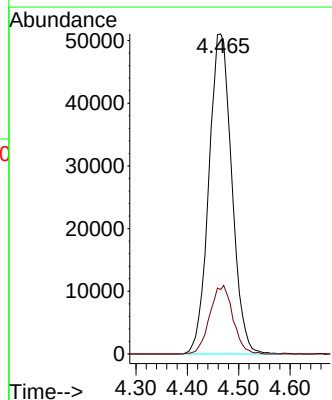
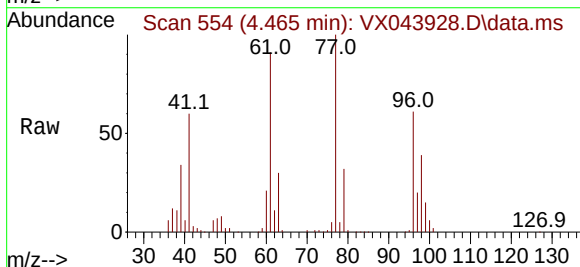
Acq: 21 Nov 2024 11:17

Tgt Ion: 77 Resp: 158151

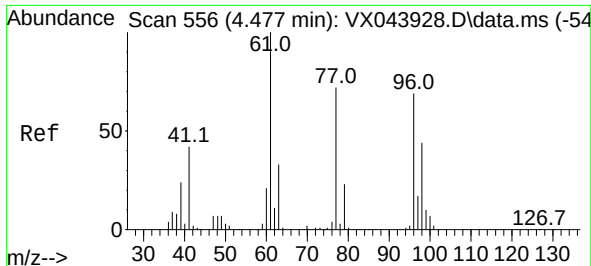
Ion Ratio Lower Upper

77 100

97 21.5 10.8 32.3







#27

cis-1,2-Dichloroethene

Concen: 53.852 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

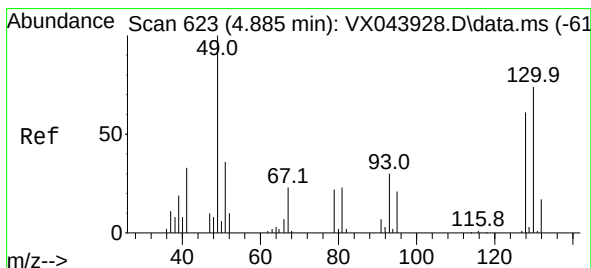
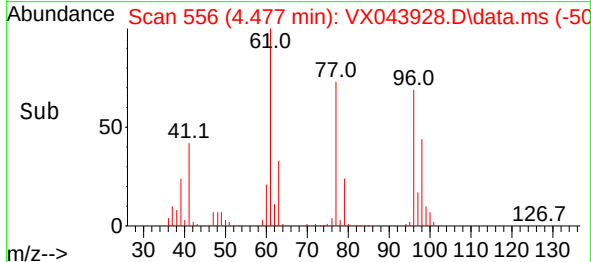
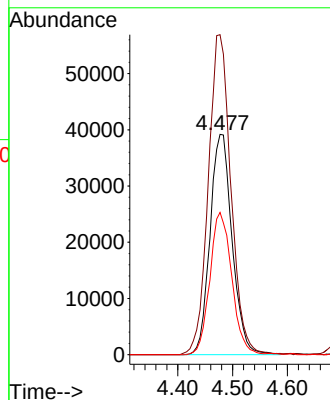
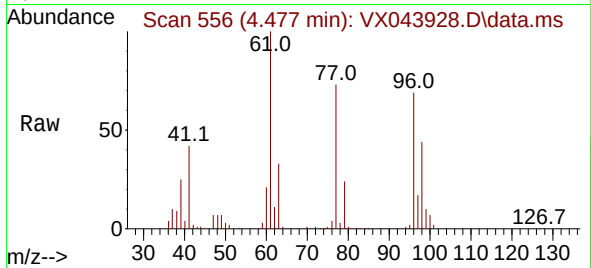
Tgt Ion: 96 Resp: 109742

Ion Ratio Lower Upper

96 100

61 148.7 0.0 297.4

98 63.9 0.0 127.8



#28

Bromochloromethane

Concen: 44.034 ug/l

RT: 4.885 min Scan# 623

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

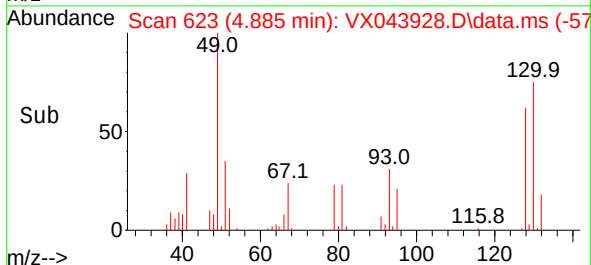
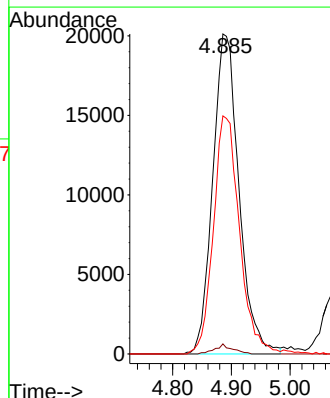
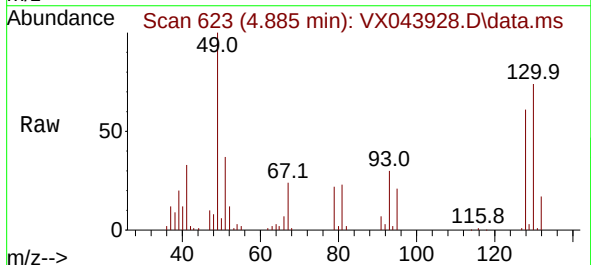
Tgt Ion: 49 Resp: 62386

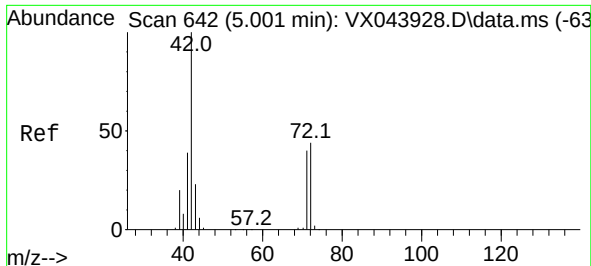
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 73.8 59.0 88.6





#29

Tetrahydrofuran

Concen: 271.213 ug/l

RT: 5.001 min Scan# 642

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

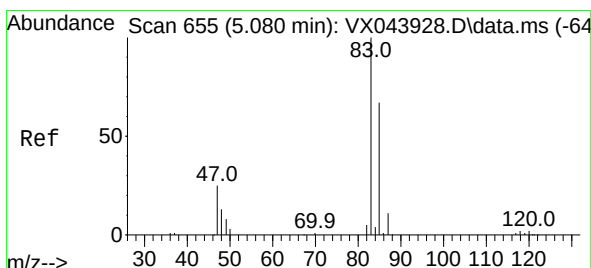
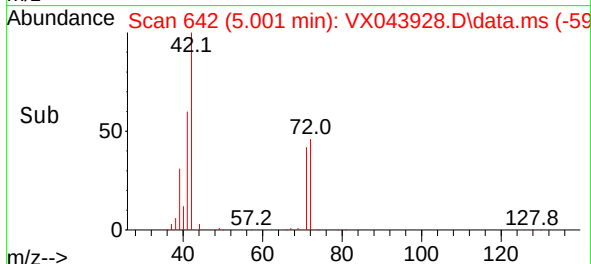
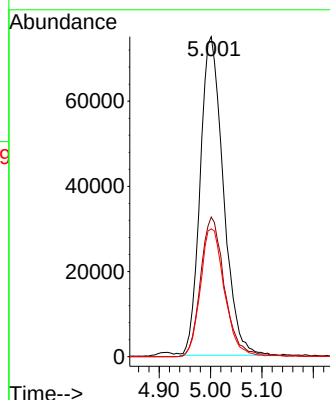
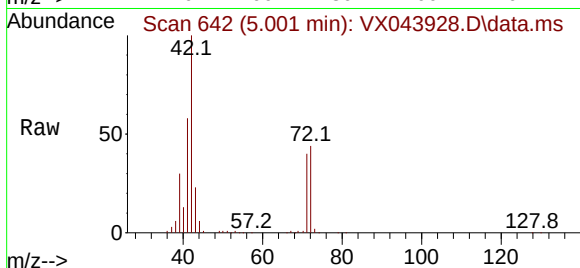
Tgt Ion: 42 Resp: 234208

Ion Ratio Lower Upper

42 100

72 45.5 36.4 54.6

71 41.7 33.4 50.0



#30

Chloroform

Concen: 52.691 ug/l

RT: 5.080 min Scan# 655

Delta R.T. 0.000 min

Lab File: VX043928.D

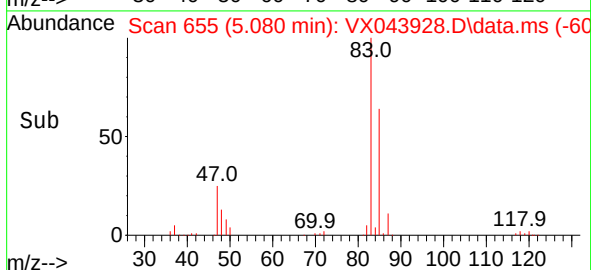
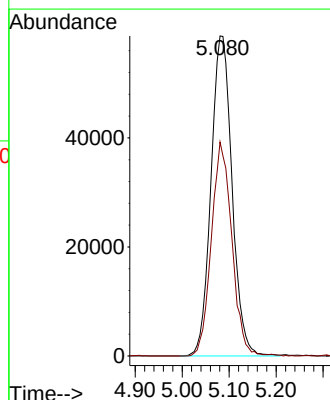
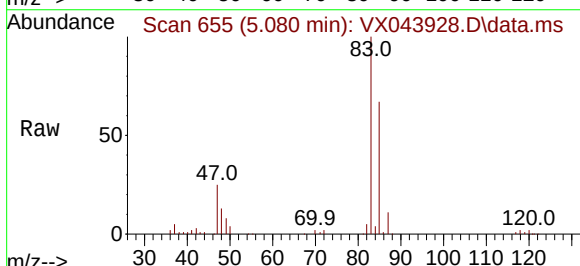
Acq: 21 Nov 2024 11:17

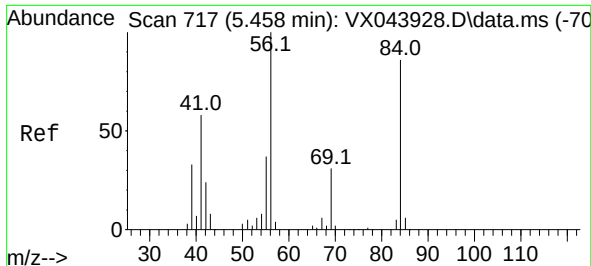
Tgt Ion: 83 Resp: 182404

Ion Ratio Lower Upper

83 100

85 66.9 53.5 80.3

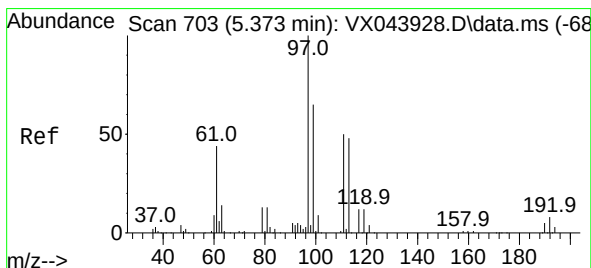
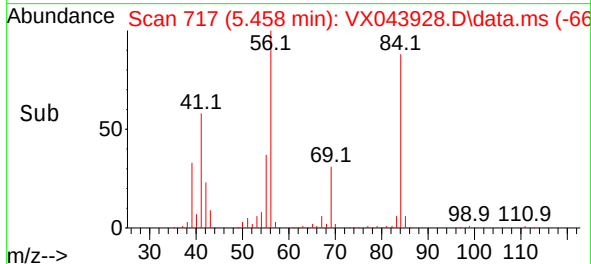
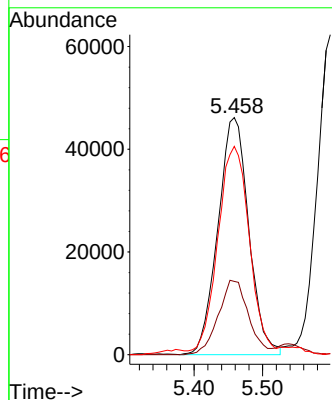
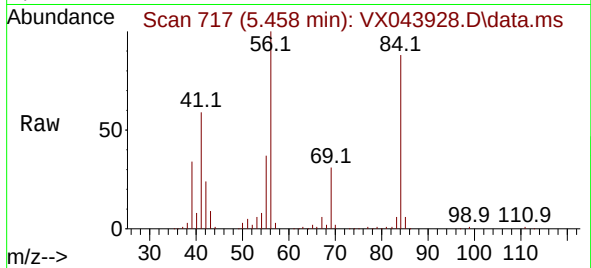




#31  
Cyclohexane  
Concen: 54.443 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

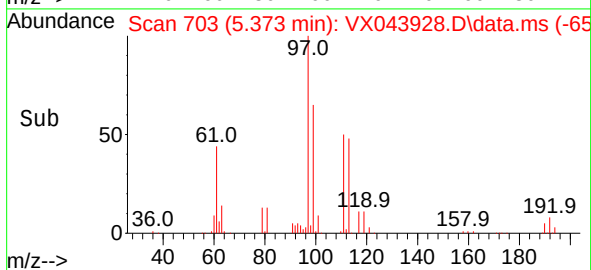
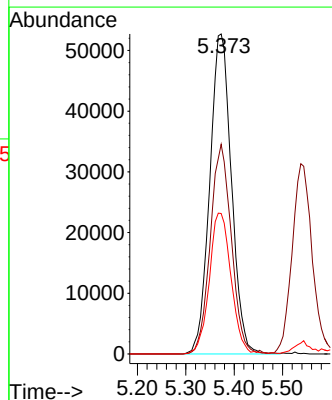
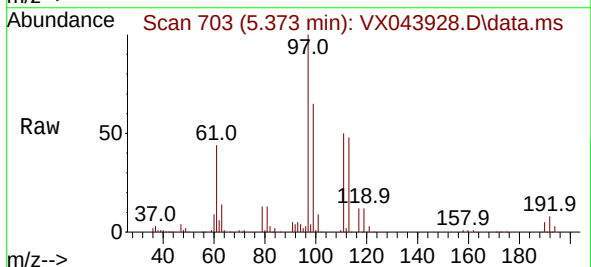
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

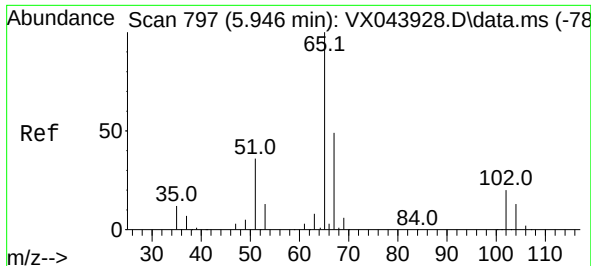
Tgt Ion: 56 Resp: 144224  
Ion Ratio Lower Upper  
56 100  
69 30.9 24.7 37.1  
84 85.9 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 54.944 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 97 Resp: 164023  
Ion Ratio Lower Upper  
97 100  
99 63.5 50.8 76.2  
61 44.3 35.4 53.2

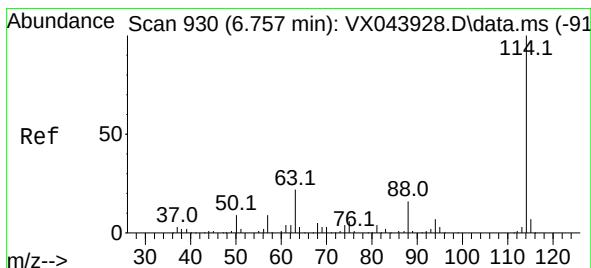
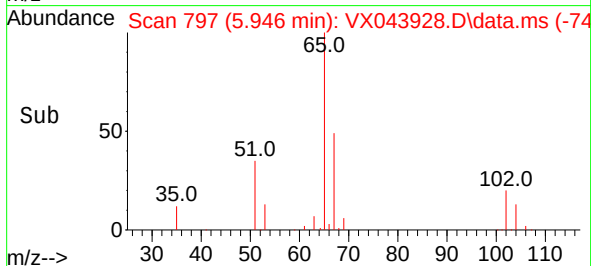
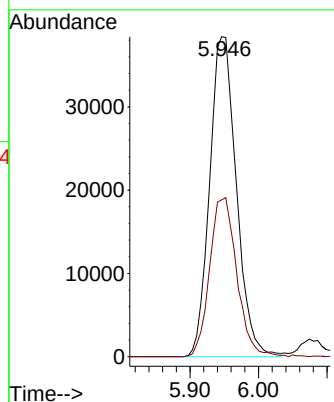
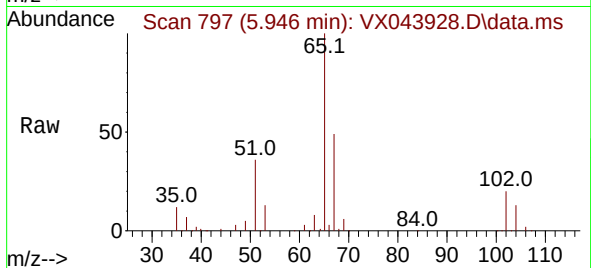




#33  
 1,2-Dichloroethane-d4  
 Concen: 43.792 ug/l  
 RT: 5.946 min Scan# 797  
 Delta R.T. 0.000 min  
 Lab File: VX043928.D  
 Acq: 21 Nov 2024 11:17

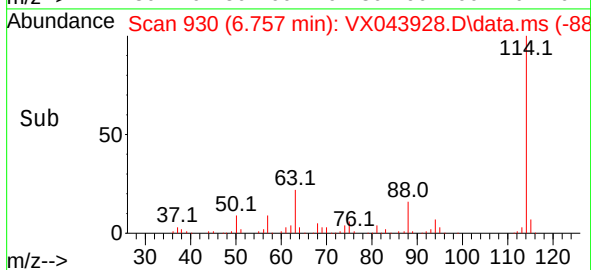
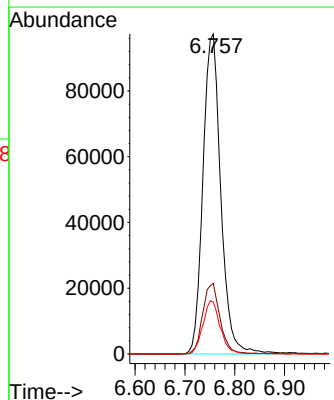
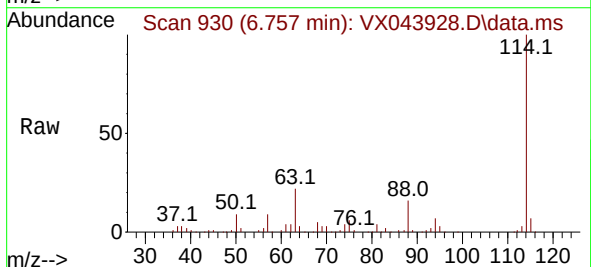
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

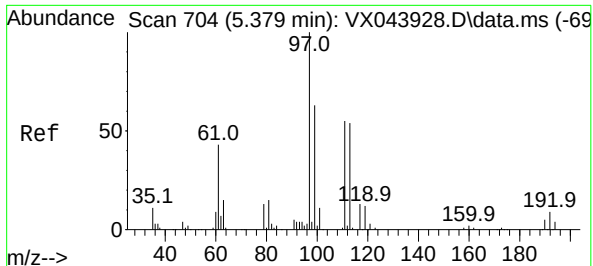
Tgt Ion: 65 Resp: 104086  
 Ion Ratio Lower Upper  
 65 100  
 67 50.4 0.0 100.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. 0.000 min  
 Lab File: VX043928.D  
 Acq: 21 Nov 2024 11:17

Tgt Ion: 114 Resp: 241629  
 Ion Ratio Lower Upper  
 114 100  
 63 22.0 0.0 44.0  
 88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 45.729 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

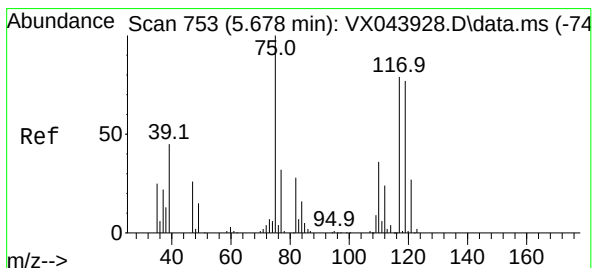
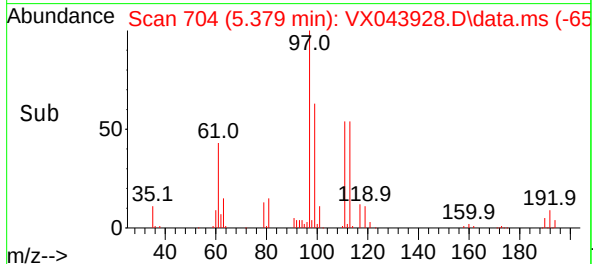
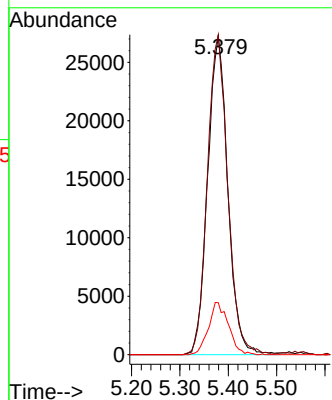
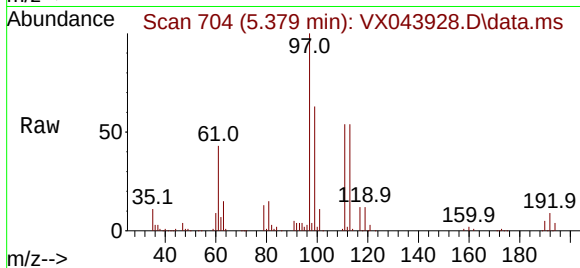
Tgt Ion:113 Resp: 78954

Ion Ratio Lower Upper

113 100

111 101.2 81.0 121.4

192 16.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 55.435 ug/l

RT: 5.678 min Scan# 753

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

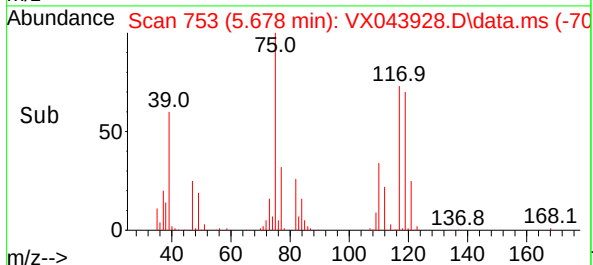
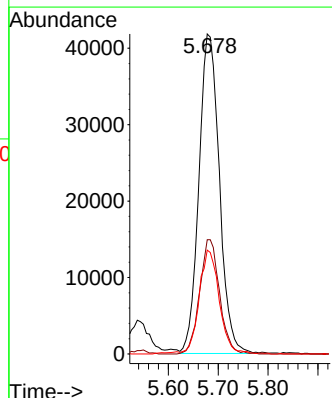
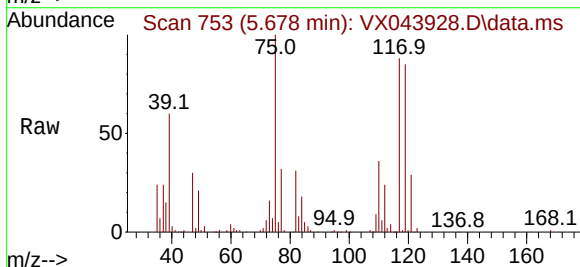
Tgt Ion: 75 Resp: 119269

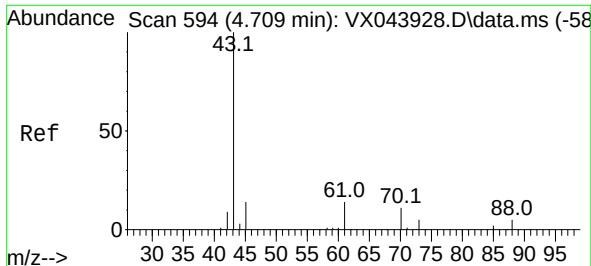
Ion Ratio Lower Upper

75 100

110 34.8 17.4 52.2

77 32.3 25.8 38.8





#37

Ethyl Acetate

Concen: 55.189 ug/l

RT: 4.709 min Scan# 594

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

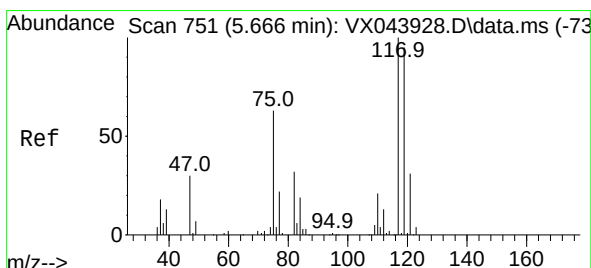
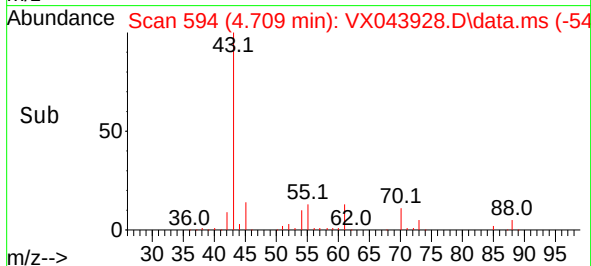
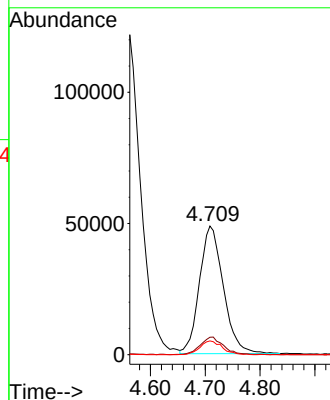
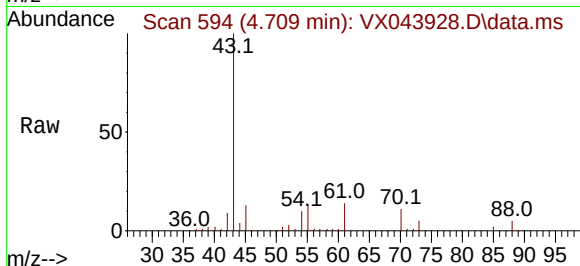
Tgt Ion: 43 Resp: 147393

Ion Ratio Lower Upper

43 100

61 13.4 10.7 16.1

70 10.0 8.0 12.0



#38

Carbon Tetrachloride

Concen: 55.729 ug/l

RT: 5.666 min Scan# 751

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

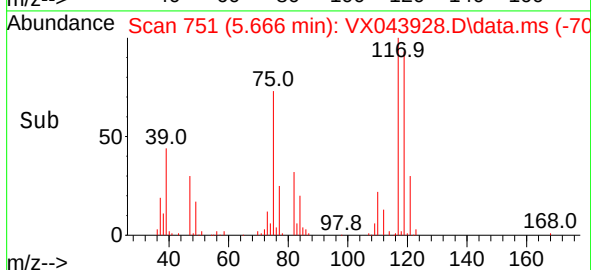
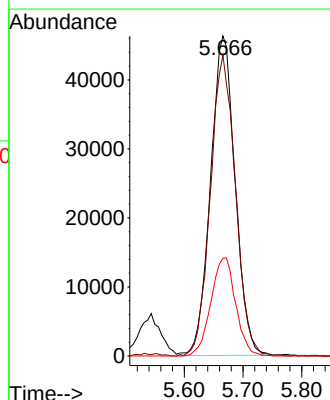
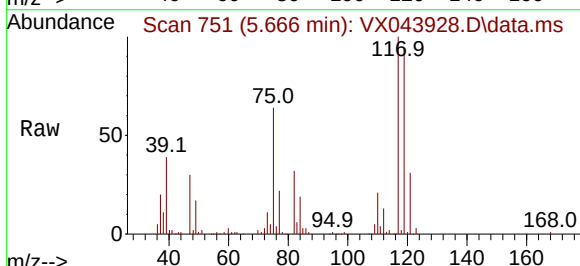
Tgt Ion: 117 Resp: 134725

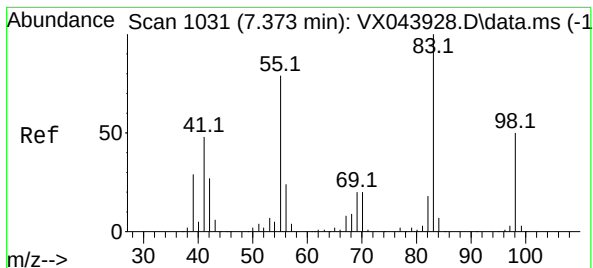
Ion Ratio Lower Upper

117 100

119 94.0 75.2 112.8

121 30.6 24.5 36.7





#39

Methylcyclohexane

Concen: 56.738 ug/l

RT: 7.373 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

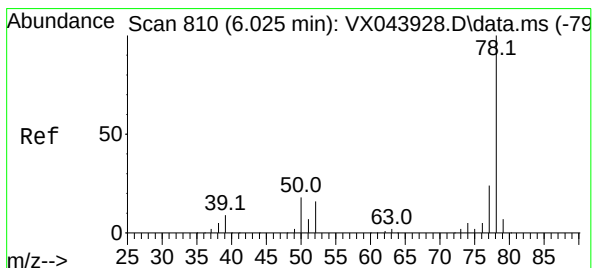
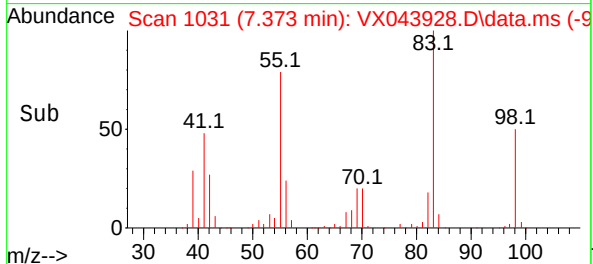
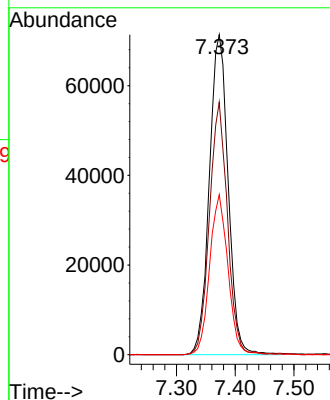
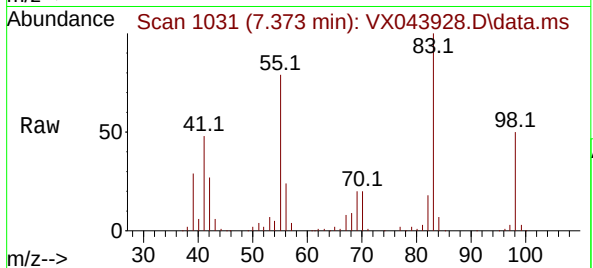
Tgt Ion: 83 Resp: 158586

Ion Ratio Lower Upper

83 100

55 78.9 63.1 94.7

98 50.0 40.0 60.0



#40

Benzene

Concen: 53.863 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX043928.D

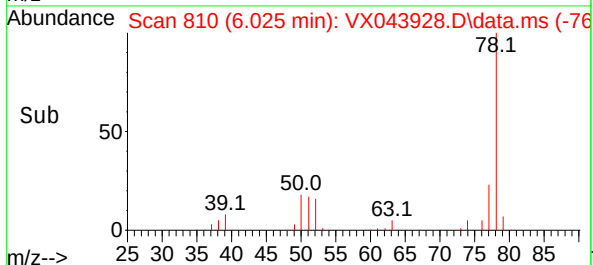
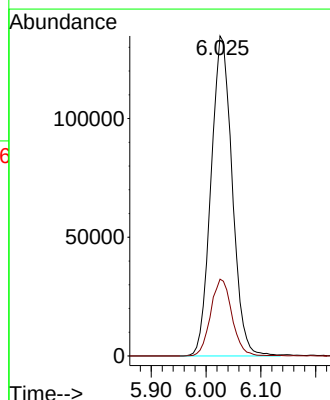
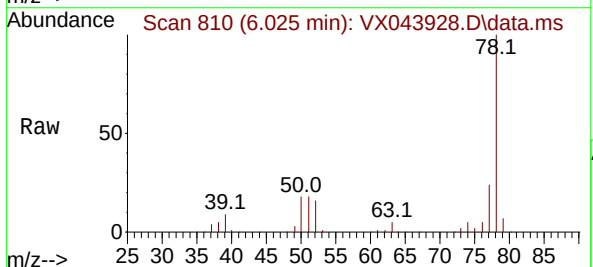
Acq: 21 Nov 2024 11:17

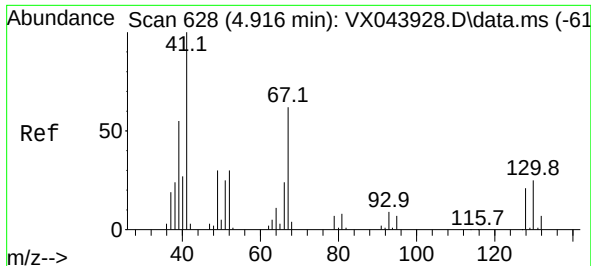
Tgt Ion: 78 Resp: 360978

Ion Ratio Lower Upper

78 100

77 24.0 19.2 28.8

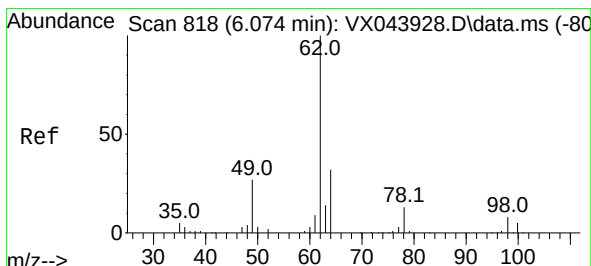
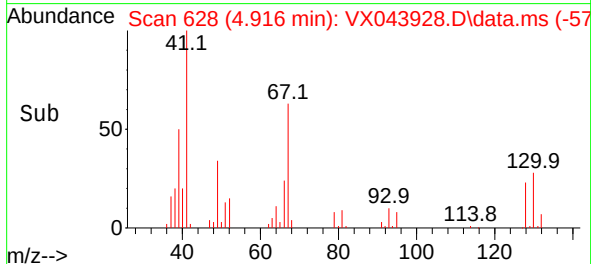
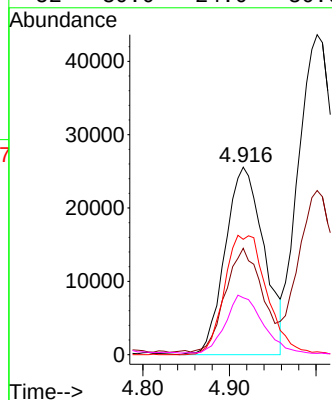
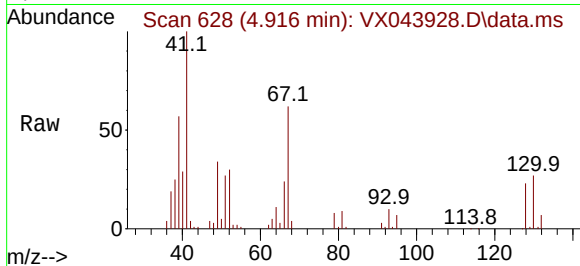




#41  
Methacrylonitrile  
Concen: 58.165 ug/l  
RT: 4.916 min Scan# 61  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

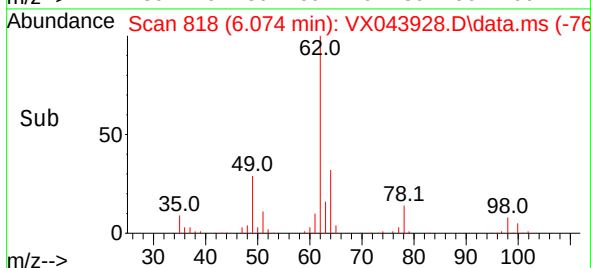
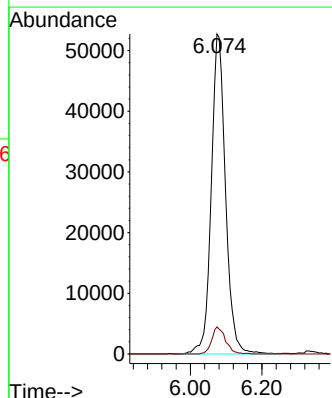
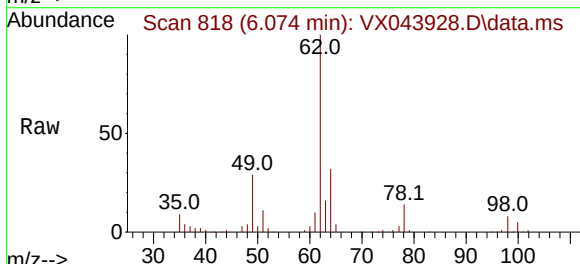
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 79507 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 52.1  | 41.7  | 62.5  |
| 67       | 69.8  | 55.8  | 83.8  |
| 52       | 30.0  | 24.0  | 36.0  |

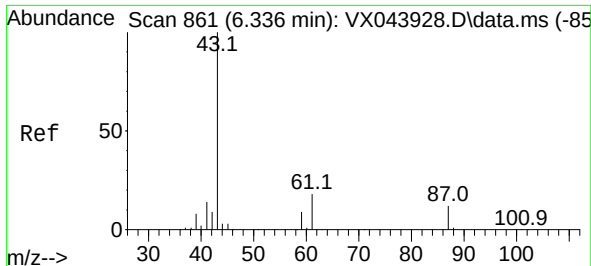


#42  
1,2-Dichloroethane  
Concen: 54.125 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 145681 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.2   | 0.0   | 16.4   |







#43

Isopropyl Acetate

Concen: 55.492 ug/l

RT: 6.336 min Scan# 861

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

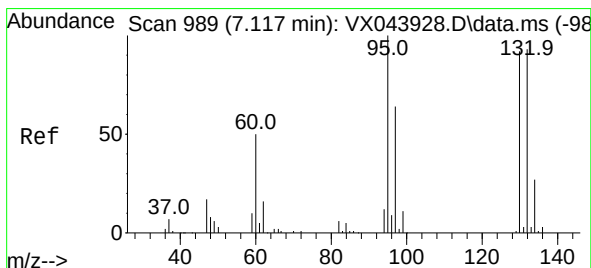
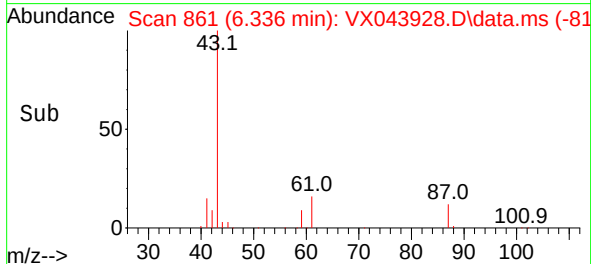
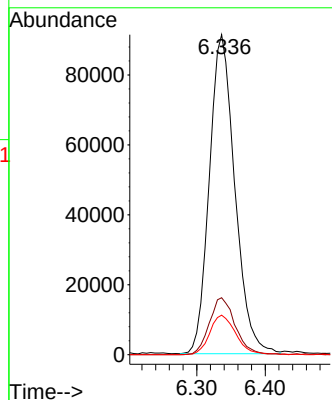
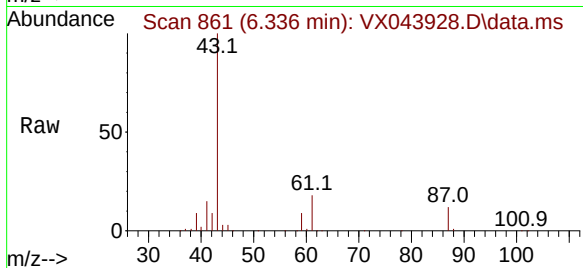
Tgt Ion: 43 Resp: 235856

Ion Ratio Lower Upper

43 100

61 18.1 14.5 21.7

87 12.7 10.2 15.2



#44

Trichloroethene

Concen: 47.447 ug/l

RT: 7.117 min Scan# 989

Delta R.T. 0.000 min

Lab File: VX043928.D

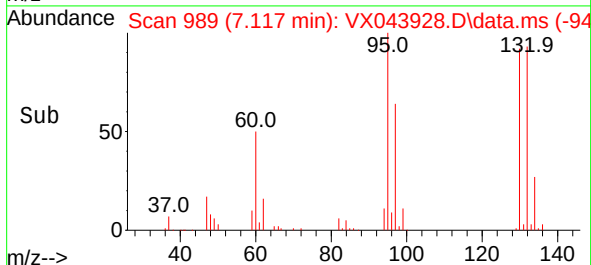
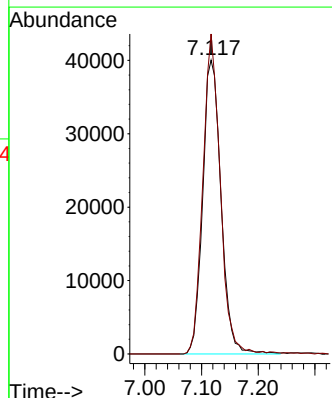
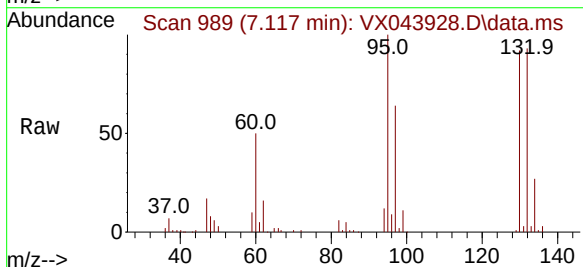
Acq: 21 Nov 2024 11:17

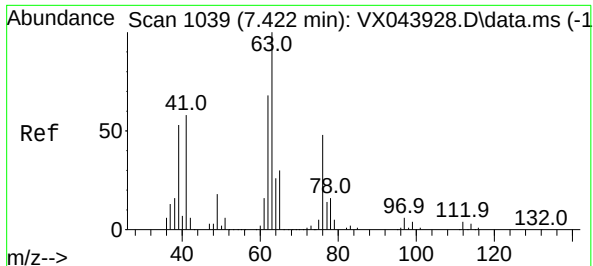
Tgt Ion:130 Resp: 90015

Ion Ratio Lower Upper

130 100

95 108.9 0.0 217.8





#45

1,2-Dichloropropane

Concen: 54.543 ug/l

RT: 7.422 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

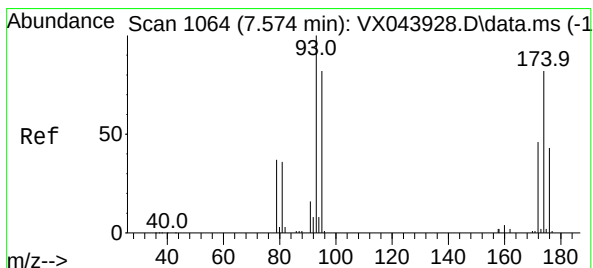
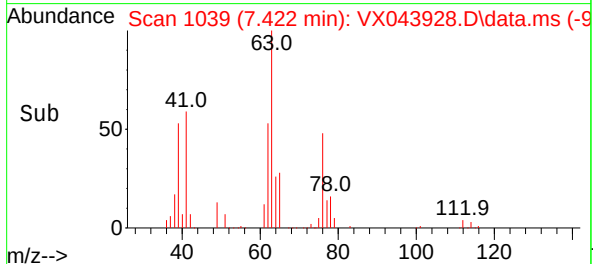
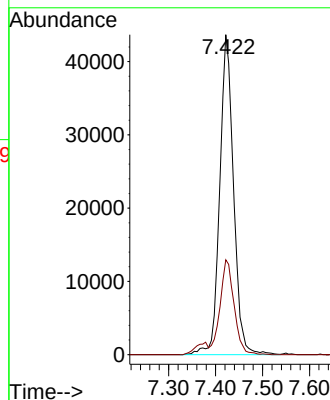
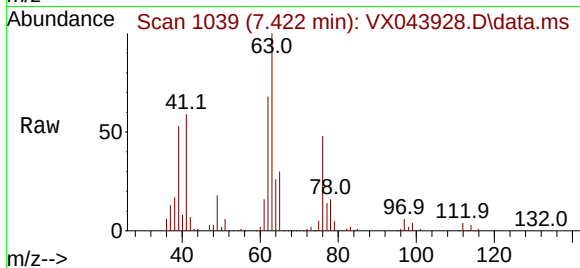
VSTDICCC050

Tgt Ion: 63 Resp: 89529

Ion Ratio Lower Upper

63 100

65 29.7 23.8 35.6



#46

Dibromomethane

Concen: 54.434 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

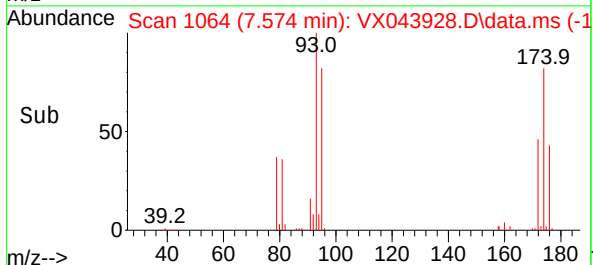
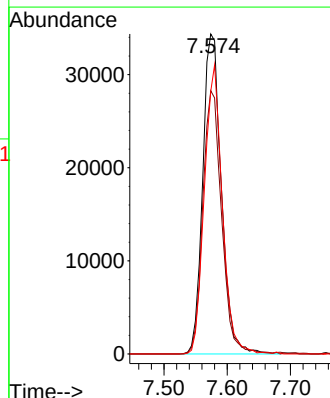
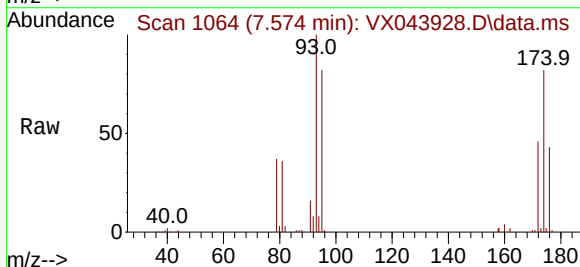
Tgt Ion: 93 Resp: 70679

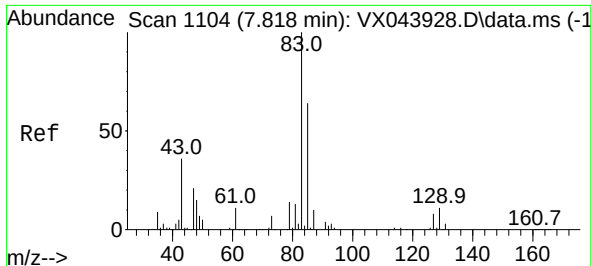
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 87.0 69.6 104.4

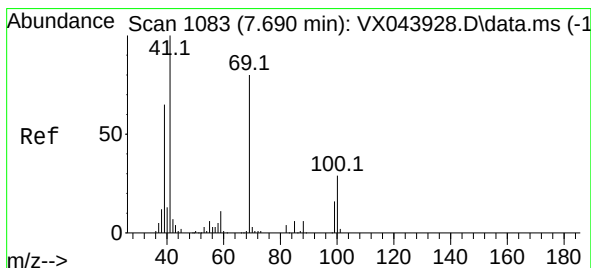
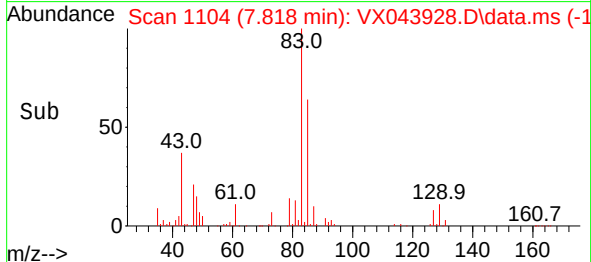
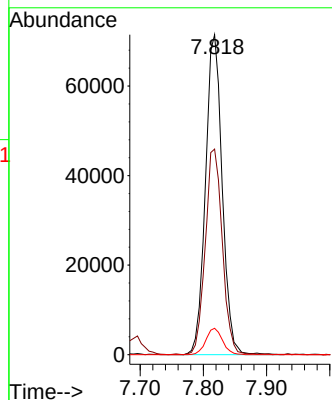
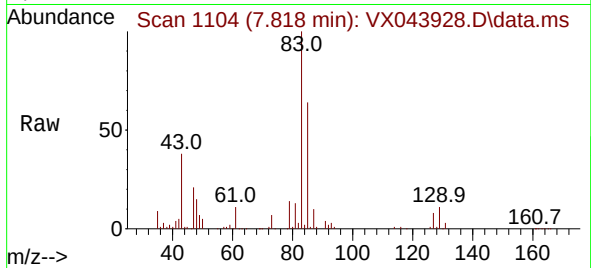




#47  
Bromodichloromethane  
Concen: 56.411 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

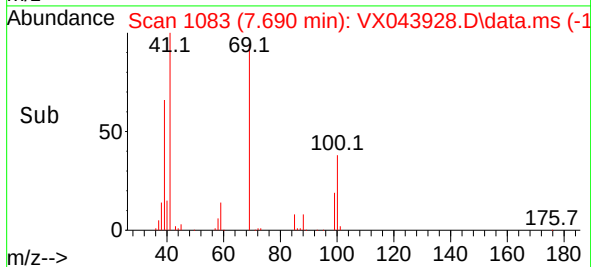
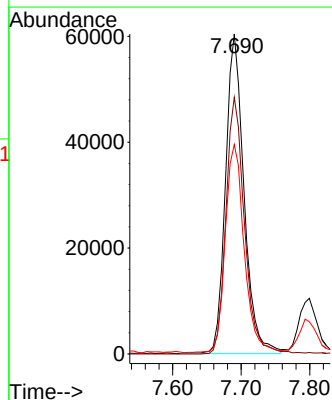
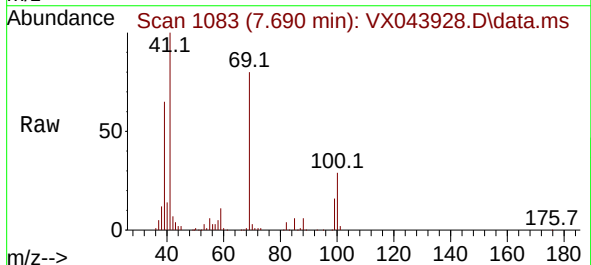
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

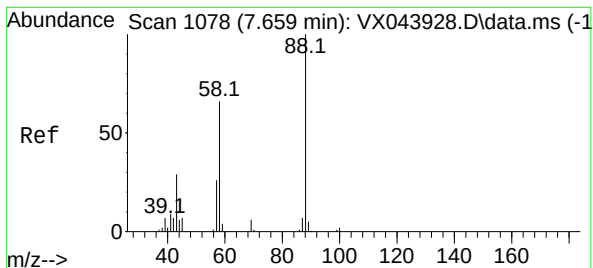
Tgt Ion: 83 Resp: 131365  
Ion Ratio Lower Upper  
83 100  
85 64.2 51.4 77.0  
127 8.3 6.6 10.0



#48  
Methyl methacrylate  
Concen: 55.310 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 41 Resp: 112803  
Ion Ratio Lower Upper  
41 100  
69 80.8 64.6 97.0  
39 66.6 53.3 79.9





#49

1,4-Dioxane

Concen: 949.925 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

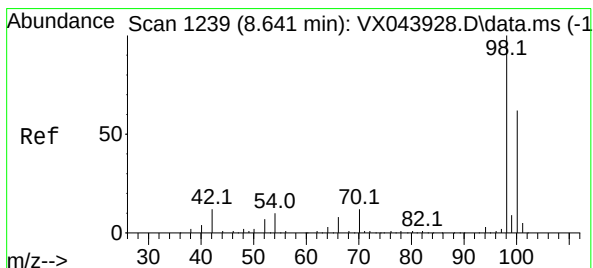
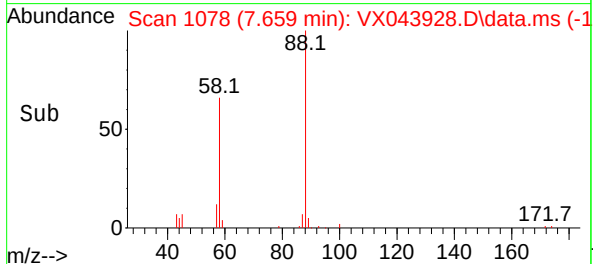
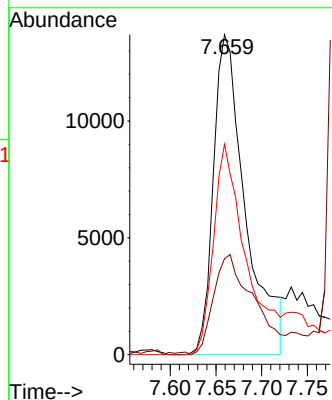
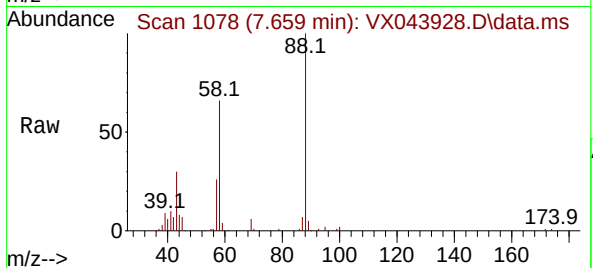
Tgt Ion: 88 Resp: 33402

Ion Ratio Lower Upper

88 100

43 39.5 26.8 40.2

58 66.8 45.4 68.2



#50

Toluene-d8

Concen: 44.803 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VX043928.D

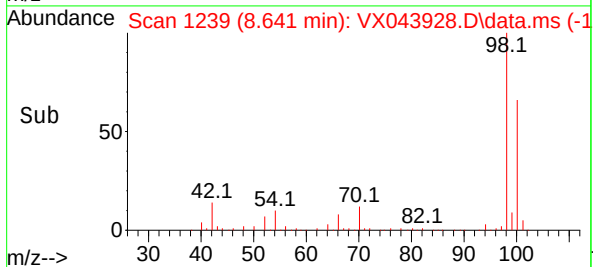
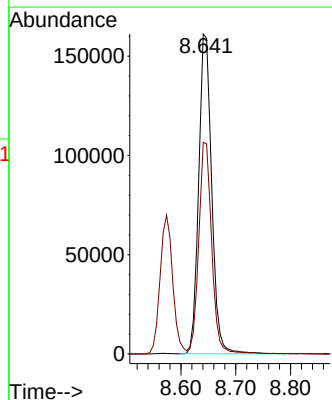
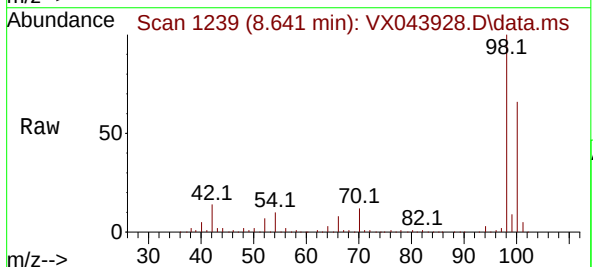
Acq: 21 Nov 2024 11:17

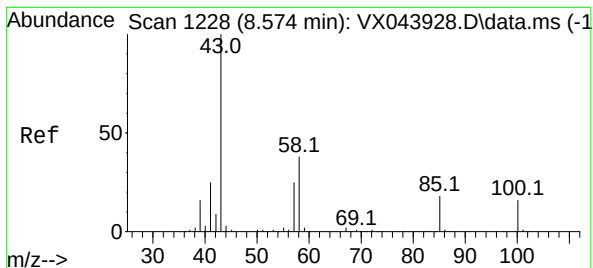
Tgt Ion: 98 Resp: 266650

Ion Ratio Lower Upper

98 100

100 65.8 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 282.442 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

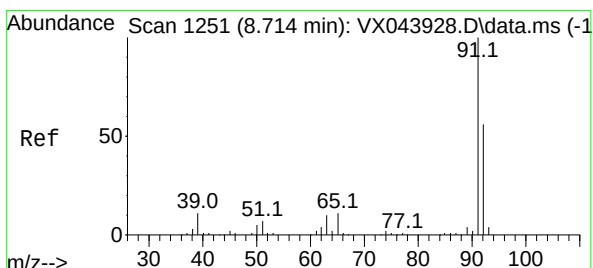
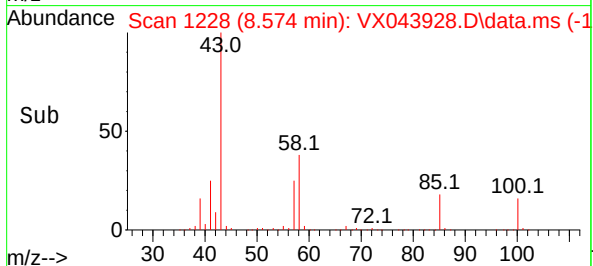
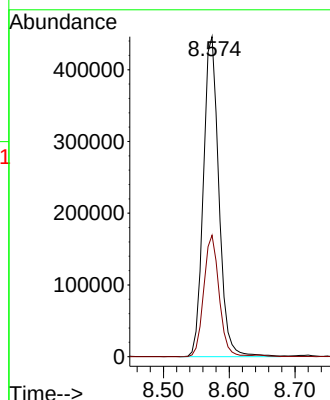
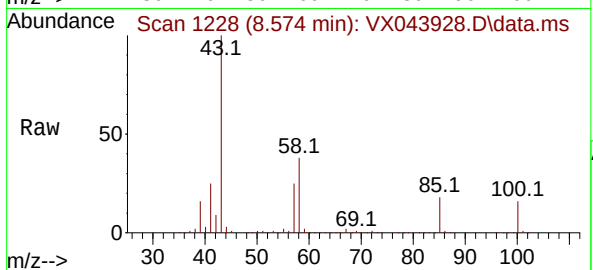
VSTDICCC050

Tgt Ion: 43 Resp: 732582

Ion Ratio Lower Upper

43 100

58 37.5 30.0 45.0



#52

Toluene

Concen: 55.469 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. 0.000 min

Lab File: VX043928.D

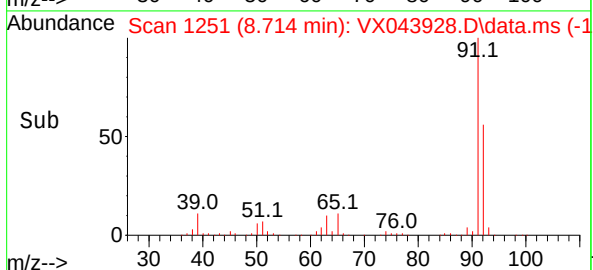
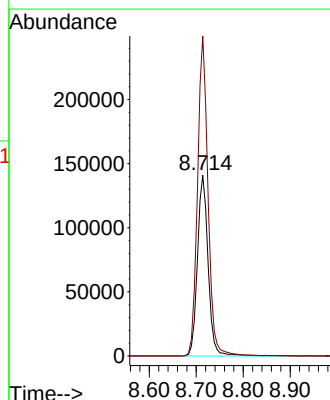
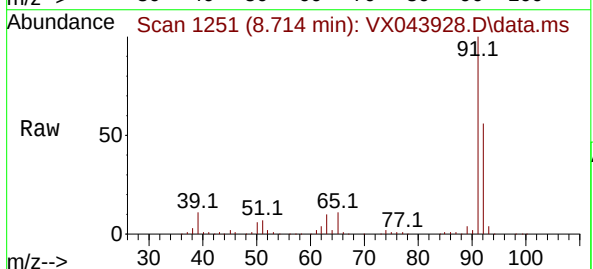
Acq: 21 Nov 2024 11:17

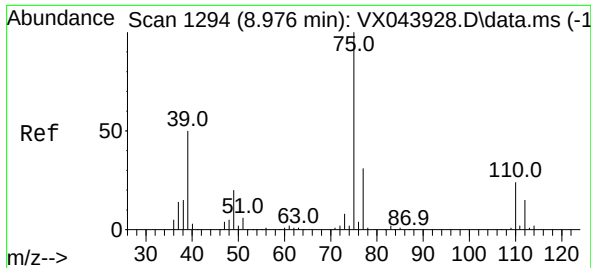
Tgt Ion: 92 Resp: 222500

Ion Ratio Lower Upper

92 100

91 174.6 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 57.881 ug/l

RT: 8.976 min Scan# 1294

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

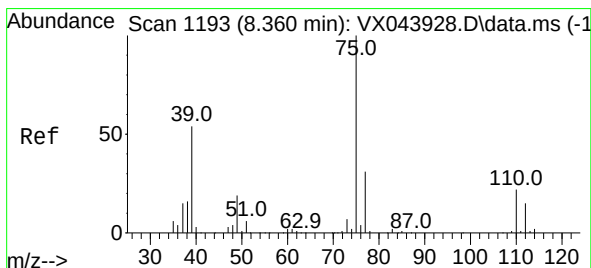
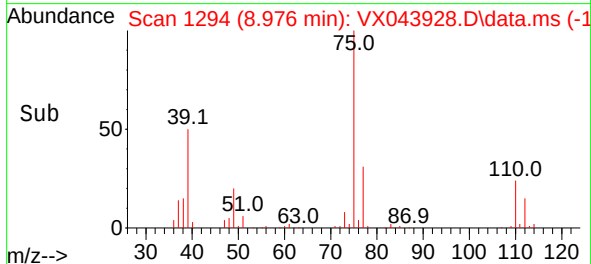
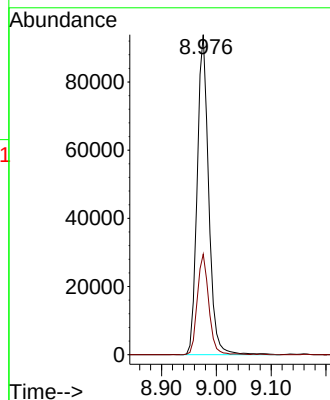
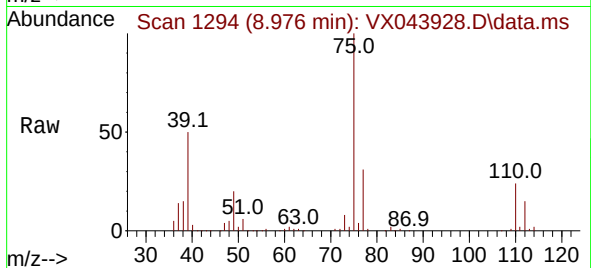
VSTDICCC050

Tgt Ion: 75 Resp: 137451

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 56.712 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

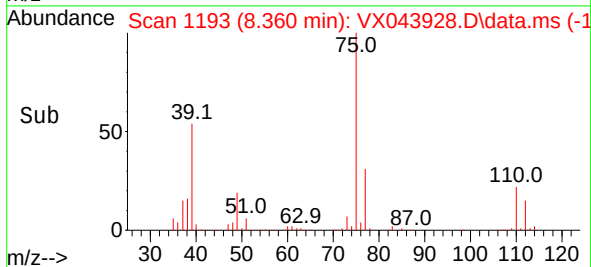
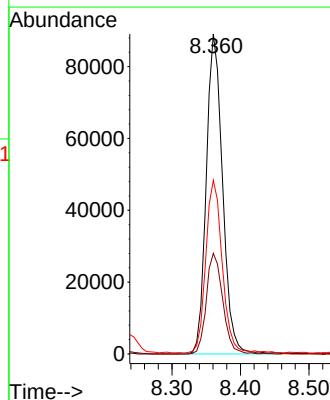
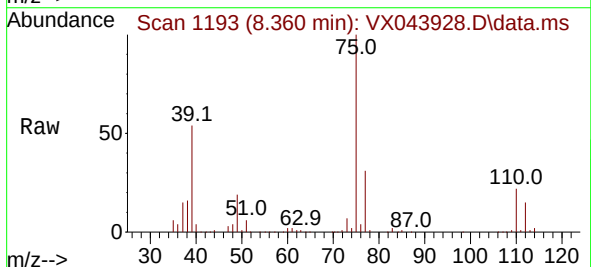
Tgt Ion: 75 Resp: 147638

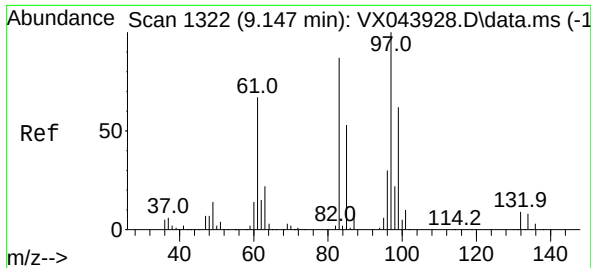
Ion Ratio Lower Upper

75 100

77 31.5 25.2 37.8

39 53.9 43.1 64.7

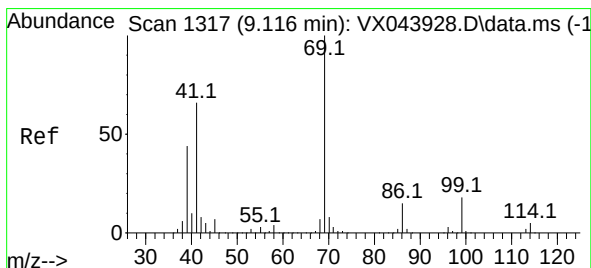
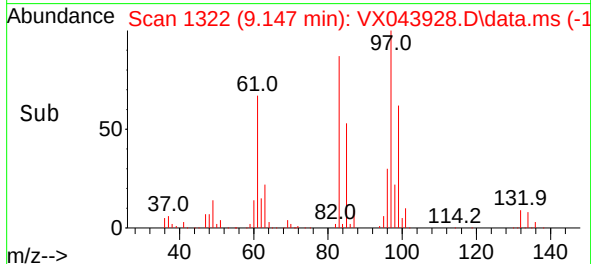
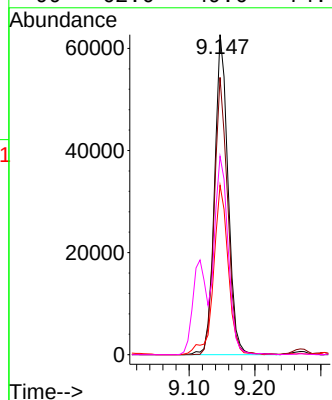
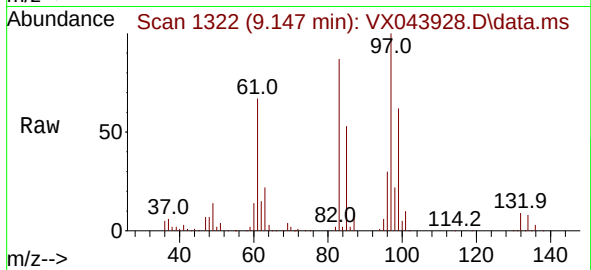




#55  
1,1,2-Trichloroethane  
Concen: 54.016 ug/l  
RT: 9.147 min Scan# 1322  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

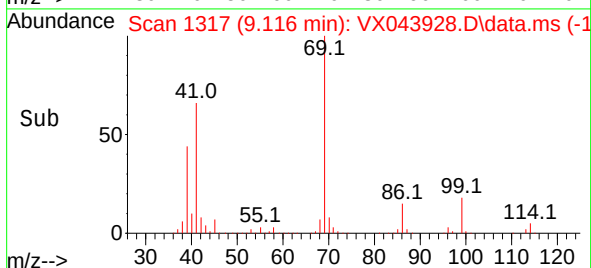
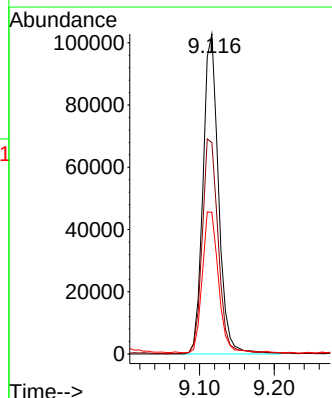
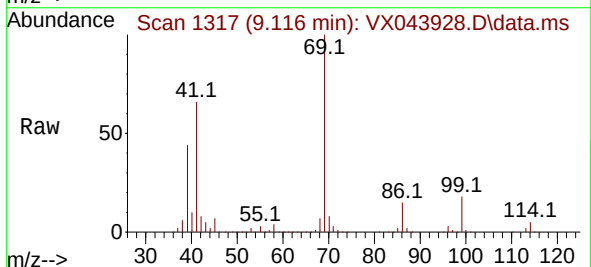
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

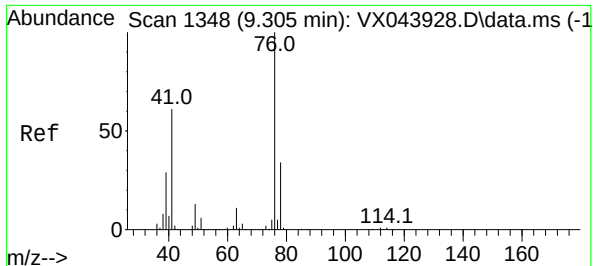
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 89441 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 86.7  | 69.4  | 104.0 |
| 85       | 52.9  | 42.3  | 63.5  |
| 99       | 62.0  | 49.6  | 74.4  |



#56  
Ethyl methacrylate  
Concen: 57.494 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 148281 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 69.8  | 55.8  | 83.8   |
| 39       | 45.9  | 36.7  | 55.1   |

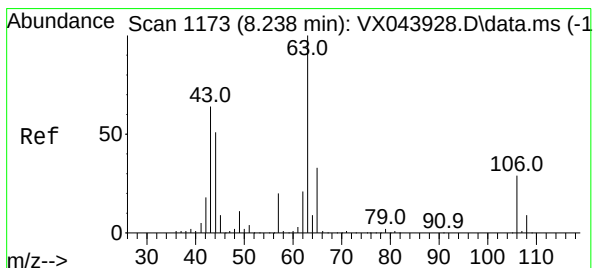
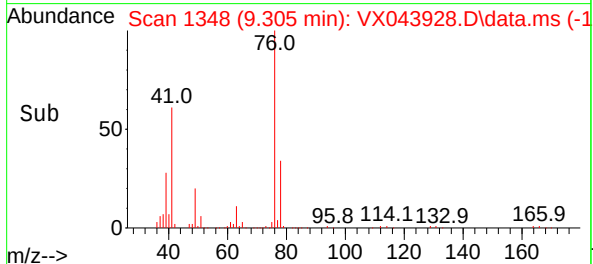
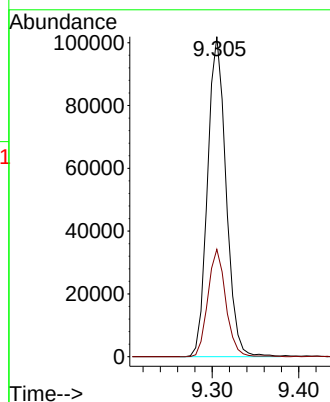
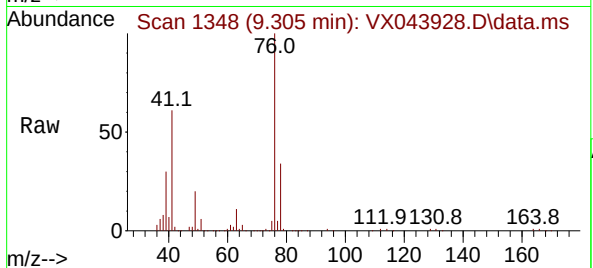




#57  
1,3-Dichloropropane  
Concen: 54.180 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

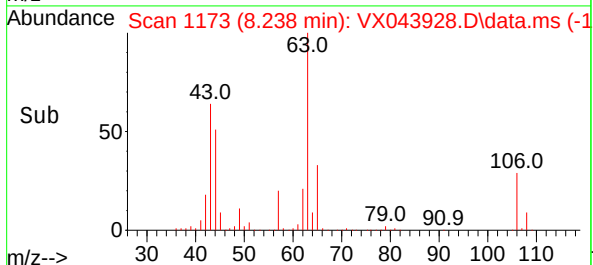
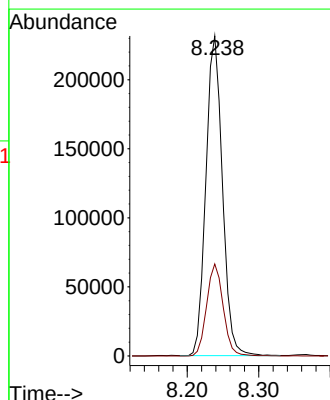
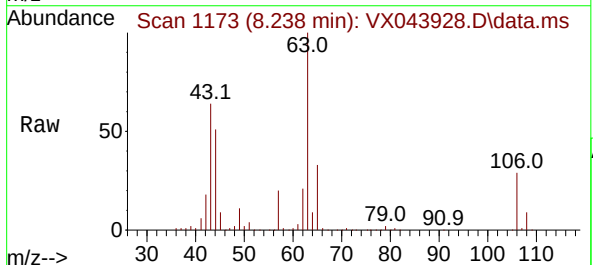
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion: 76 Resp: 151124  
Ion Ratio Lower Upper  
76 100  
78 32.5 26.0 39.0

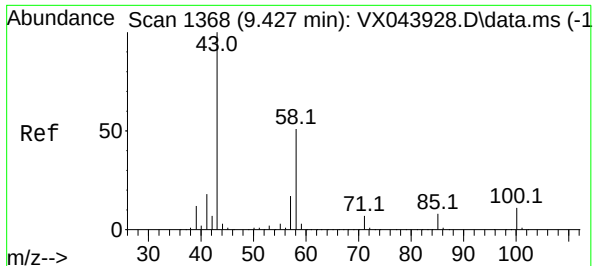


#58  
2-Chloroethyl Vinyl ether  
Concen: 262.805 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 63 Resp: 371281  
Ion Ratio Lower Upper  
63 100  
106 28.8 23.0 34.6







#59

2-Hexanone

Concen: 291.589 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

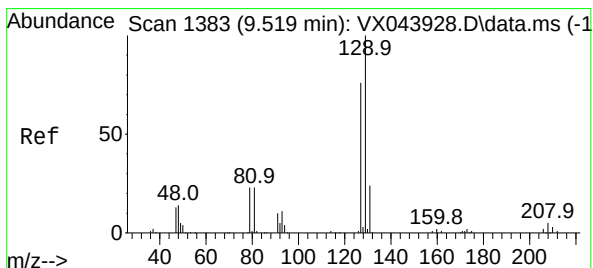
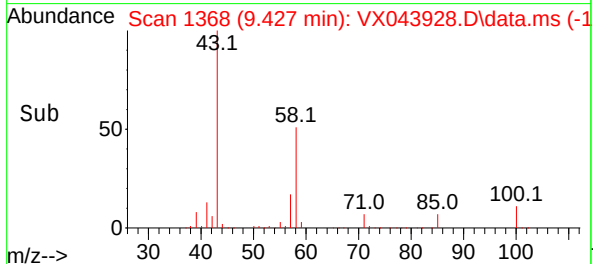
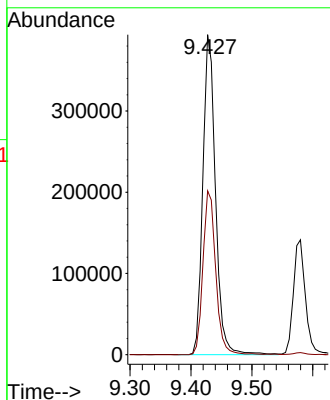
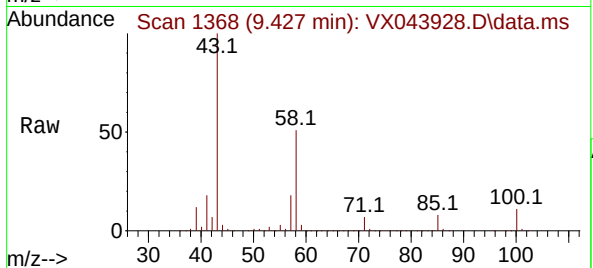
VSTDICCC050

Tgt Ion: 43 Resp: 568460

Ion Ratio Lower Upper

43 100

58 51.7 25.9 77.6



#60

Dibromochloromethane

Concen: 57.569 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. 0.000 min

Lab File: VX043928.D

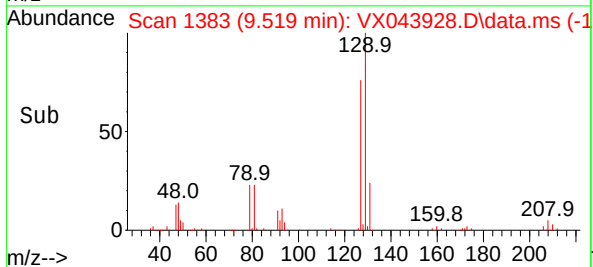
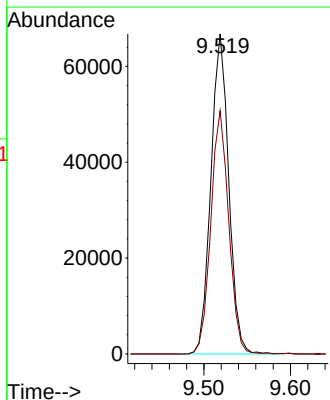
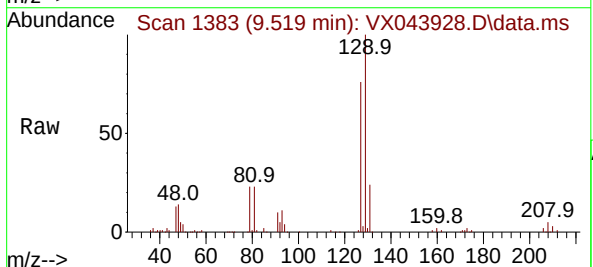
Acq: 21 Nov 2024 11:17

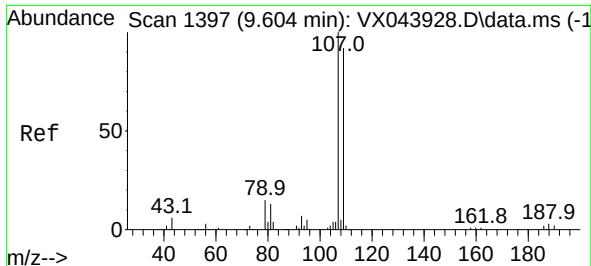
Tgt Ion: 129 Resp: 95641

Ion Ratio Lower Upper

129 100

127 76.4 38.2 114.6





#61

1,2-Dibromoethane

Concen: 55.510 ug/l

RT: 9.604 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

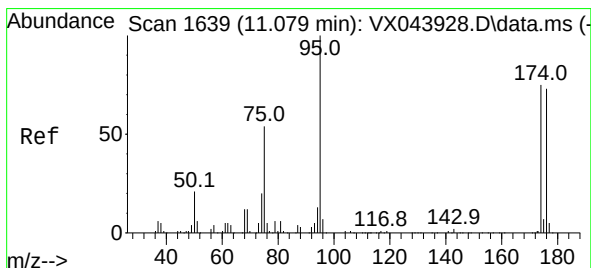
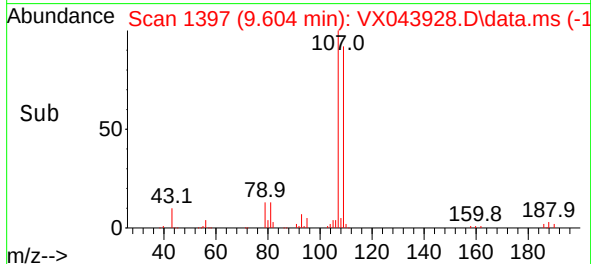
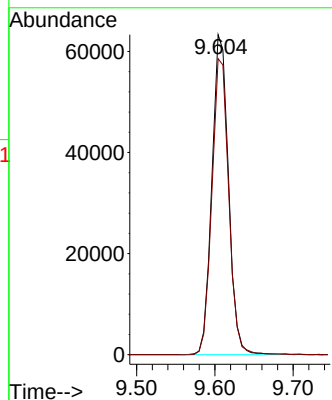
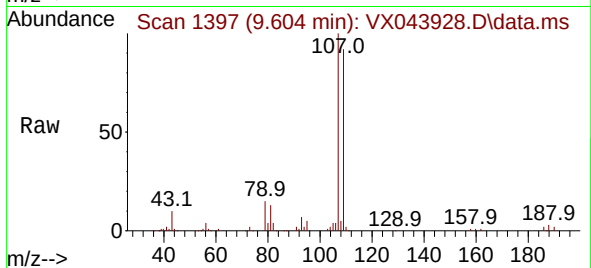
VSTDICCC050

Tgt Ion:107 Resp: 92940

Ion Ratio Lower Upper

107 100

109 94.0 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 46.166 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

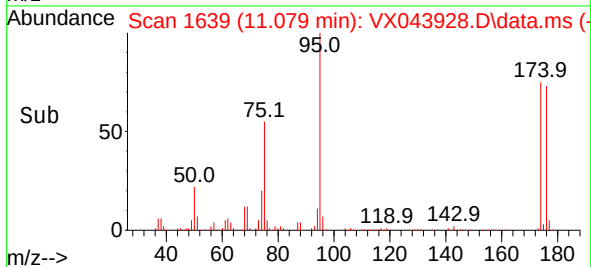
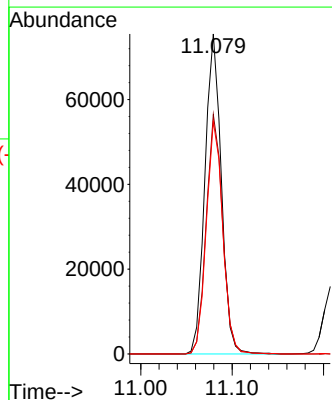
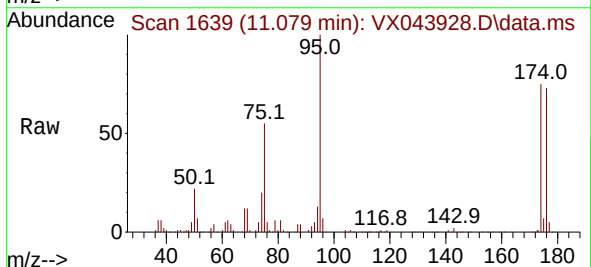
Tgt Ion: 95 Resp: 93510

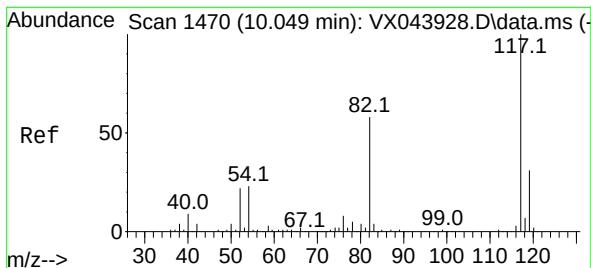
Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 73.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

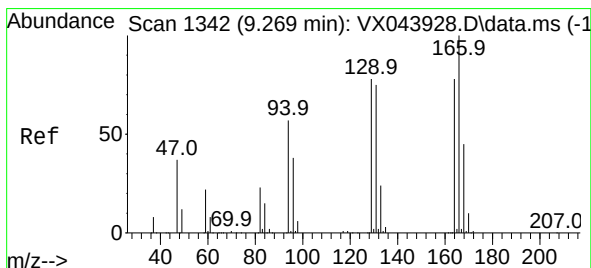
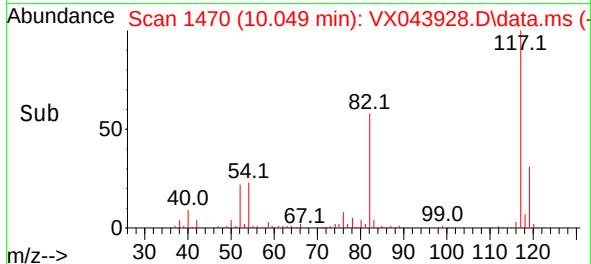
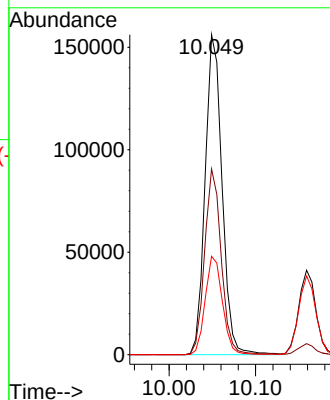
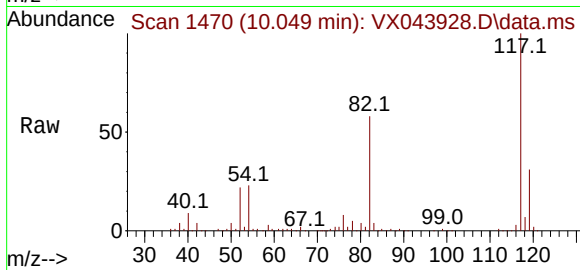
Tgt Ion:117 Resp: 212243

Ion Ratio Lower Upper

117 100

82 58.0 46.4 69.6

119 30.8 24.6 37.0



#64

Tetrachloroethene

Concen: 52.988 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Tgt Ion:164 Resp: 74157

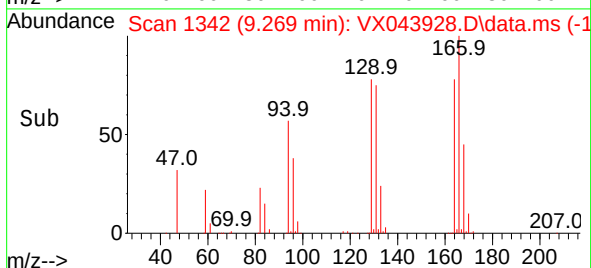
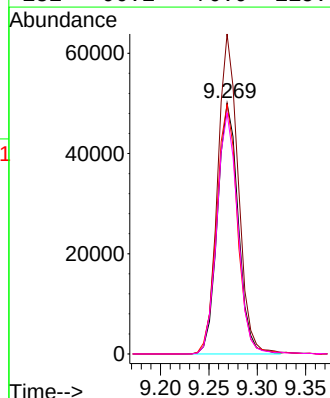
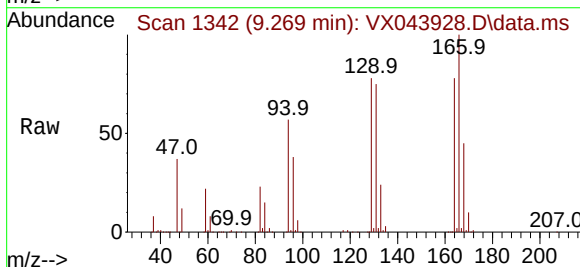
Ion Ratio Lower Upper

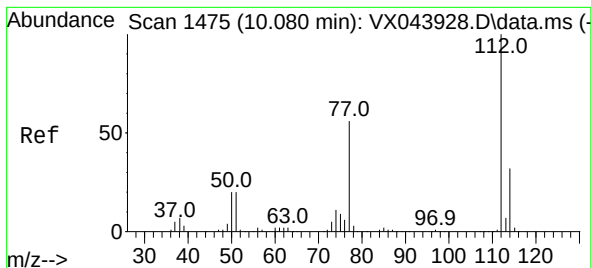
164 100

166 127.6 102.1 153.1

129 99.5 79.6 119.4

131 96.1 76.9 115.3

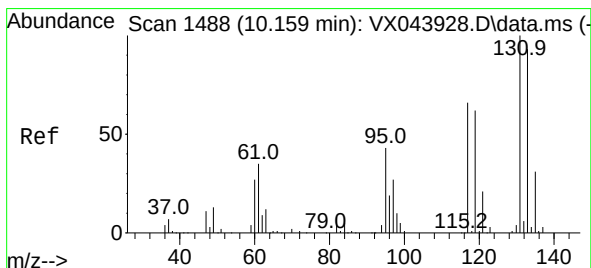
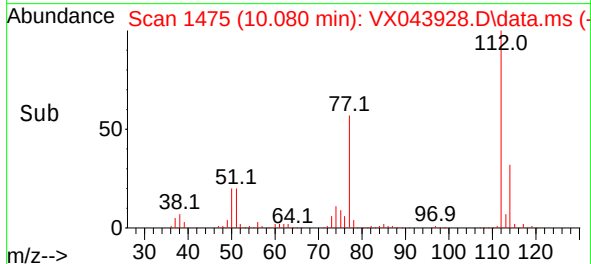
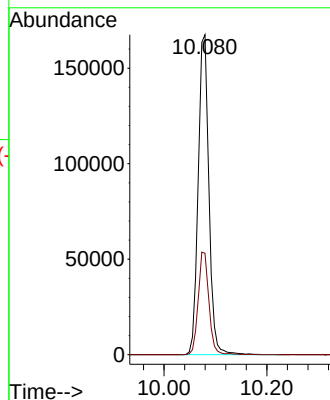
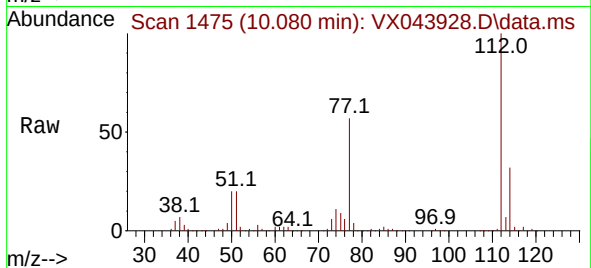




#65  
Chlorobenzene  
Concen: 52.147 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

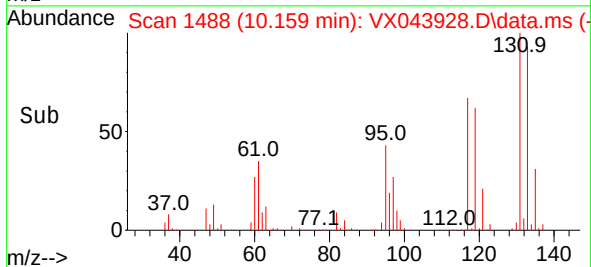
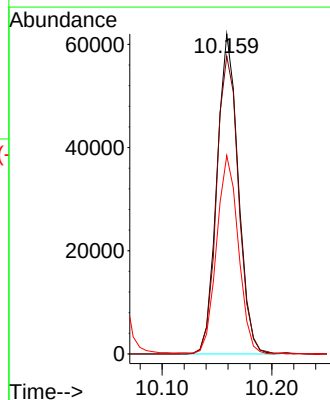
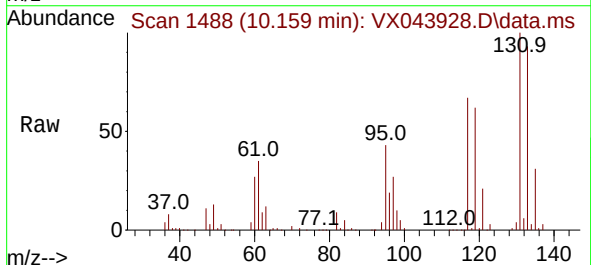
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

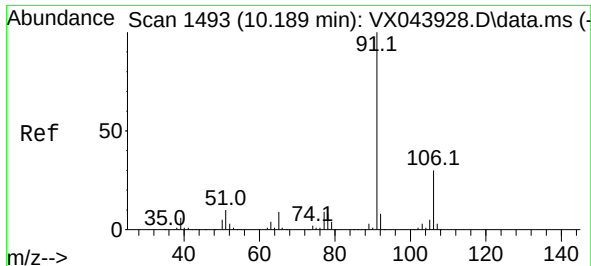
Tgt Ion:112 Resp: 243080  
Ion Ratio Lower Upper  
112 100  
114 31.7 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 55.520 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion:131 Resp: 83934  
Ion Ratio Lower Upper  
131 100  
133 96.4 48.2 144.6  
119 63.0 31.5 94.5





#67

Ethyl Benzene

Concen: 54.383 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

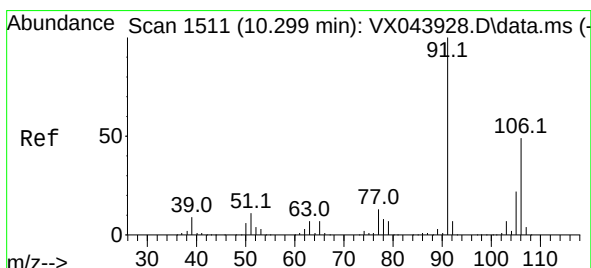
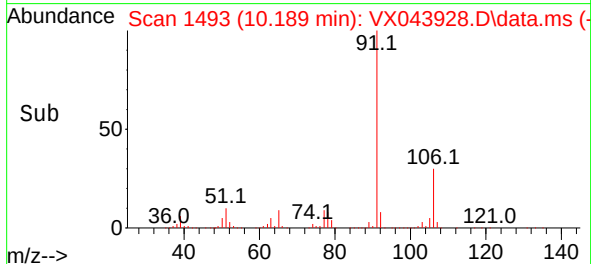
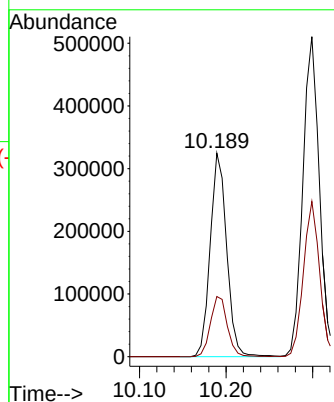
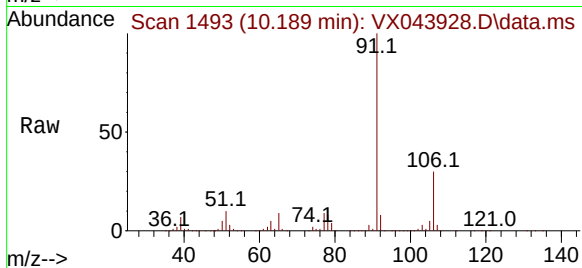
VSTDICCC050

Tgt Ion: 91 Resp: 429559

Ion Ratio Lower Upper

91 100

106 29.5 23.6 35.4



#68

m/p-Xylenes

Concen: 109.878 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX043928.D

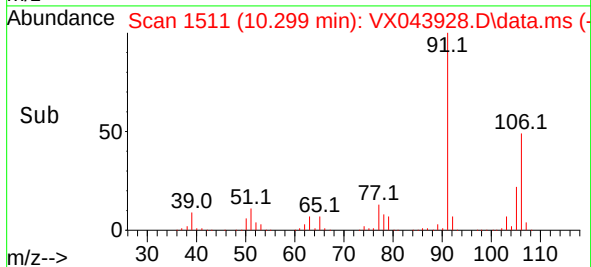
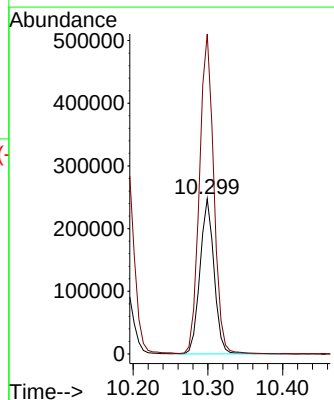
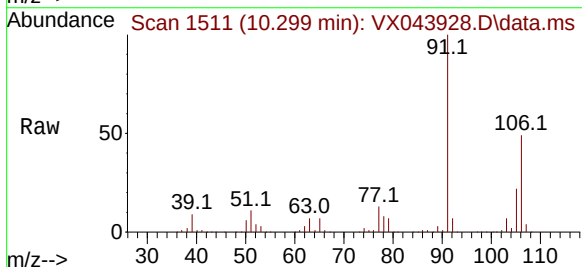
Acq: 21 Nov 2024 11:17

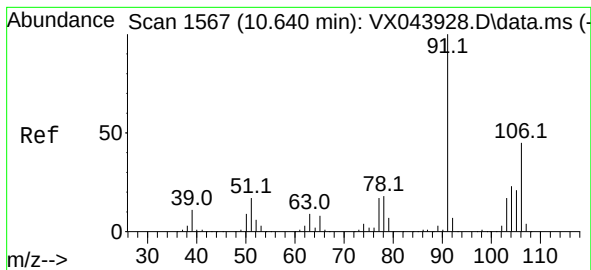
Tgt Ion:106 Resp: 323661

Ion Ratio Lower Upper

106 100

91 210.1 168.1 252.1

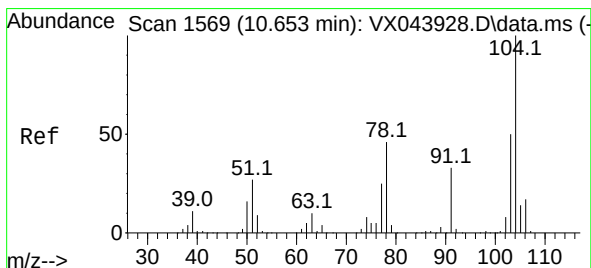
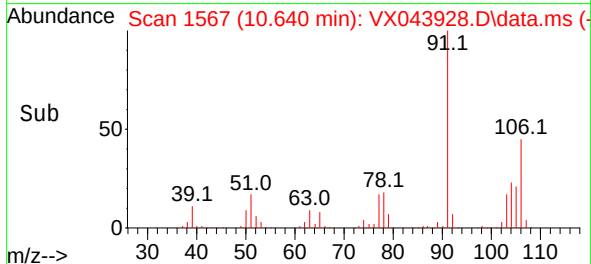
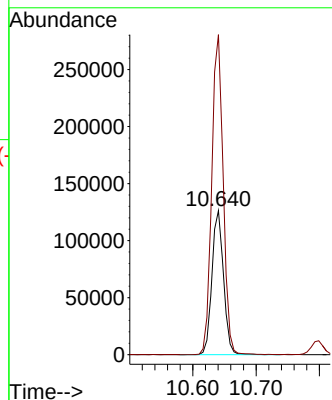
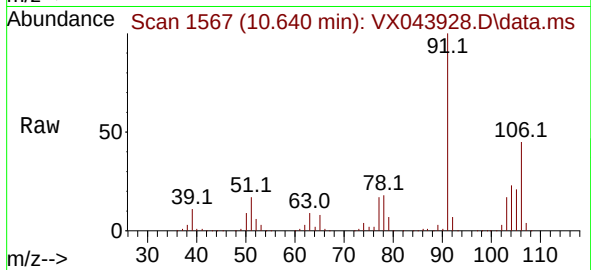




#69  
o-Xylene  
Concen: 55.856 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

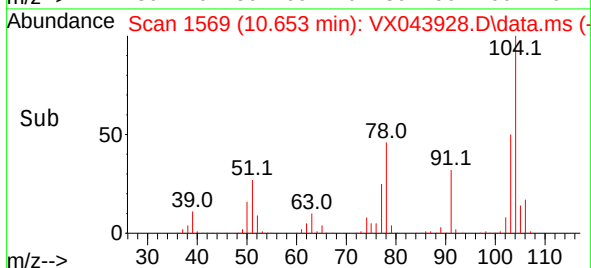
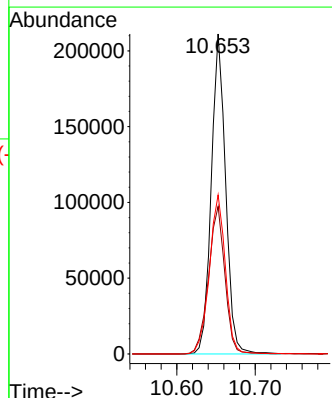
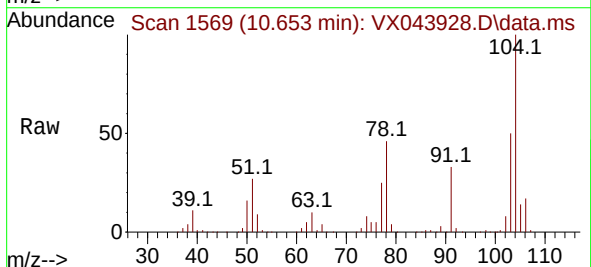
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

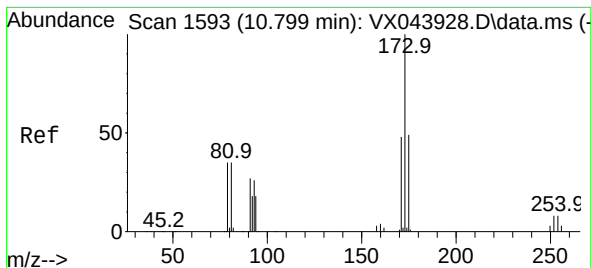
Tgt Ion:106 Resp: 160643  
Ion Ratio Lower Upper  
106 100  
91 220.4 110.2 330.6



#70  
Styrene  
Concen: 56.341 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion:104 Resp: 268004  
Ion Ratio Lower Upper  
104 100  
78 52.7 42.2 63.2  
103 55.9 44.7 67.1





#71

Bromoform

Concen: 52.275 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

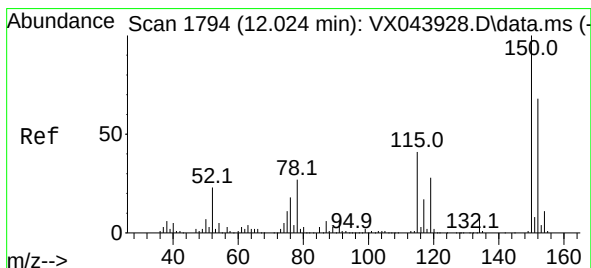
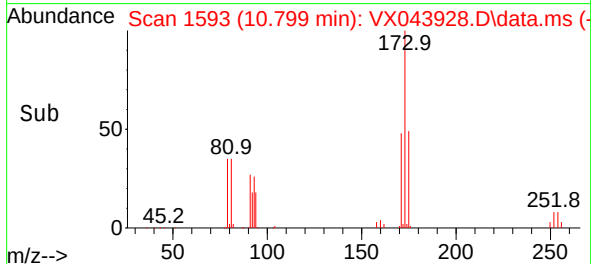
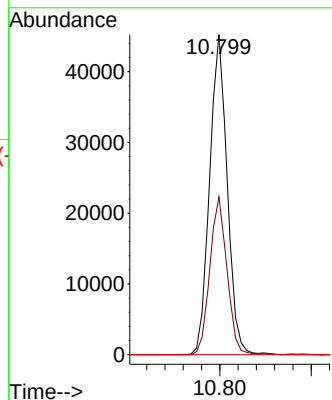
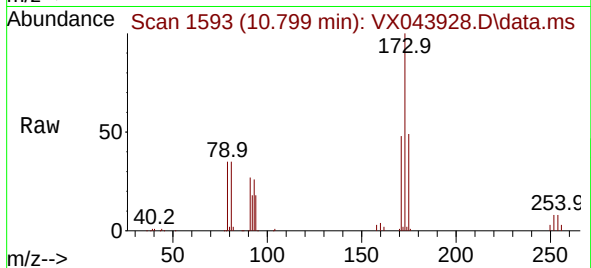
Tgt Ion:173 Resp: 60267

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

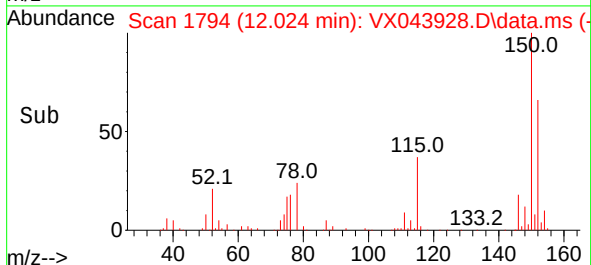
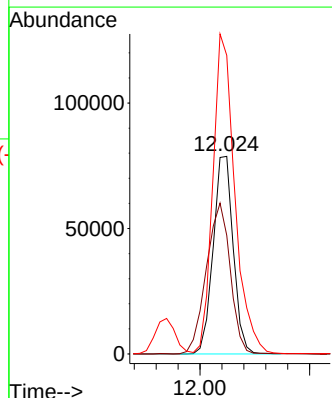
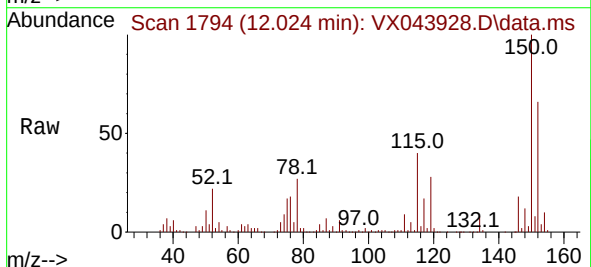
Tgt Ion:152 Resp: 100316

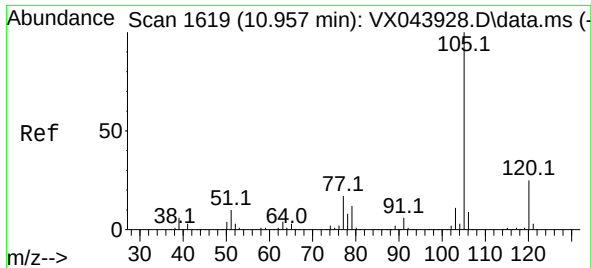
Ion Ratio Lower Upper

152 100

115 90.8 45.4 136.2

150 176.5 0.0 353.0

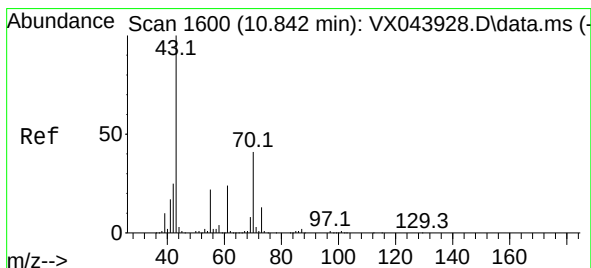
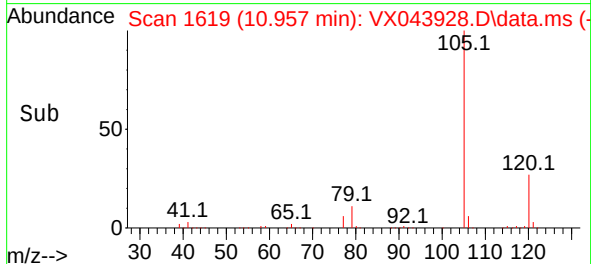
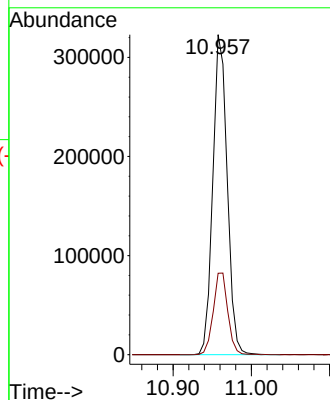
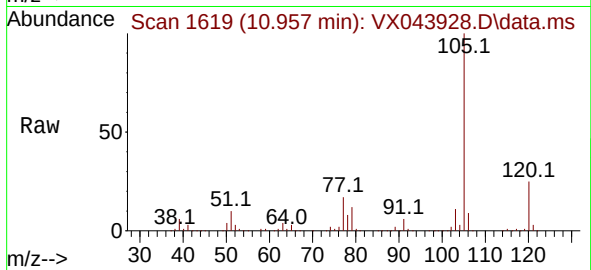




#73  
Isopropylbenzene  
Concen: 53.299 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

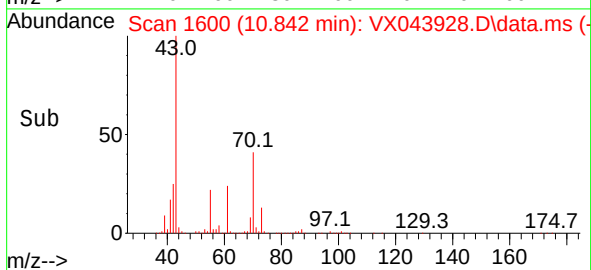
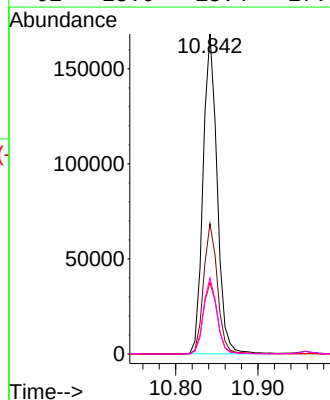
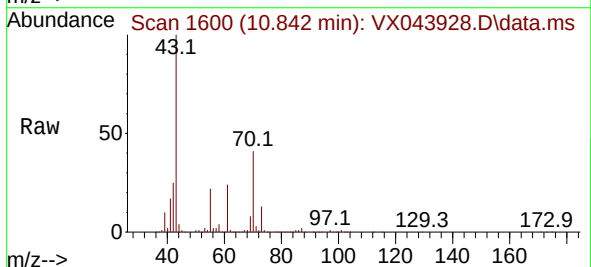
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Tgt Ion:105 Resp: 411000  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.0 38.9

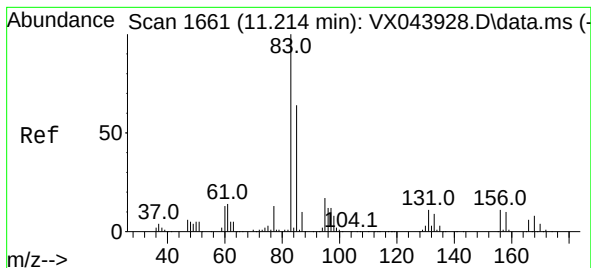


#74  
N-ethyl acetate  
Concen: 56.042 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 43 Resp: 200195  
Ion Ratio Lower Upper  
43 100  
70 40.2 32.2 48.2  
55 22.6 18.1 27.1  
61 23.0 18.4 27.6







#75

1,1,2,2-Tetrachloroethane

Concen: 52.930 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

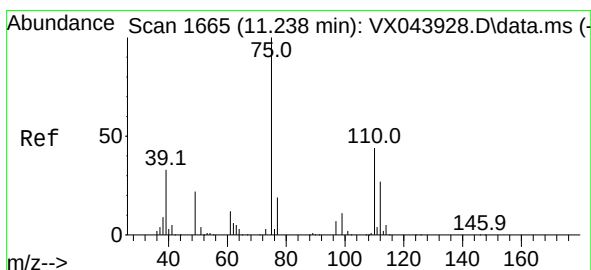
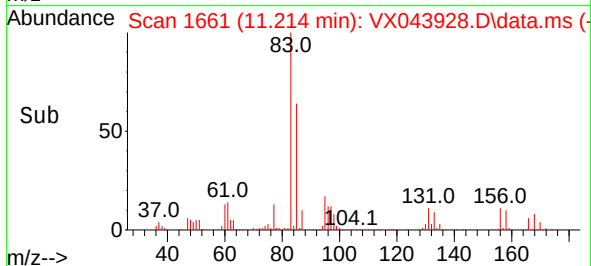
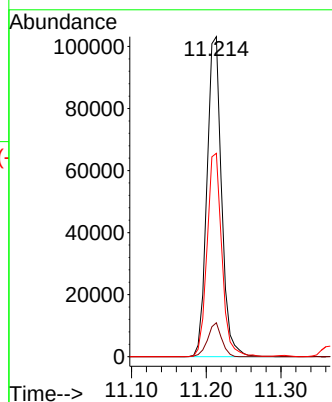
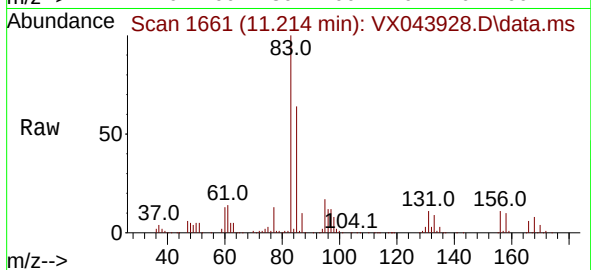
Tgt Ion: 83 Resp: 139756

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.4 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 72.666 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. 0.000 min

Lab File: VX043928.D

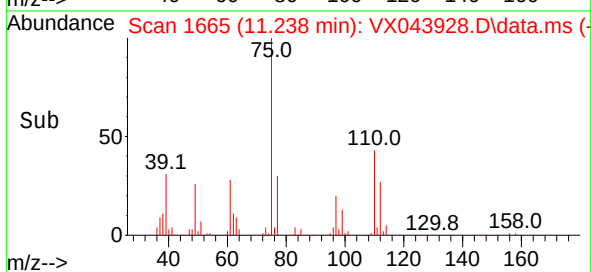
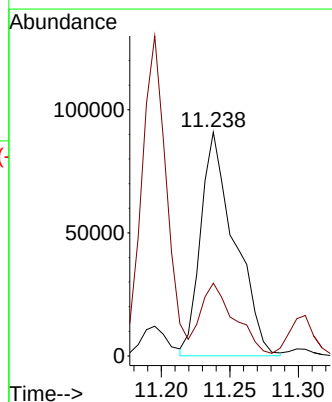
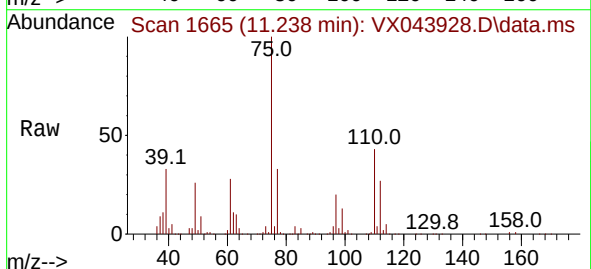
Acq: 21 Nov 2024 11:17

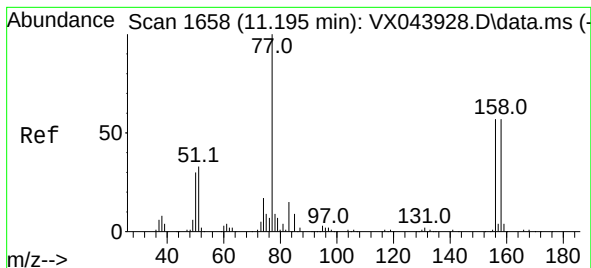
Tgt Ion: 75 Resp: 157199

Ion Ratio Lower Upper

75 100

77 32.8 21.8 65.3





#77

Bromobenzene

Concen: 53.145 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

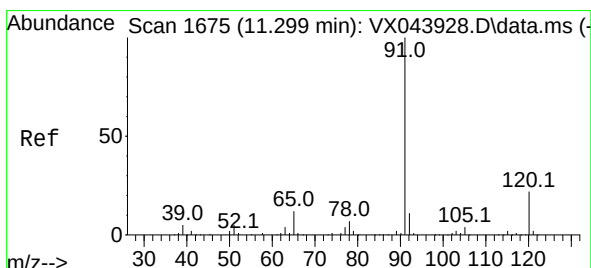
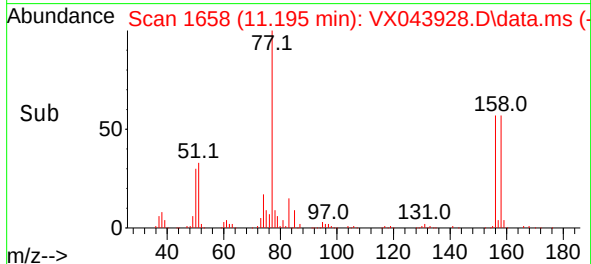
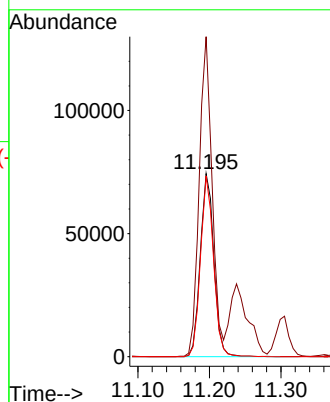
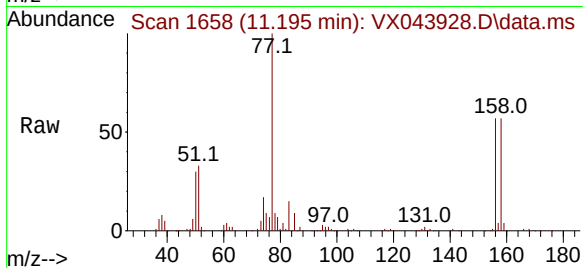
Tgt Ion:156 Resp: 97761

Ion Ratio Lower Upper

156 100

77 166.7 83.4 250.1

158 95.2 47.6 142.8



#78

n-propylbenzene

Concen: 55.131 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. 0.000 min

Lab File: VX043928.D

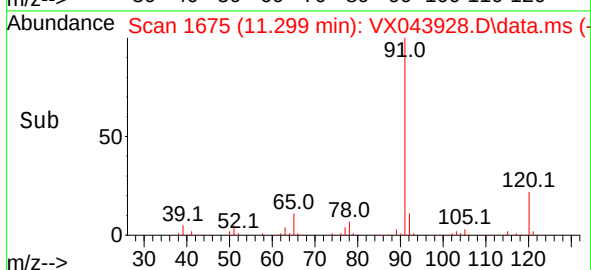
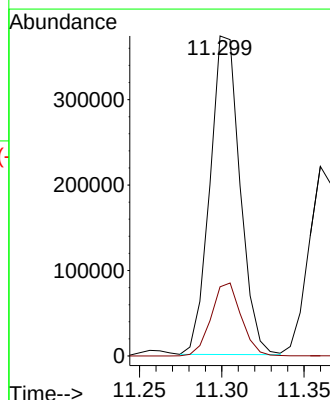
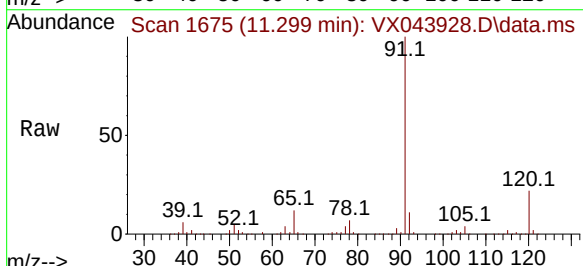
Acq: 21 Nov 2024 11:17

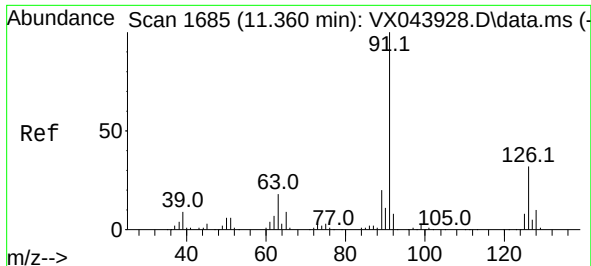
Tgt Ion: 91 Resp: 474802

Ion Ratio Lower Upper

91 100

120 22.9 11.5 34.4

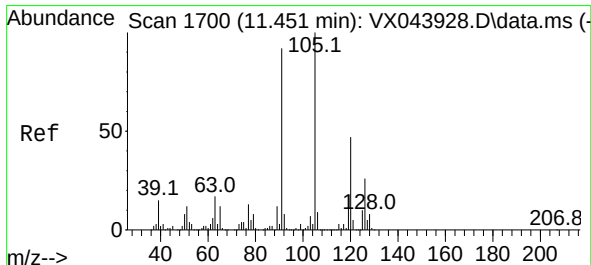
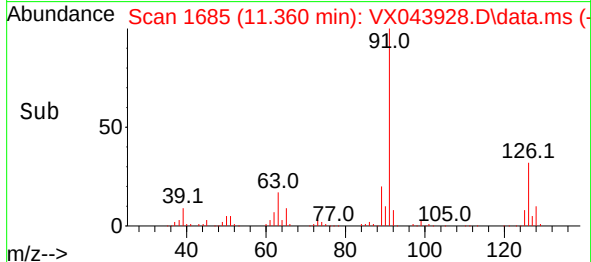
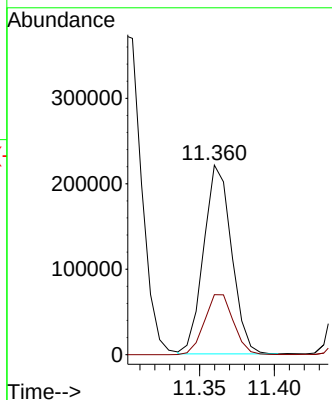
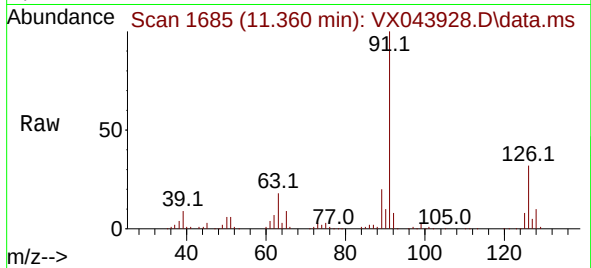




#79  
2-Chlorotoluene  
Concen: 52.636 ug/l  
RT: 11.360 min Scan# 1685  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

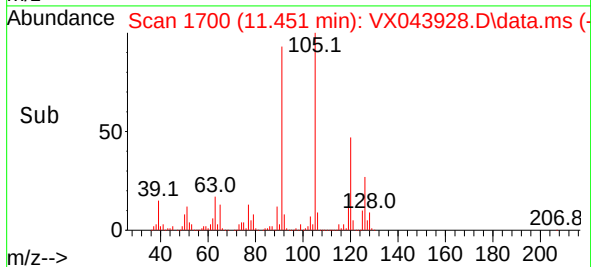
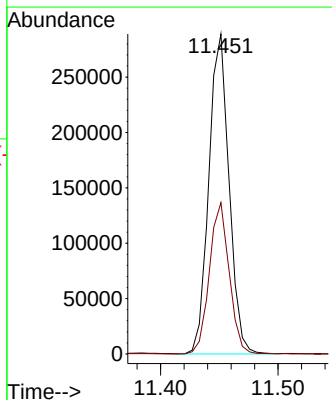
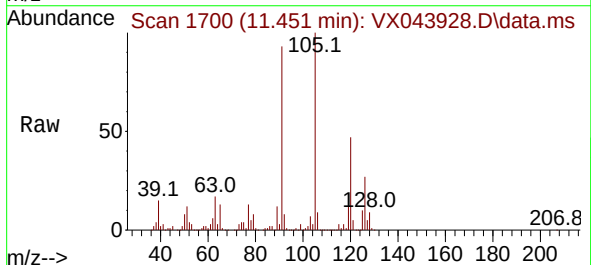
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

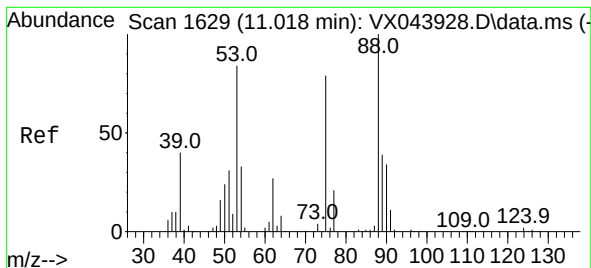
Tgt Ion: 91 Resp: 286649  
Ion Ratio Lower Upper  
91 100  
126 33.2 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 54.465 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion:105 Resp: 345531  
Ion Ratio Lower Upper  
105 100  
120 46.5 23.3 69.8

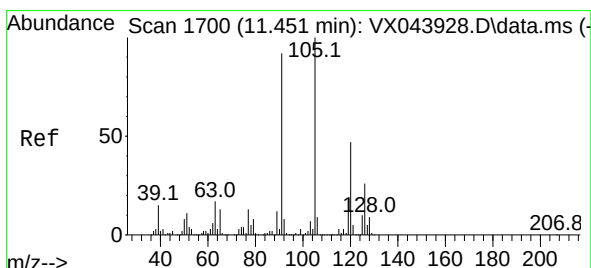
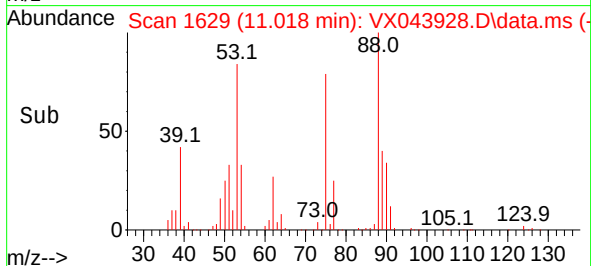
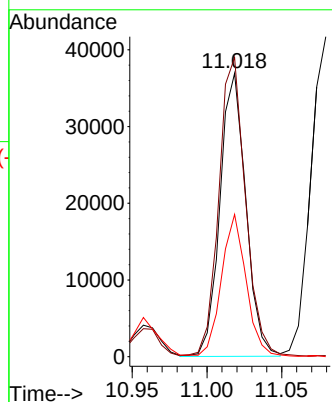
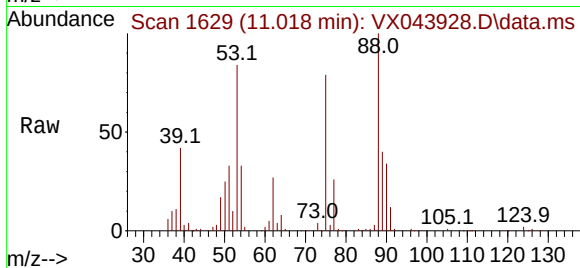




#81  
trans-1,4-Dichloro-2-butene  
Concen: 55.136 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

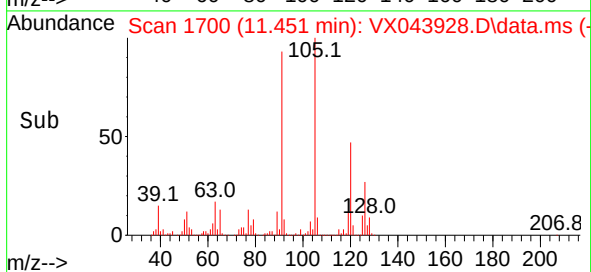
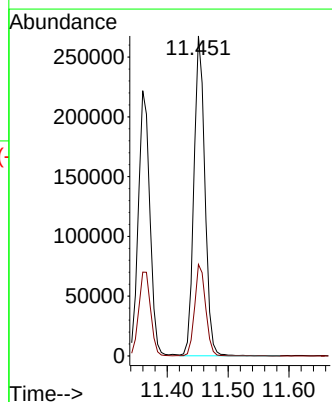
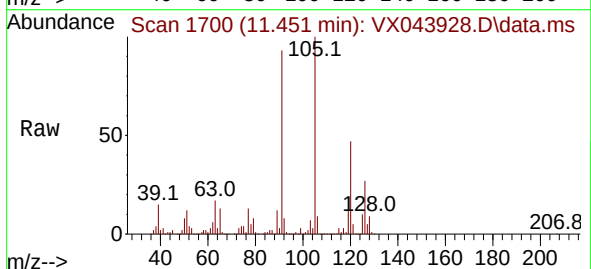
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

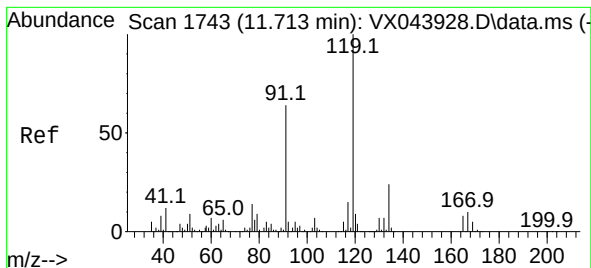
Tgt Ion: 75 Resp: 44450  
Ion Ratio Lower Upper  
75 100  
53 108.4 86.7 130.1  
89 47.7 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 54.315 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 91 Resp: 333946  
Ion Ratio Lower Upper  
91 100  
126 28.6 14.3 42.9





#83

tert-Butylbenzene

Concen: 54.884 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

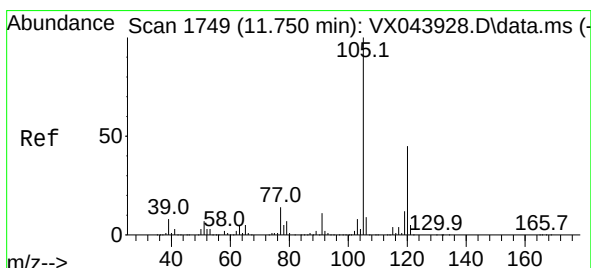
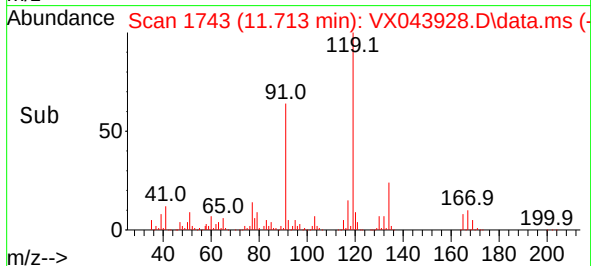
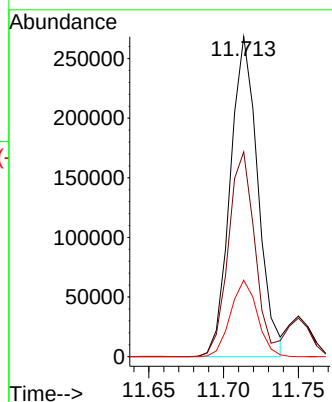
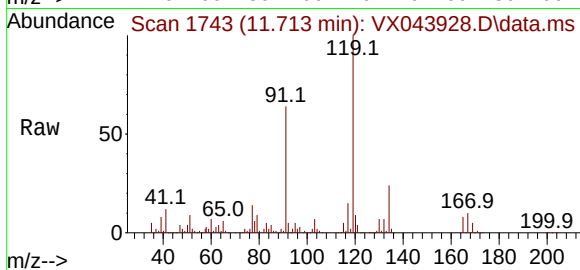
Tgt Ion:119 Resp: 345112

Ion Ratio Lower Upper

119 100

91 62.0 31.0 93.0

134 23.2 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 54.640 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX043928.D

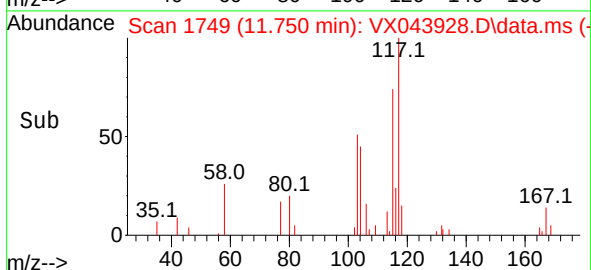
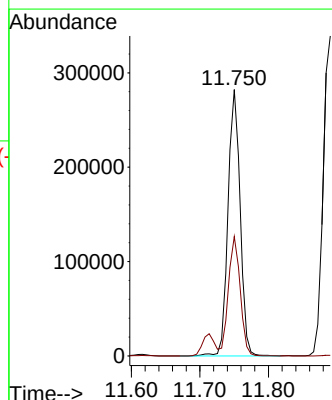
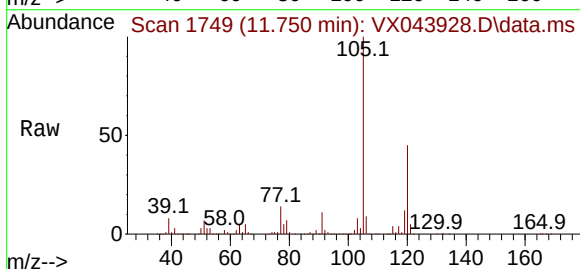
Acq: 21 Nov 2024 11:17

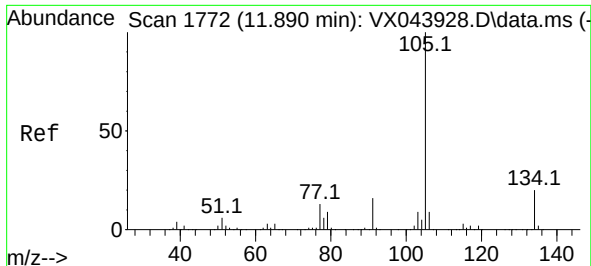
Tgt Ion:105 Resp: 345112

Ion Ratio Lower Upper

105 100

120 43.8 21.9 65.7

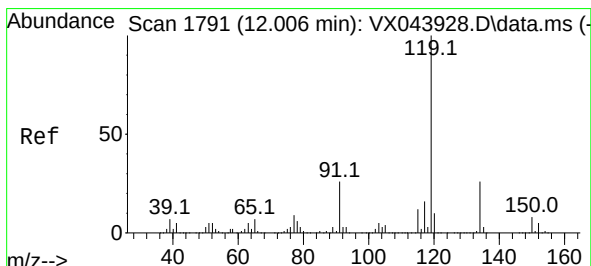
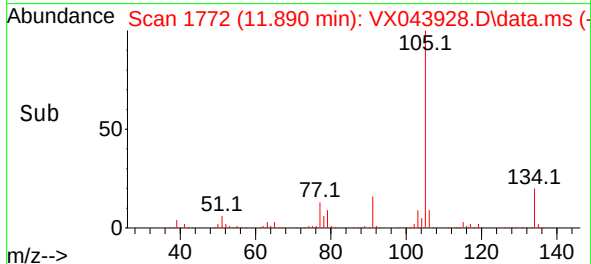
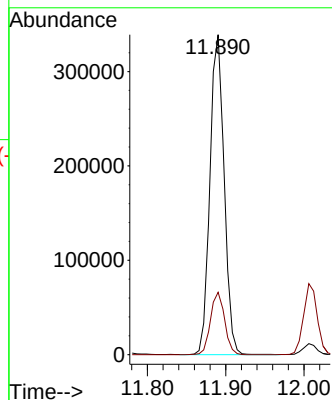
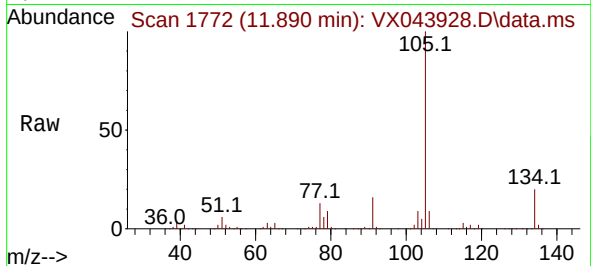




#85  
sec-Butylbenzene  
Concen: 55.331 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

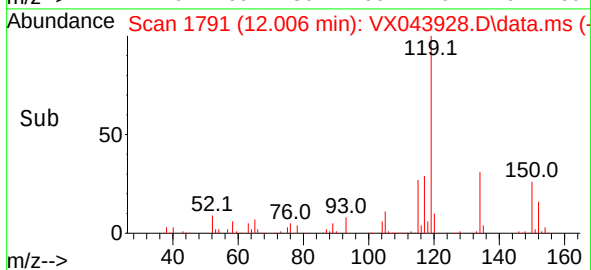
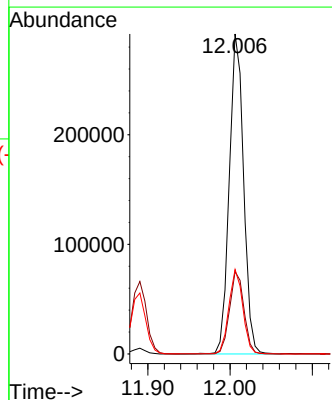
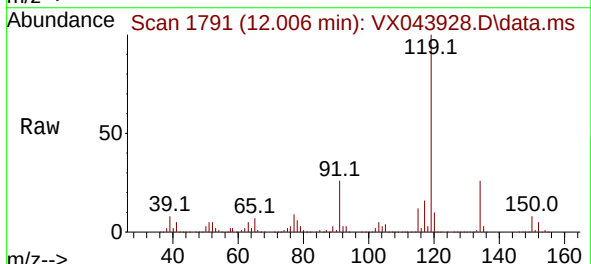
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

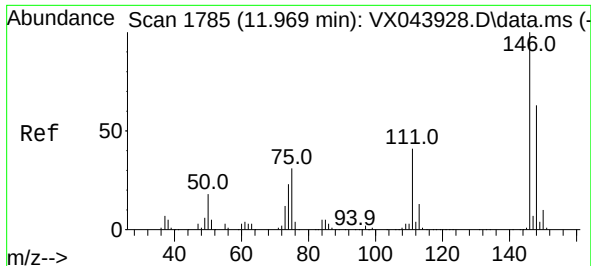
Tgt Ion:105 Resp: 426284  
Ion Ratio Lower Upper  
105 100  
134 19.4 9.7 29.1



#86  
p-Isopropyltoluene  
Concen: 56.448 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion:119 Resp: 353256  
Ion Ratio Lower Upper  
119 100  
134 25.9 13.0 38.9  
91 25.9 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 52.812 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

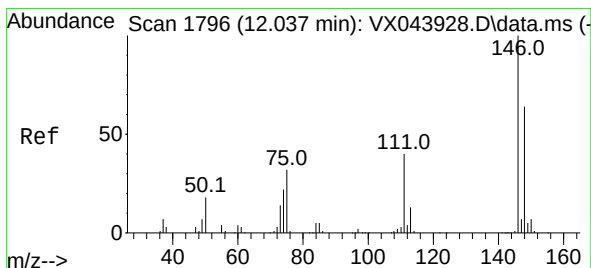
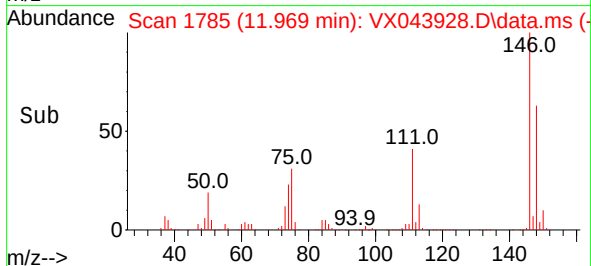
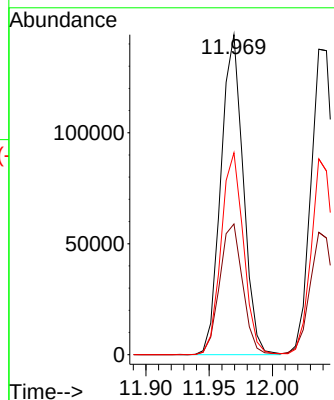
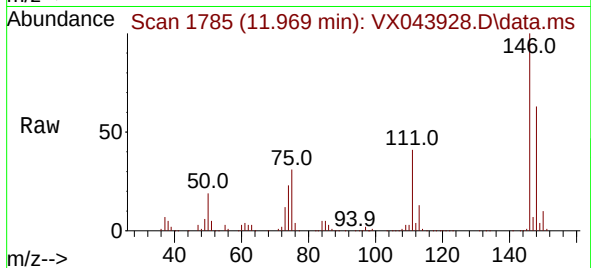
Tgt Ion:146 Resp: 176936

Ion Ratio Lower Upper

146 100

111 42.2 21.1 63.3

148 63.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 52.530 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

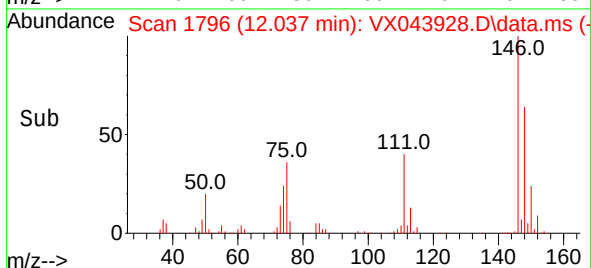
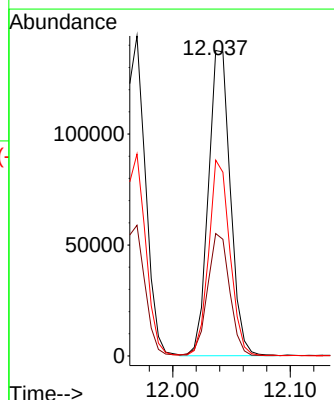
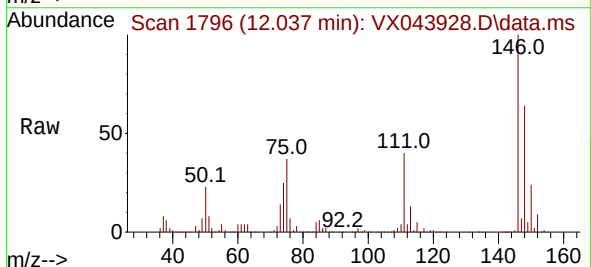
Tgt Ion:146 Resp: 178728

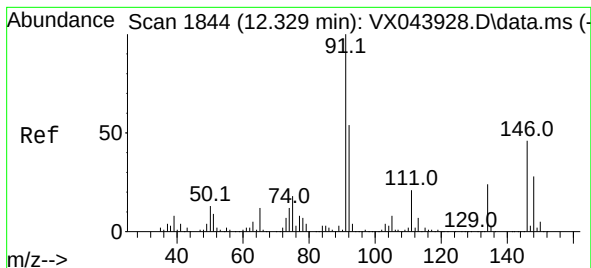
Ion Ratio Lower Upper

146 100

111 40.2 20.1 60.3

148 61.9 30.9 92.8





#89

n-Butylbenzene

Concen: 57.897 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

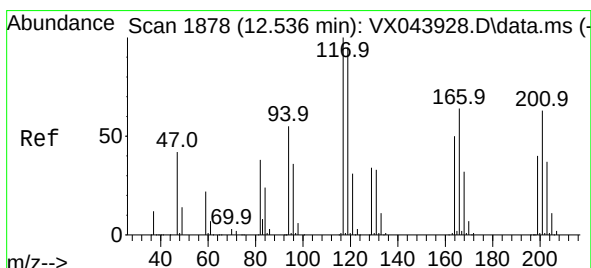
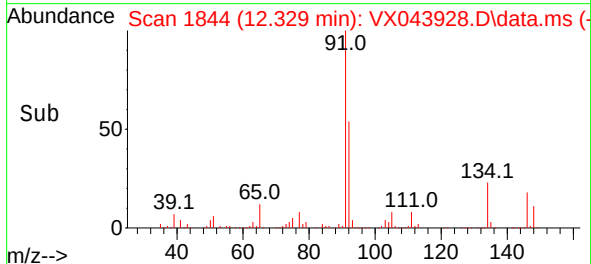
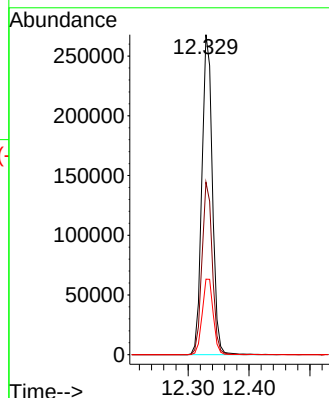
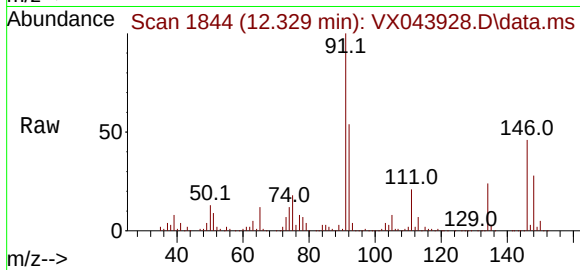
Tgt Ion: 91 Resp: 319448

Ion Ratio Lower Upper

91 100

92 53.2 26.6 79.8

134 24.8 12.4 37.2



#90

Hexachloroethane

Concen: 55.453 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. 0.000 min

Lab File: VX043928.D

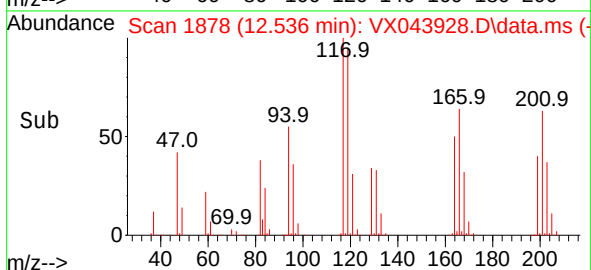
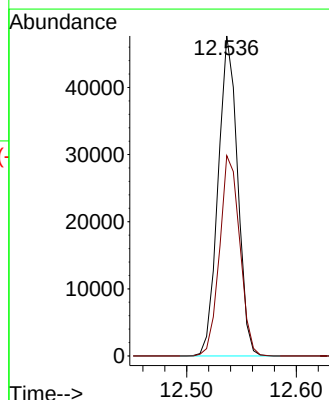
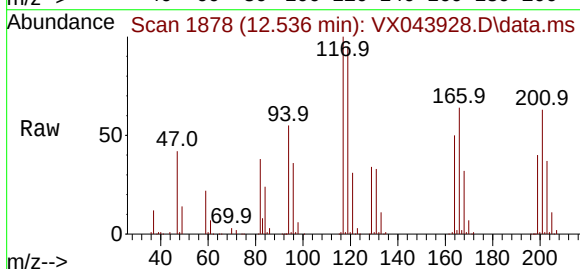
Acq: 21 Nov 2024 11:17

Tgt Ion: 117 Resp: 59010

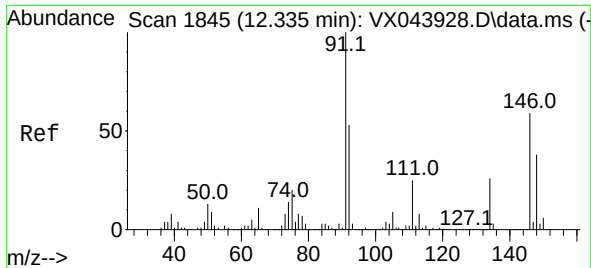
Ion Ratio Lower Upper

117 100

201 64.7 32.4 97.0



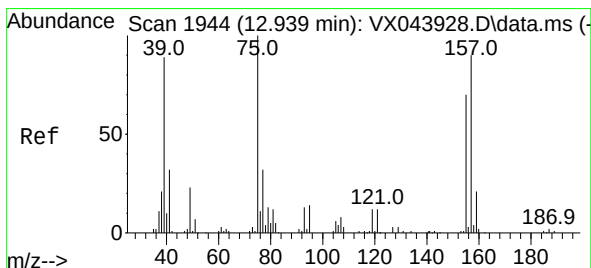
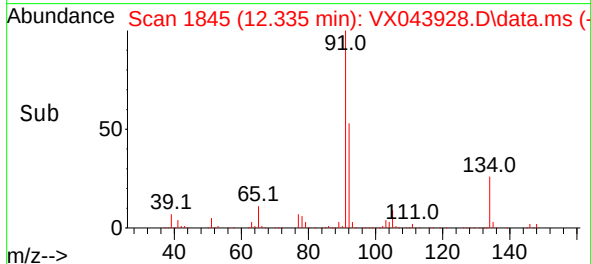
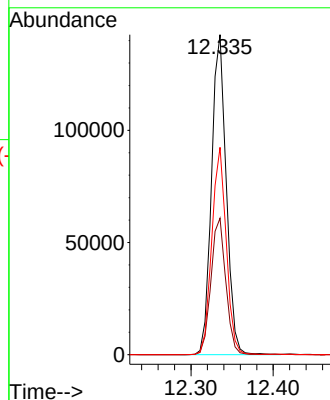
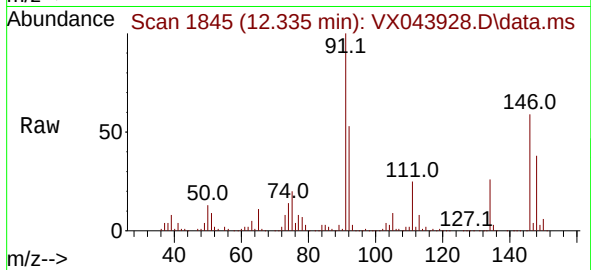




#91  
1,2-Dichlorobenzene  
Concen: 52.449 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

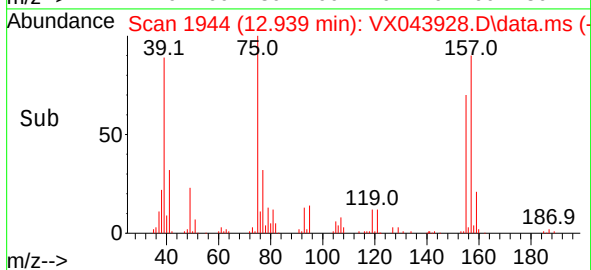
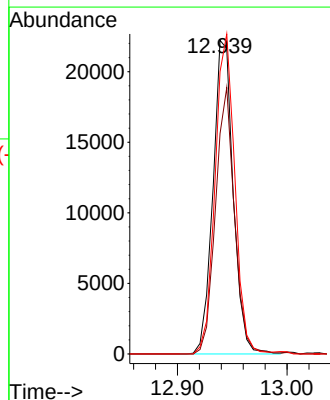
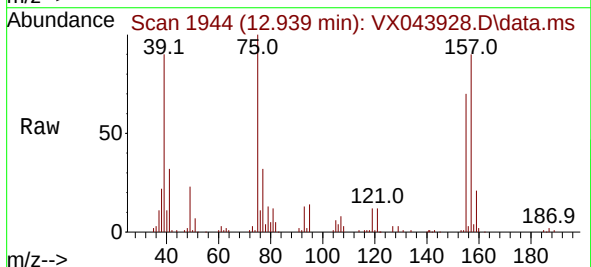
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

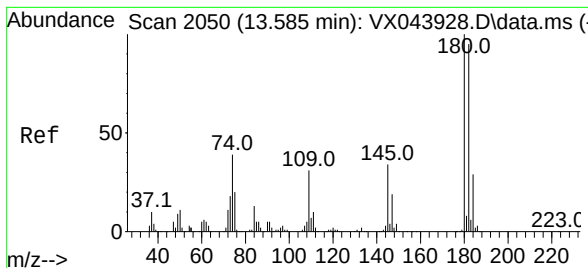
Tgt Ion:146 Resp: 177334  
Ion Ratio Lower Upper  
146 100  
111 43.0 21.5 64.5  
148 63.7 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 53.806 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. 0.000 min  
Lab File: VX043928.D  
Acq: 21 Nov 2024 11:17

Tgt Ion: 75 Resp: 28467  
Ion Ratio Lower Upper  
75 100  
155 80.1 40.1 120.2  
157 99.3 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 54.556 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

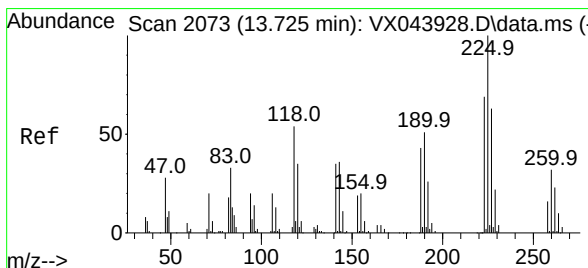
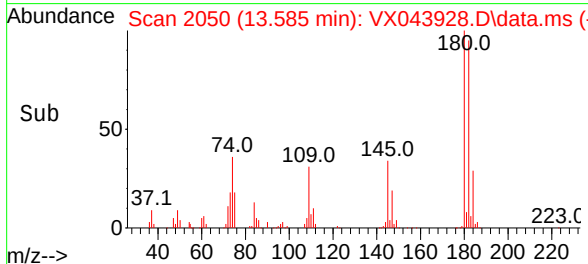
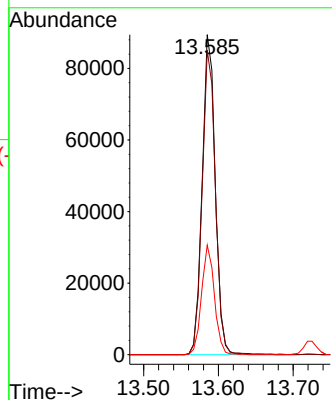
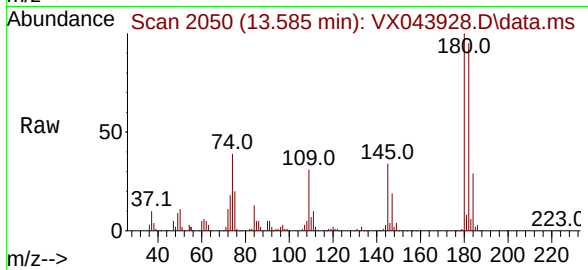
Tgt Ion:180 Resp: 108749

Ion Ratio Lower Upper

180 100

182 96.1 48.0 144.2

145 33.6 16.8 50.4



#94

Hexachlorobutadiene

Concen: 52.382 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

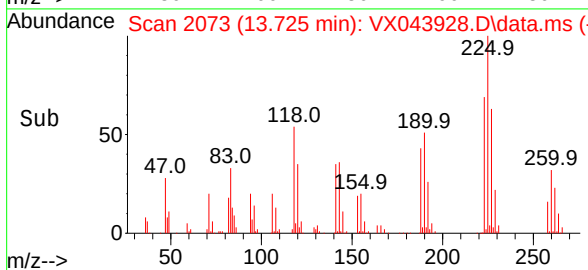
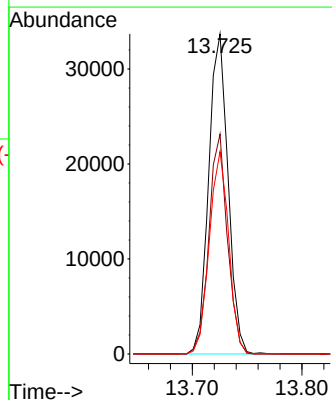
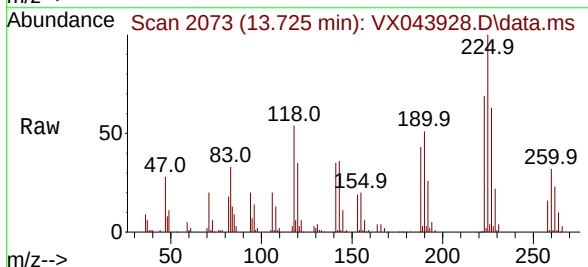
Tgt Ion:225 Resp: 41267

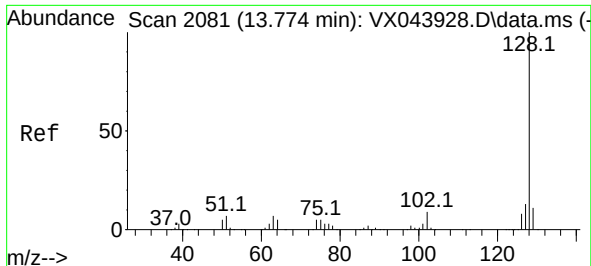
Ion Ratio Lower Upper

225 100

223 65.7 32.9 98.6

227 63.2 31.6 94.8





#95

Naphthalene

Concen: 55.990 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICCC050

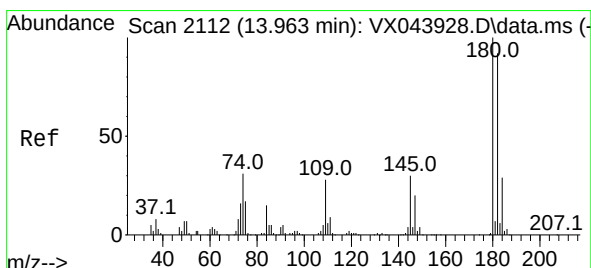
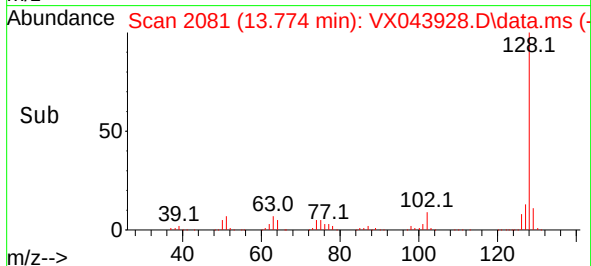
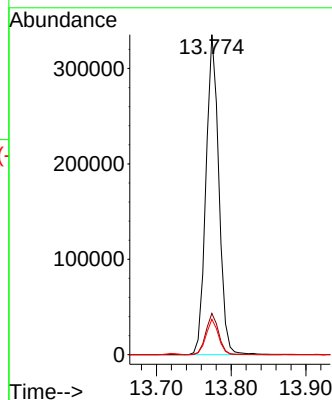
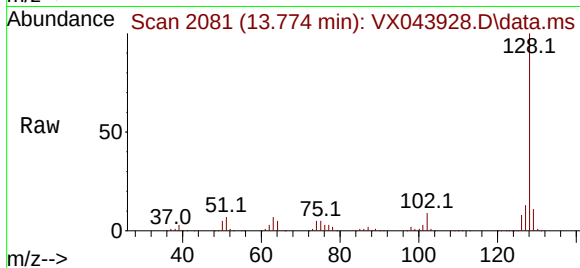
Tgt Ion:128 Resp: 401752

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

129 10.7 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 55.593 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.000 min

Lab File: VX043928.D

Acq: 21 Nov 2024 11:17

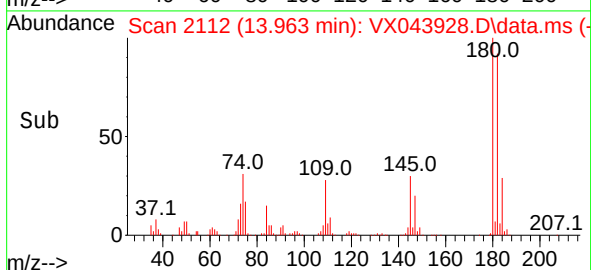
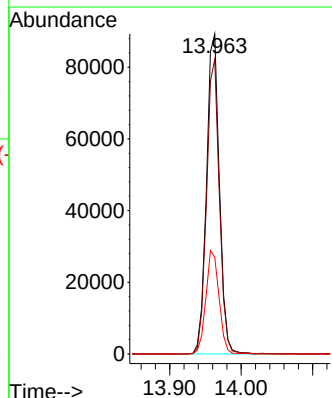
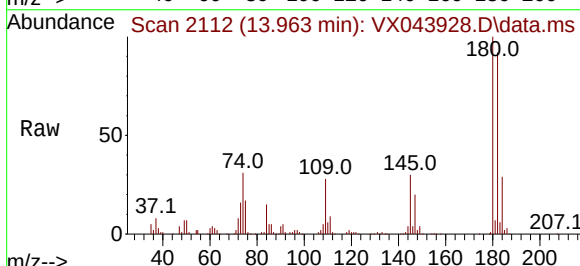
Tgt Ion:180 Resp: 112162

Ion Ratio Lower Upper

180 100

182 91.2 45.6 136.8

145 32.9 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043929.D  
 Acq On : 21 Nov 2024 11:40  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 22 03:31:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 138314   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 246419   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 215595   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 104048   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 236531   | 99.704   | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 199.400%# |      |
| 35) Dibromofluoromethane    | 5.379  | 113   | 176869   | 100.449  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 200.900%# |      |
| 50) Toluene-d8              | 8.647  | 98    | 607337   | 100.062  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 200.120%# |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 215953   | 104.545  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 209.080%# |      |

|                              |       |     |         |         |          |
|------------------------------|-------|-----|---------|---------|----------|
| Target Compounds             |       |     |         |         | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 166145  | 94.820  | ug/l 99  |
| 3) Chloromethane             | 1.295 | 50  | 183899  | 99.735  | ug/l 100 |
| 4) Vinyl Chloride            | 1.374 | 62  | 192221  | 98.011  | ug/l 98  |
| 5) Bromomethane              | 1.593 | 94  | 118792  | 98.459  | ug/l 98  |
| 6) Chloroethane              | 1.660 | 64  | 101816  | 85.198  | ug/l 99  |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 354375  | 101.066 | ug/l 100 |
| 8) Diethyl Ether             | 2.136 | 74  | 125840  | 98.466  | ug/l 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 162988  | 97.448  | ug/l 99  |
| 10) Methyl Iodide            | 2.441 | 142 | 213858  | 102.378 | ug/l 99  |
| 11) Tert butyl alcohol       | 3.002 | 59  | 184757  | 485.208 | ug/l 99  |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 158111  | 99.205  | ug/l 97  |
| 13) Acrolein                 | 2.240 | 56  | 200929  | 500.625 | ug/l 97  |
| 14) Allyl chloride           | 2.654 | 41  | 276068  | 106.008 | ug/l 98  |
| 15) Acrylonitrile            | 3.069 | 53  | 458624  | 494.243 | ug/l 98  |
| 16) Acetone                  | 2.386 | 43  | 511112  | 469.087 | ug/l 99  |
| 17) Carbon Disulfide         | 2.502 | 76  | 367958  | 111.925 | ug/l 99  |
| 18) Methyl Acetate           | 2.703 | 43  | 247225  | 97.433  | ug/l 99  |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 597600  | 103.267 | ug/l 100 |
| 20) Methylene Chloride       | 2.782 | 84  | 178008  | 96.271  | ug/l 96  |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 165989  | 100.875 | ug/l 93  |
| 22) Diisopropyl ether        | 3.764 | 45  | 572855  | 102.872 | ug/l 97  |
| 23) Vinyl Acetate            | 3.721 | 43  | 2570419 | 539.590 | ug/l 100 |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 327756  | 102.025 | ug/l 99  |
| 25) 2-Butanone               | 4.562 | 43  | 690992  | 491.491 | ug/l 99  |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 299254  | 103.146 | ug/l 99  |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 206207  | 101.381 | ug/l 99  |
| 28) Bromochloromethane       | 4.898 | 49  | 138227  | 97.752  | ug/l 97  |
| 29) Tetrahydrofuran          | 5.007 | 42  | 419743  | 486.991 | ug/l 99  |
| 30) Chloroform               | 5.087 | 83  | 350923  | 101.565 | ug/l 97  |
| 31) Cyclohexane              | 5.458 | 56  | 256114  | 96.865  | ug/l 98  |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 309469  | 103.862 | ug/l 99  |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 222573  | 101.439 | ug/l 98  |
| 37) Ethyl Acetate            | 4.715 | 43  | 265631  | 97.527  | ug/l 99  |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 256290  | 103.953 | ug/l 99  |
| 39) Methylcyclohexane        | 7.373 | 83  | 283075  | 99.308  | ug/l 97  |
| 40) Benzene                  | 6.032 | 78  | 684139  | 100.099 | ug/l 99  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043929.D  
 Acq On : 21 Nov 2024 11:40  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Quant Time: Nov 22 03:31:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 143256   | 102.765  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 271641   | 98.961   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 440615   | 101.652  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 169796   | 87.759   | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 170741   | 101.998  | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 135928   | 102.651  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 260442   | 109.665  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.690  | 41   | 210614   | 101.262  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 62845    | 1752.518 | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1329064  | 502.451  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 418999   | 102.426  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 270418   | 111.660  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 285627   | 107.584  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 167357   | 99.107   | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 286893   | 109.076  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 285511   | 100.370  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 698756   | 489.972  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 1011261  | 508.639  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 187476   | 110.653  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 176345   | 103.278  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 135740   | 95.484   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.080 | 112  | 461076   | 97.374   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 164586   | 107.177  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 812289   | 101.238  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 603451   | 201.677  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 298739   | 102.257  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 511251   | 105.807  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 123114   | 98.888   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.957 | 105  | 765623   | 95.726   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 394438   | 106.458  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 262302   | 95.779   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 297947   | 132.787  | ug/l   | 82       |
| 77) Bromobenzene              | 11.195 | 156  | 183742   | 96.304   | ug/l   | 100      |
| 78) n-propylbenzene           | 11.305 | 91   | 891893   | 99.846   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 537190   | 95.103   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 648916   | 98.618   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 88041    | 105.289  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 629590   | 98.728   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 655918   | 100.570  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 650156   | 99.244   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 793233   | 99.267   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 669819   | 103.194  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 337665   | 97.171   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 343312   | 97.283   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 605284   | 105.767  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 120913   | 109.549  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 341767   | 97.457   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 57287    | 104.396  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 210571   | 101.849  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 79822    | 97.688   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 776740   | 104.367  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 211814   | 101.219  | ug/l   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043929.D  
Acq On : 21 Nov 2024 11:40  
Operator : JC/MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 16 Sample Multiplier: 1

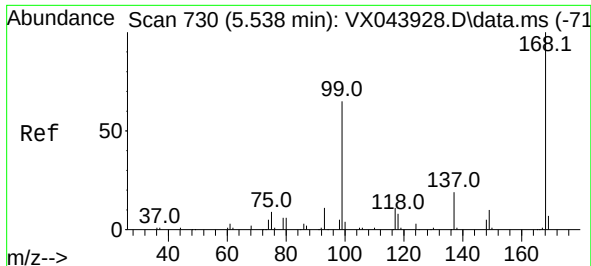
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Quant Time: Nov 22 03:31:33 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

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

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

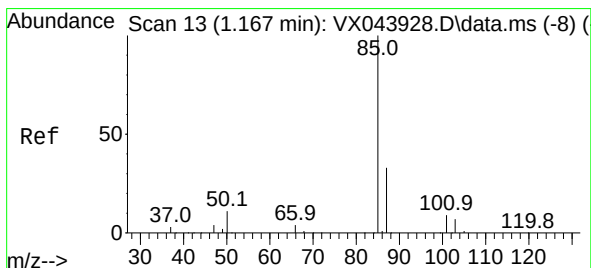
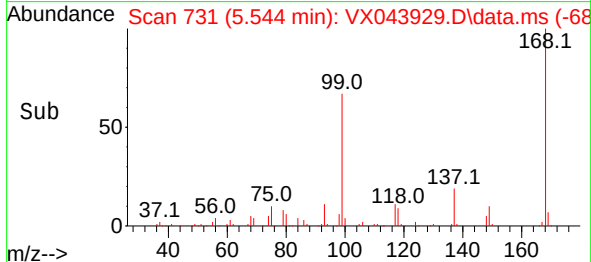
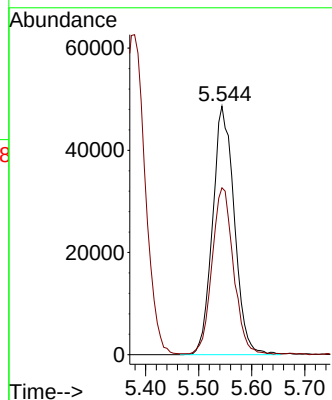
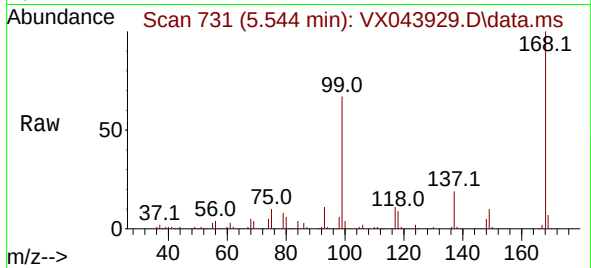




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

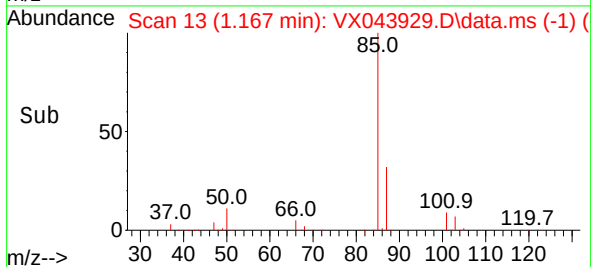
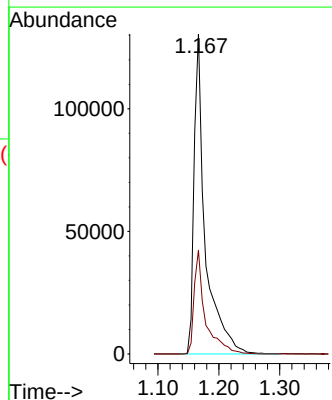
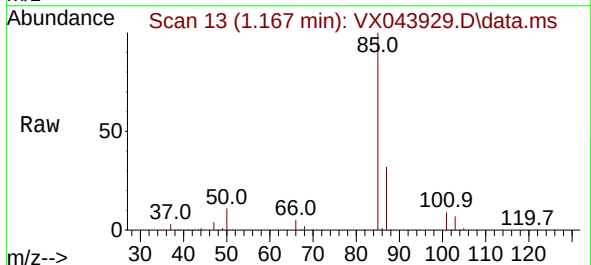
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion:168 Resp: 138314  
Ion Ratio Lower Upper  
168 100  
99 66.7 51.8 77.8

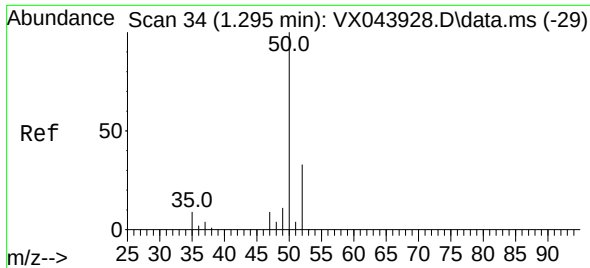


#2  
Dichlorodifluoromethane  
Concen: 94.820 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 85 Resp: 166145  
Ion Ratio Lower Upper  
85 100  
87 32.5 16.6 49.8



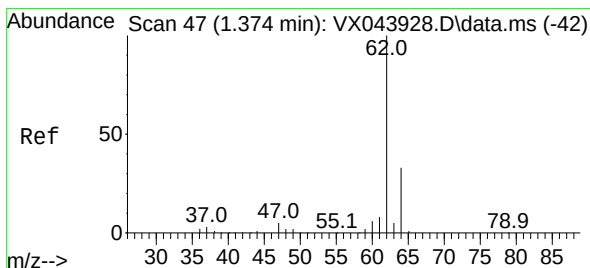
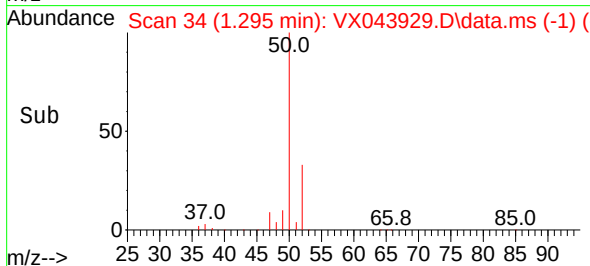
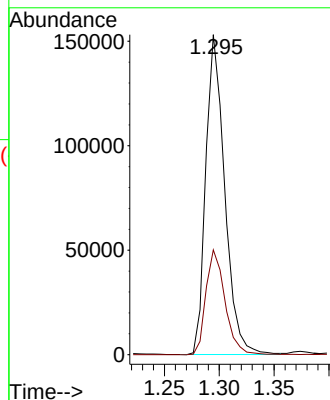
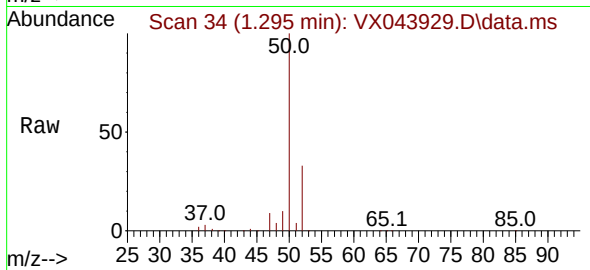




#3  
Chloromethane  
Concen: 99.735 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

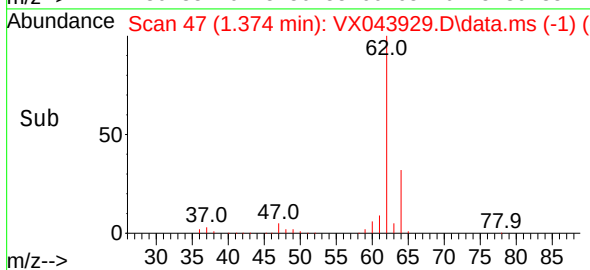
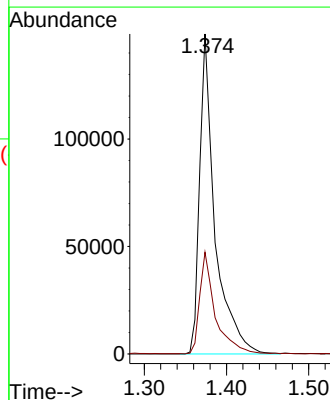
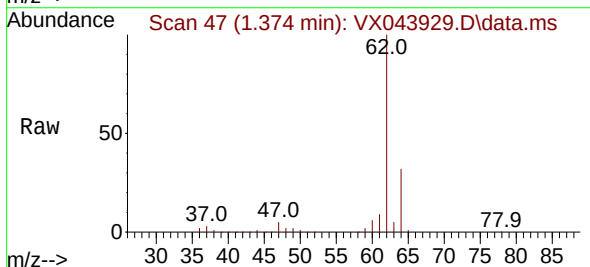
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

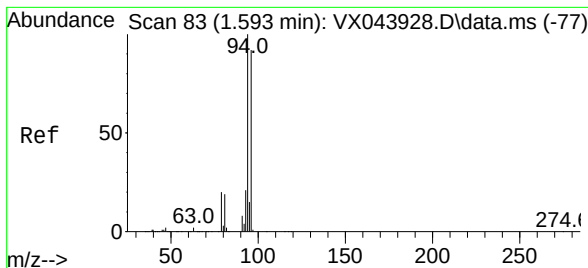
Tgt Ion: 50 Resp: 183899  
Ion Ratio Lower Upper  
50 100  
52 32.8 26.1 39.1



#4  
Vinyl Chloride  
Concen: 98.011 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 62 Resp: 192221  
Ion Ratio Lower Upper  
62 100  
64 31.7 26.2 39.4





#5

Bromomethane

Concen: 98.459 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

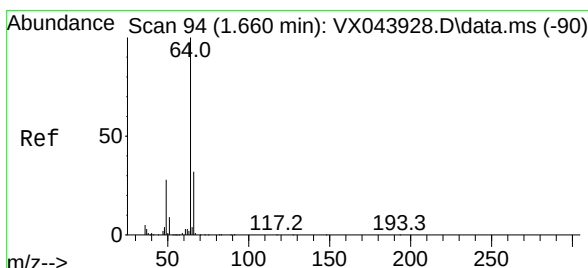
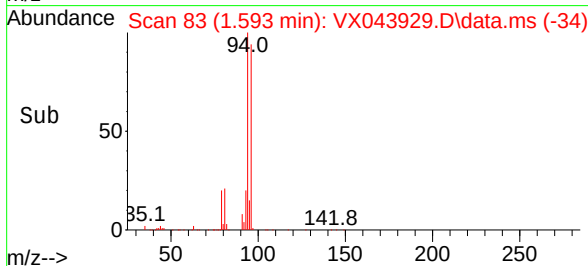
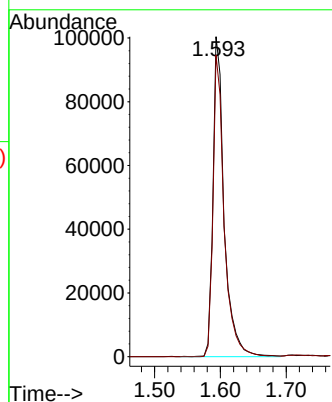
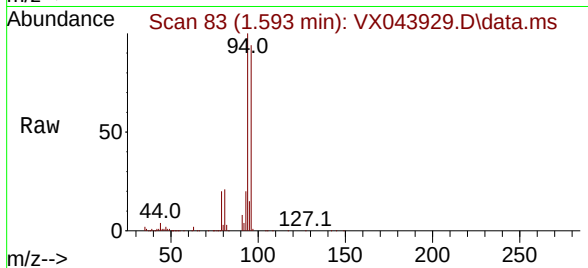
VSTDICC100

Tgt Ion: 94 Resp: 118792

Ion Ratio Lower Upper

94 100

96 94.3 73.9 110.9



#6

Chloroethane

Concen: 85.198 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX043929.D

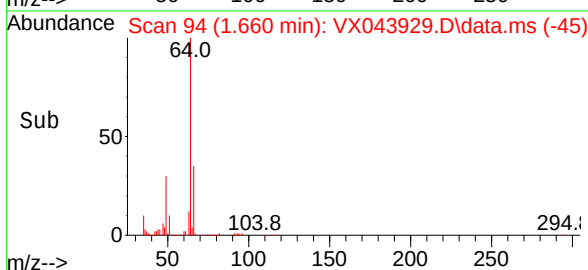
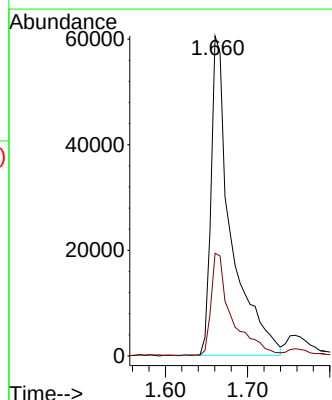
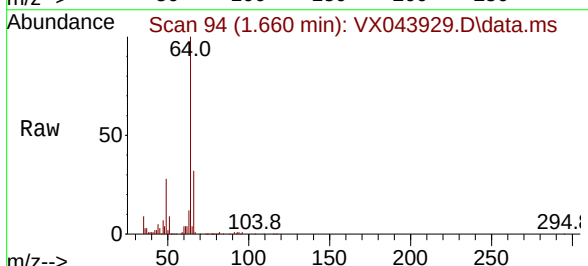
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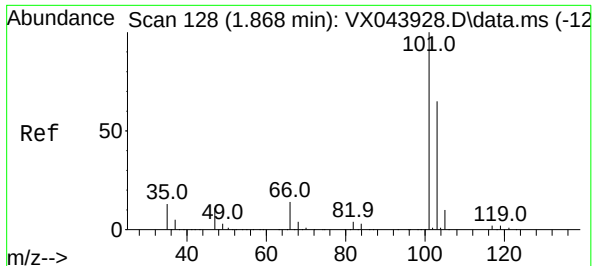
Tgt Ion: 64 Resp: 101816

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9

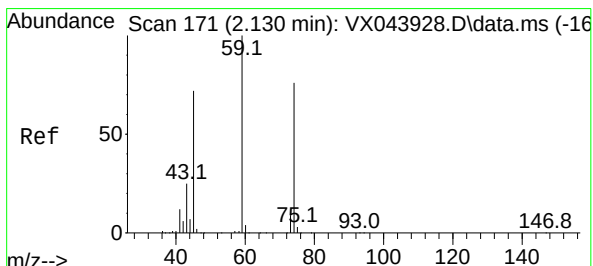
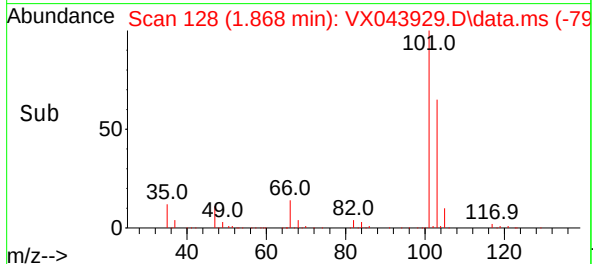
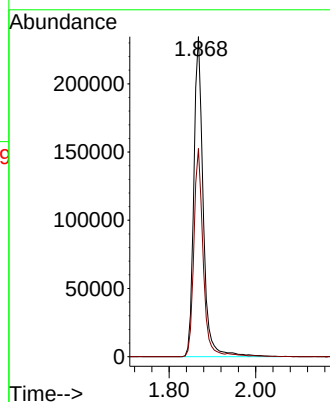
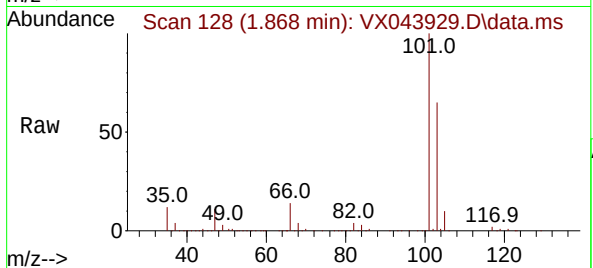




#7  
Trichlorofluoromethane  
Concen: 101.066 ug/l  
RT: 1.868 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

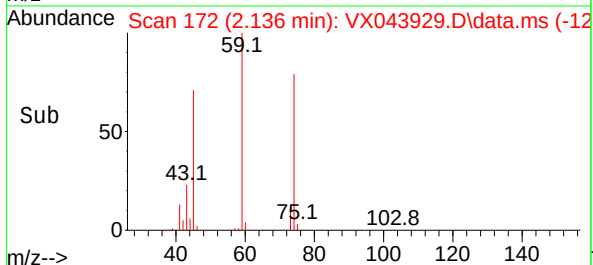
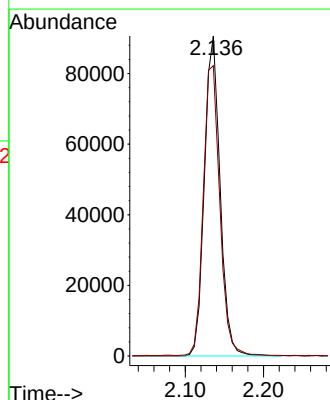
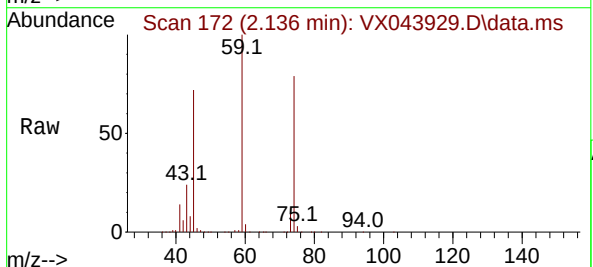
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

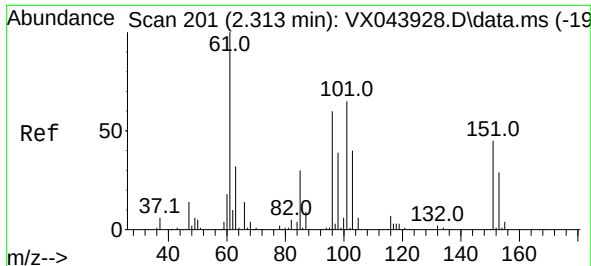
Tgt Ion:101 Resp: 354375  
Ion Ratio Lower Upper  
101 100  
103 65.0 52.2 78.2



#8  
Diethyl Ether  
Concen: 98.466 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 74 Resp: 125840  
Ion Ratio Lower Upper  
74 100  
45 95.5 47.9 143.6

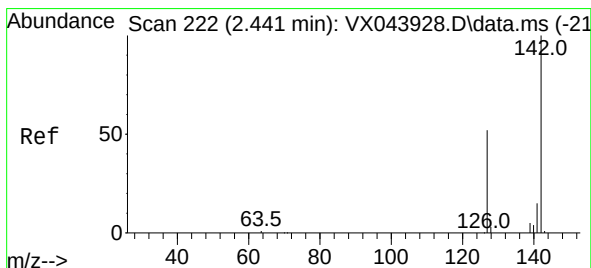
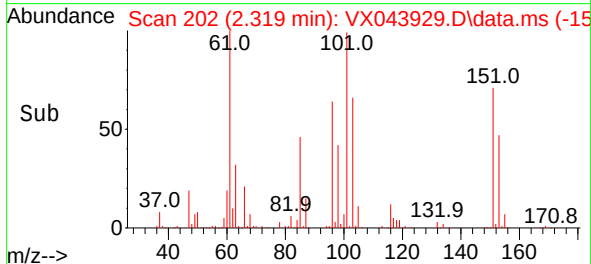
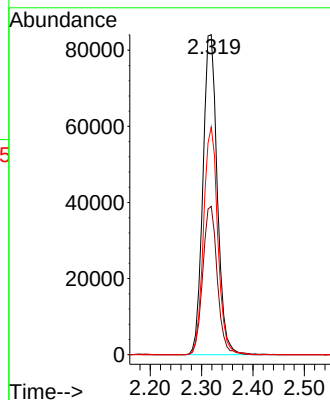
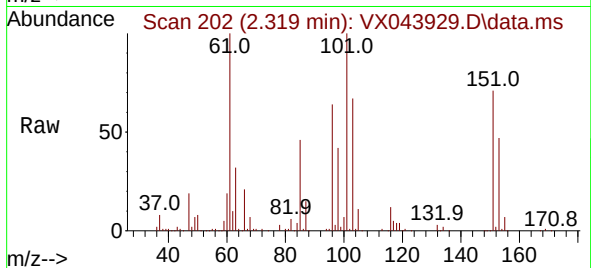




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 97.448 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

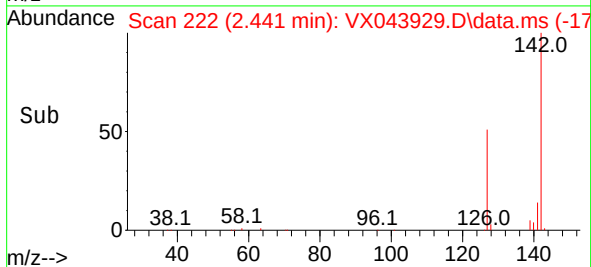
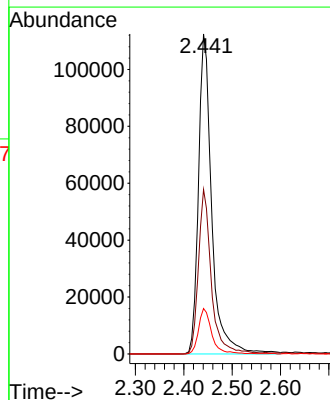
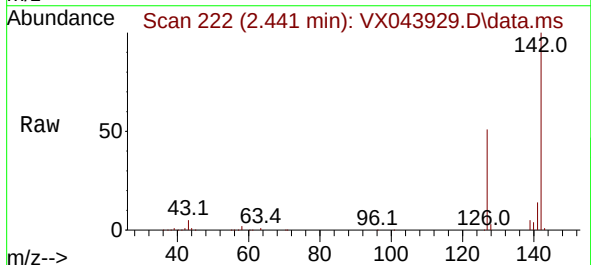
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

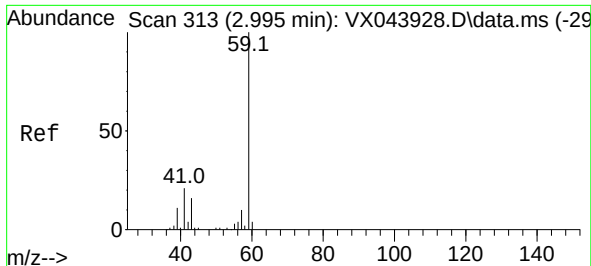
Tgt Ion:101 Resp: 162988  
Ion Ratio Lower Upper  
101 100  
85 47.0 37.9 56.9  
151 70.5 57.5 86.3



#10  
Methyl Iodide  
Concen: 102.378 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion:142 Resp: 213858  
Ion Ratio Lower Upper  
142 100  
127 50.0 40.7 61.1  
141 14.1 12.0 18.0





#11

Tert butyl alcohol

Concen: 485.208 ug/l

RT: 3.002 min Scan# 313

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

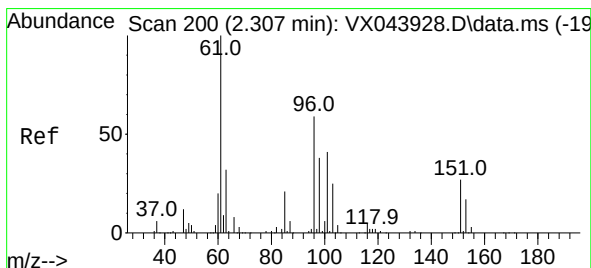
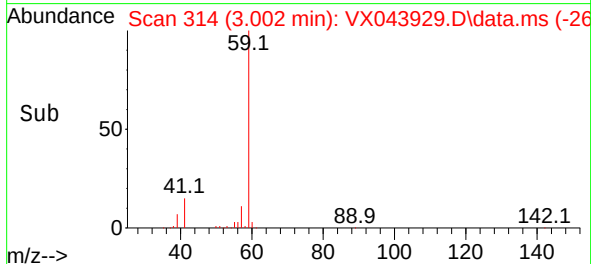
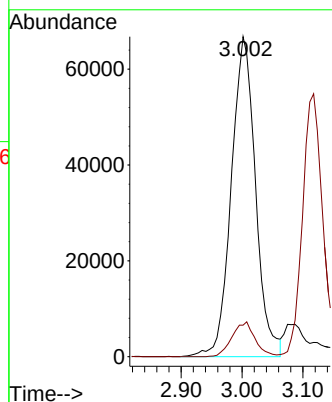
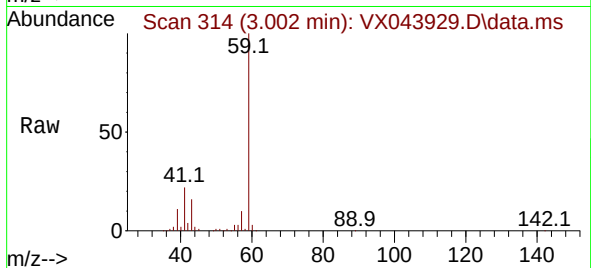
VSTDIC100

Tgt Ion: 59 Resp: 184757

Ion Ratio Lower Upper

59 100

57 10.4 7.9 11.9



#12

1,1-Dichloroethene

Concen: 99.205 ug/l

RT: 2.307 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

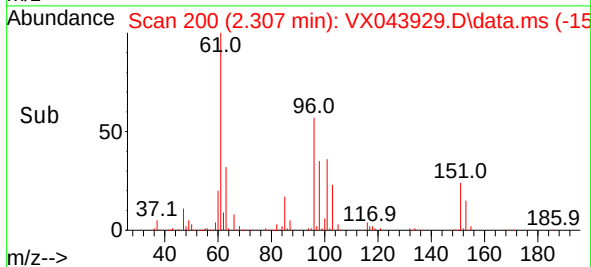
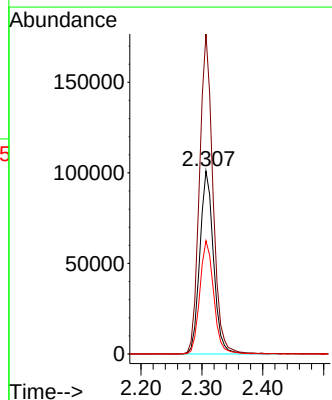
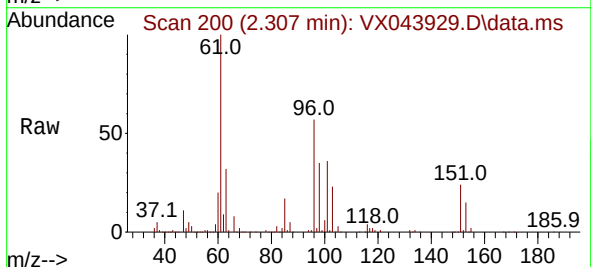
Tgt Ion: 96 Resp: 158111

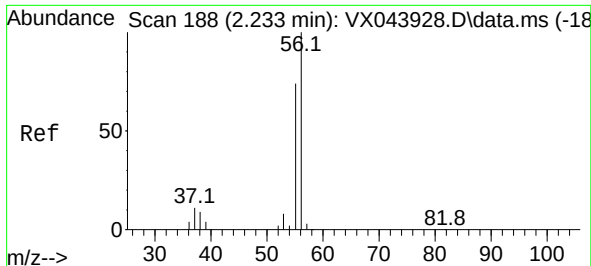
Ion Ratio Lower Upper

96 100

61 174.9 135.5 203.3

98 61.9 50.8 76.2





#13

Acrolein

Concen: 500.625 ug/l

RT: 2.240 min Scan# 188

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

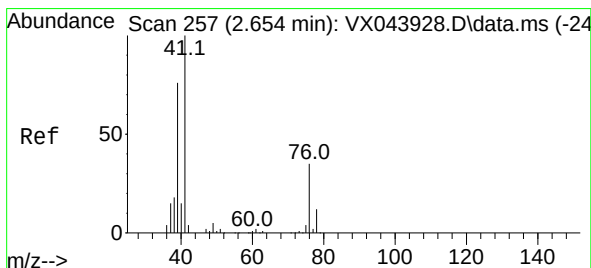
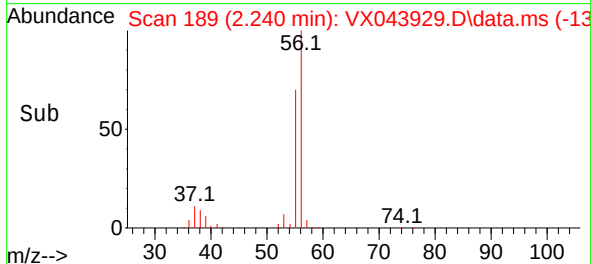
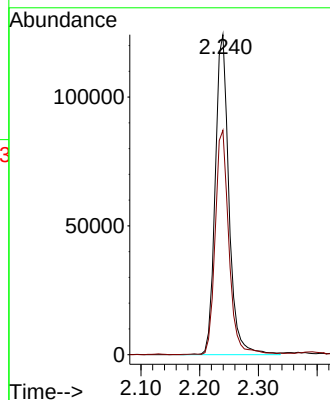
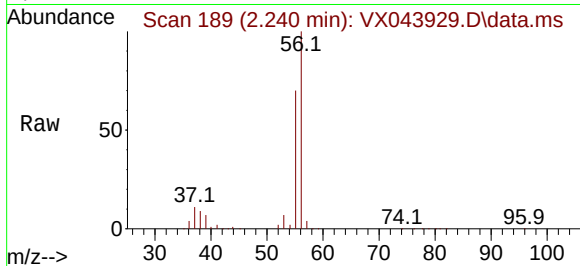
VSTDICC100

Tgt Ion: 56 Resp: 200929

Ion Ratio Lower Upper

56 100

55 70.5 58.2 87.2



#14

Allyl chloride

Concen: 106.008 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

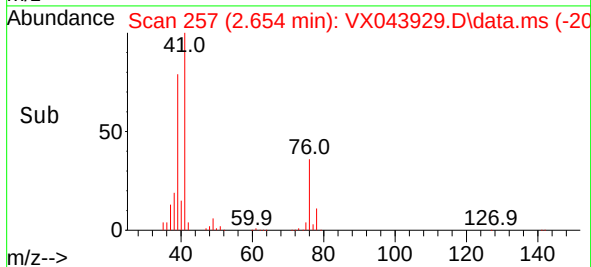
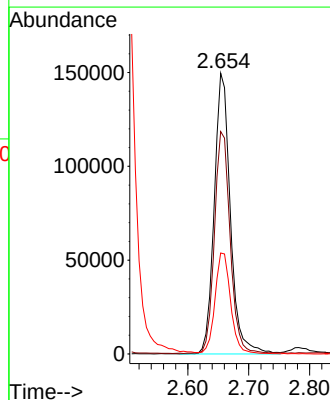
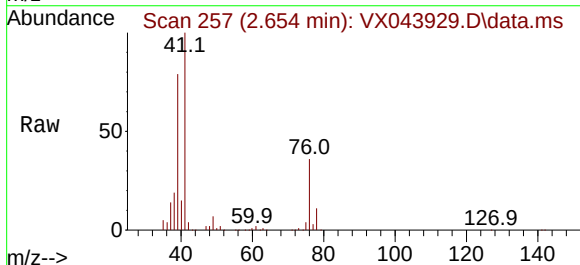
Tgt Ion: 41 Resp: 276068

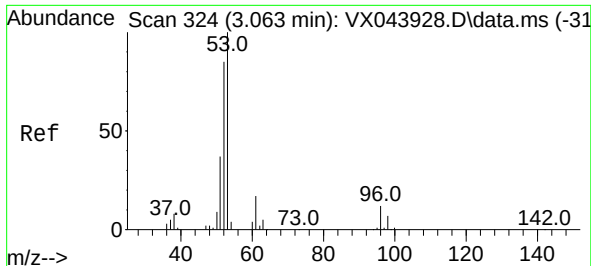
Ion Ratio Lower Upper

41 100

39 76.5 59.5 89.3

76 34.8 27.4 41.2

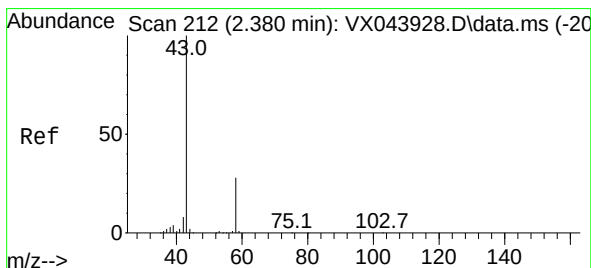
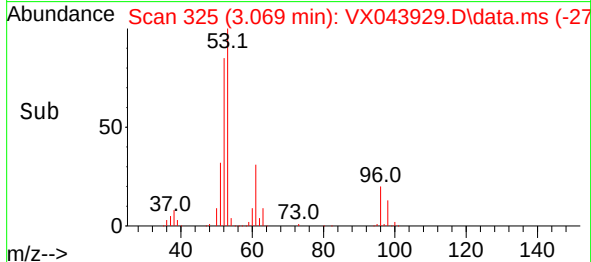
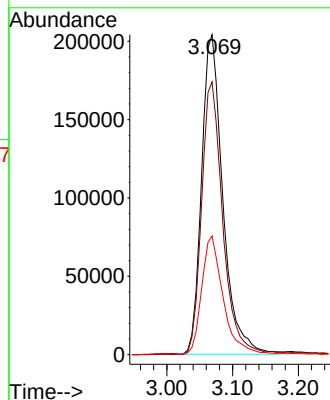
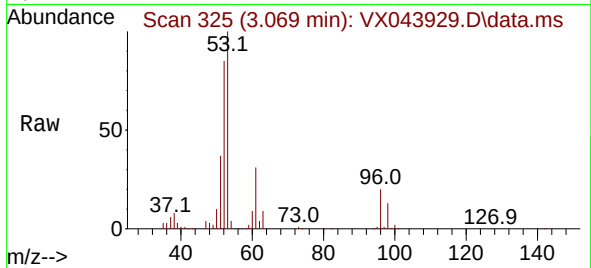




#15  
Acrylonitrile  
Concen: 494.243 ug/l  
RT: 3.069 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

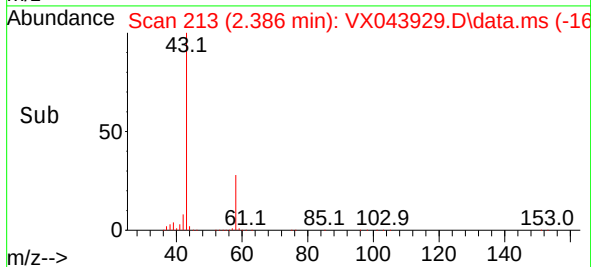
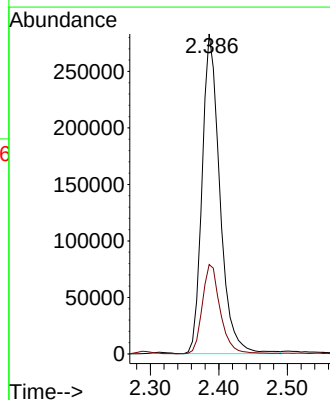
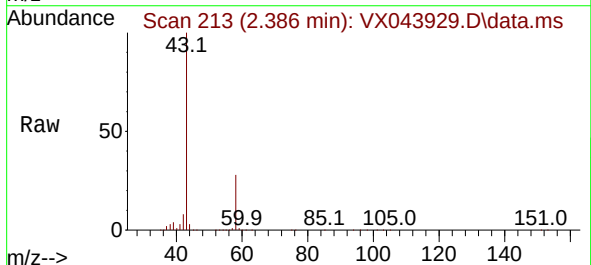
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

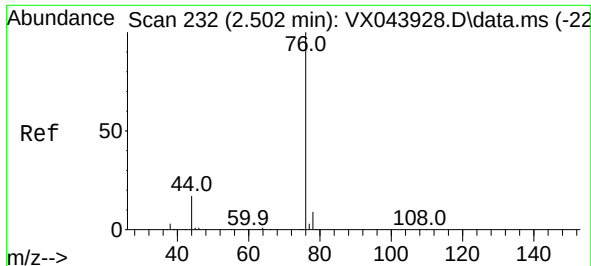
Tgt Ion: 53 Resp: 458624  
Ion Ratio Lower Upper  
53 100  
52 85.0 66.5 99.7  
51 37.0 30.2 45.4



#16  
Acetone  
Concen: 469.087 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 511112  
Ion Ratio Lower Upper  
43 100  
58 27.9 22.7 34.1

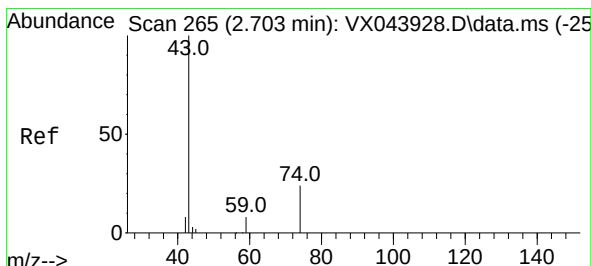
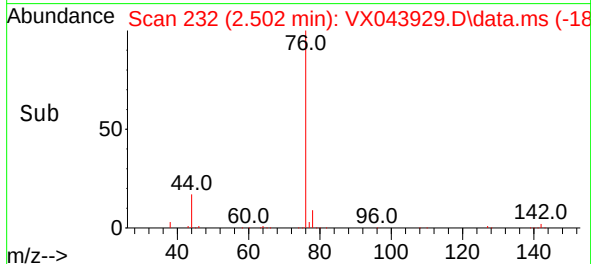
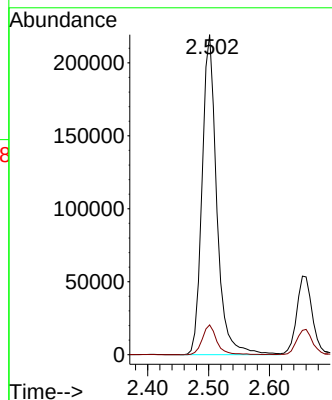
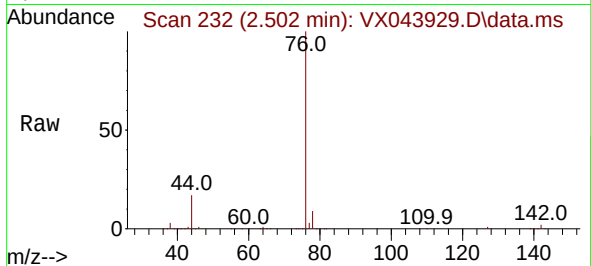




#17  
Carbon Disulfide  
Concen: 111.925 ug/l  
RT: 2.502 min Scan# 241  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

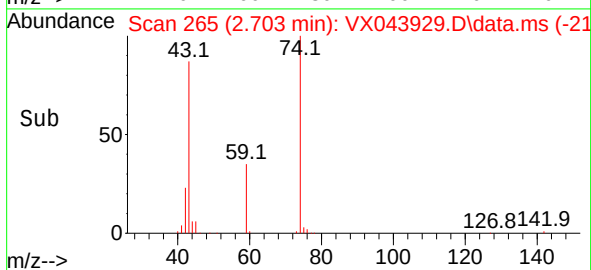
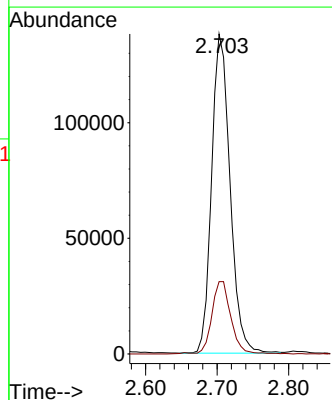
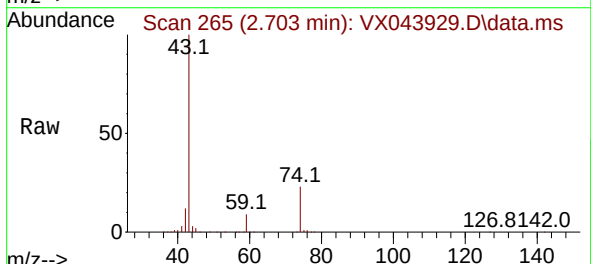
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion: 76 Resp: 367958  
Ion Ratio Lower Upper  
76 100  
78 9.3 7.0 10.6

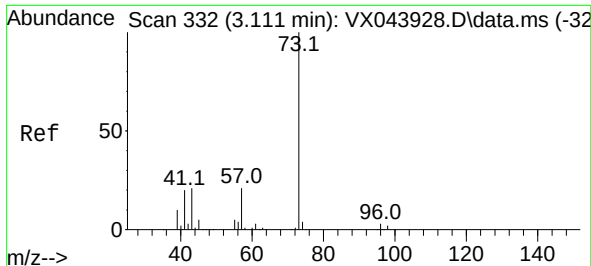


#18  
Methyl Acetate  
Concen: 97.433 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 247225  
Ion Ratio Lower Upper  
43 100  
74 23.3 18.9 28.3







#19

Methyl tert-butyl Ether

Concen: 103.267 ug/l

RT: 3.117 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

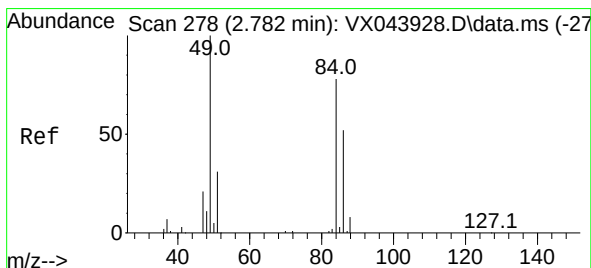
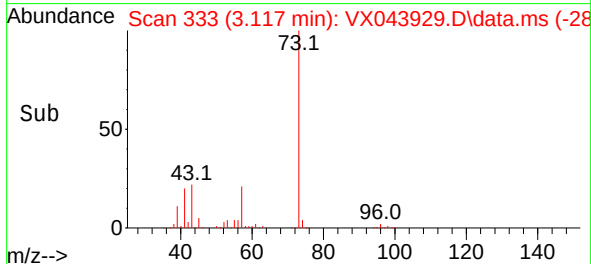
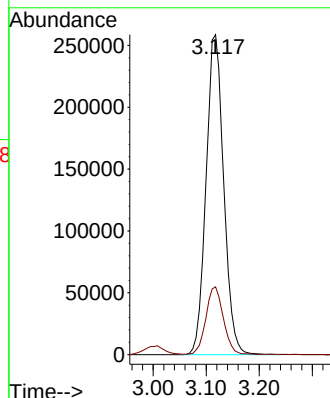
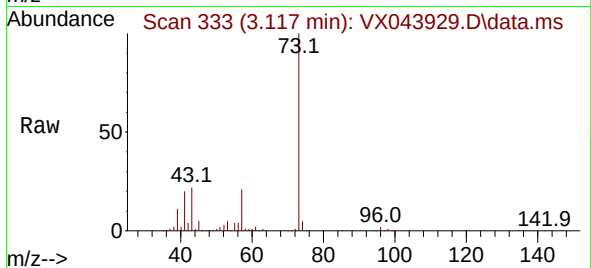
VSTDIC100

Tgt Ion: 73 Resp: 597600

Ion Ratio Lower Upper

73 100

57 21.1 17.0 25.6



#20

Methylene Chloride

Concen: 96.271 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 84 Resp: 178008

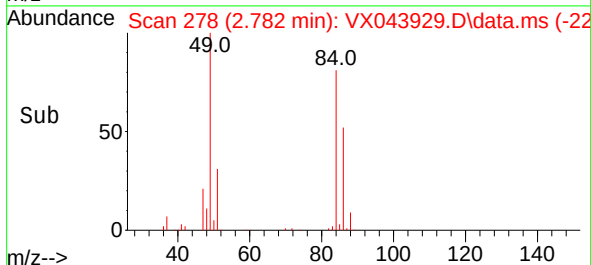
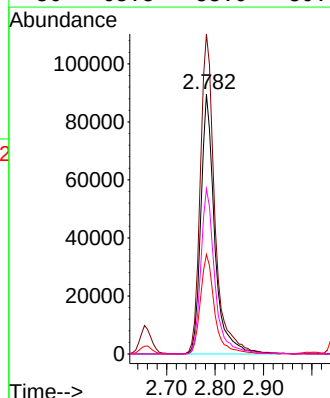
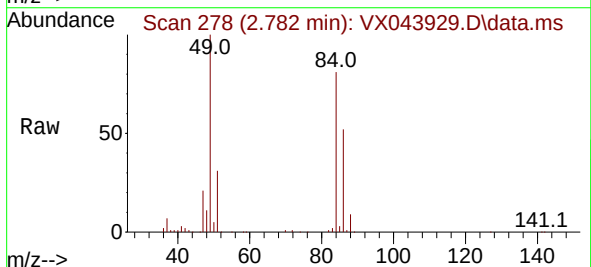
Ion Ratio Lower Upper

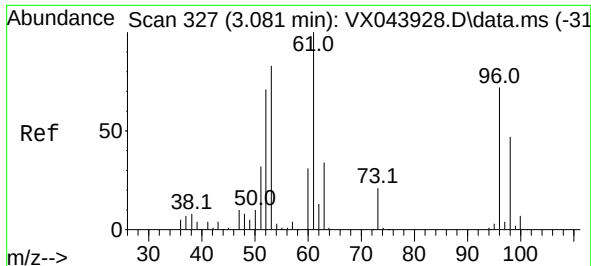
84 100

49 123.1 102.7 154.1

51 38.3 31.7 47.5

86 63.5 53.9 80.9

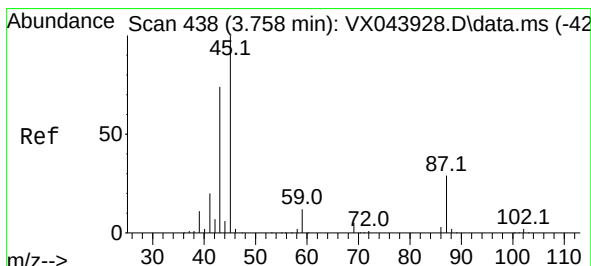
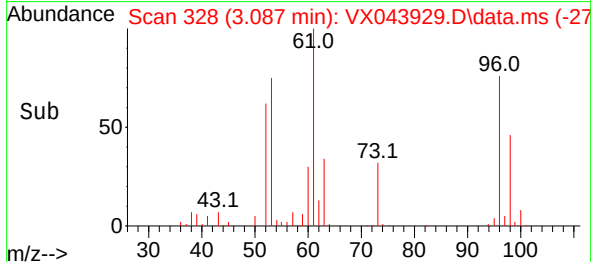
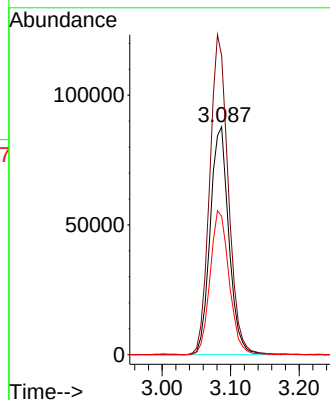
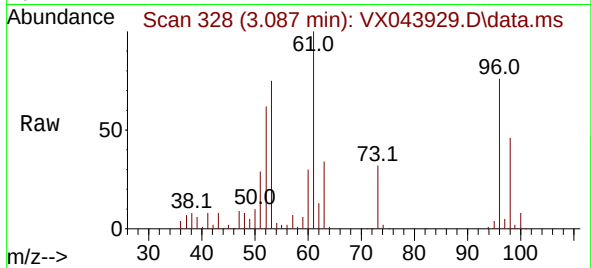




#21  
trans-1,2-Dichloroethene  
Concen: 100.875 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

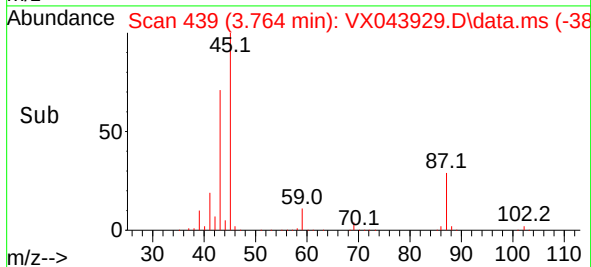
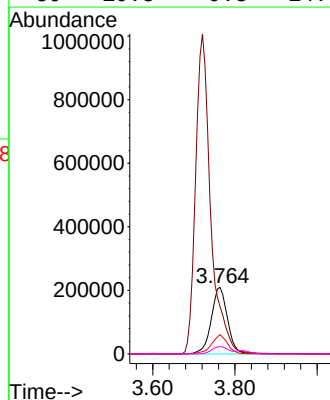
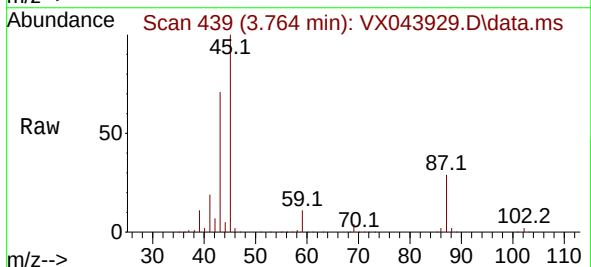
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

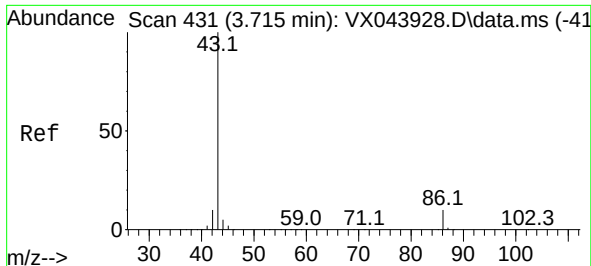
Tgt Ion: 96 Resp: 165989  
Ion Ratio Lower Upper  
96 100  
61 131.1 111.8 167.6  
98 60.7 52.7 79.1



#22  
Diisopropyl ether  
Concen: 102.872 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 45 Resp: 572855  
Ion Ratio Lower Upper  
45 100  
43 71.1 59.6 89.4  
87 29.1 22.9 34.3  
59 10.8 9.8 14.6

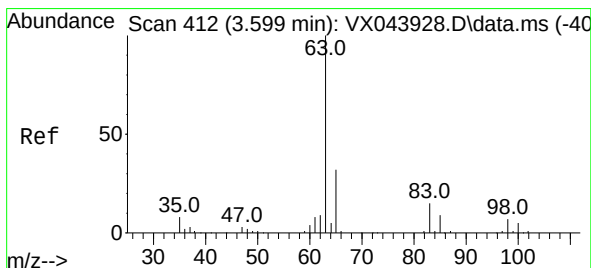
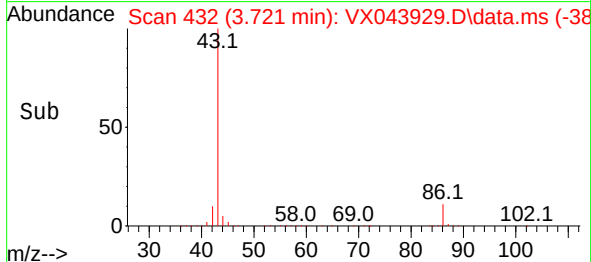
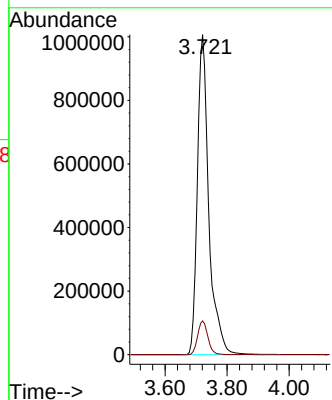
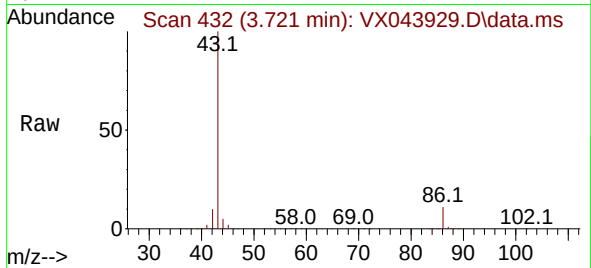




#23  
 Vinyl Acetate  
 Concen: 539.590 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX043929.D  
 Acq: 21 Nov 2024 11:40

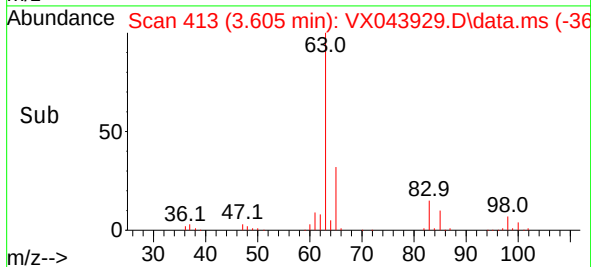
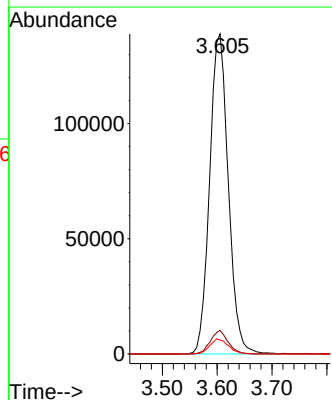
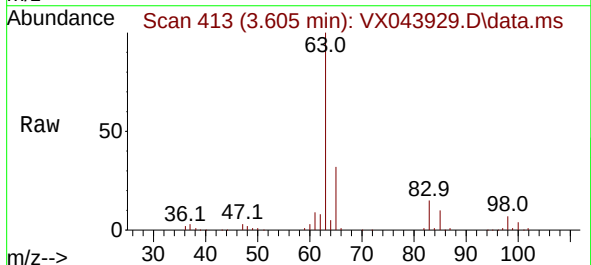
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

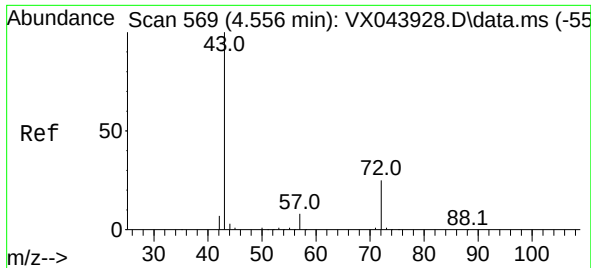
Tgt Ion: 43 Resp: 2570419  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 102.025 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX043929.D  
 Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 327756  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.5 10.6  
 100 4.3 2.4 7.1





#25

2-Butanone

Concen: 491.491 ug/l

RT: 4.562 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

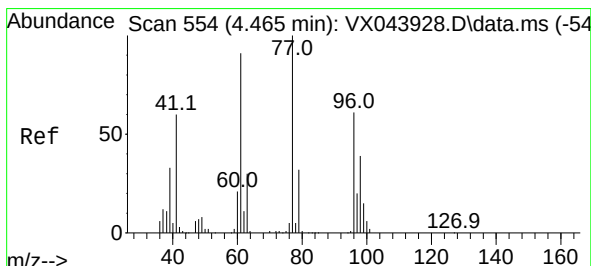
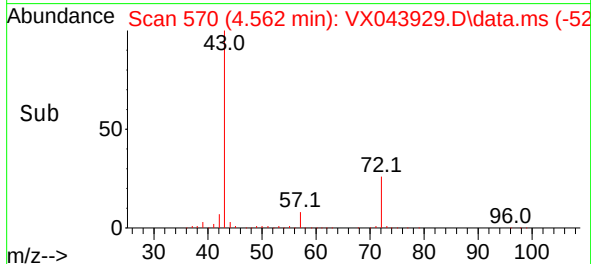
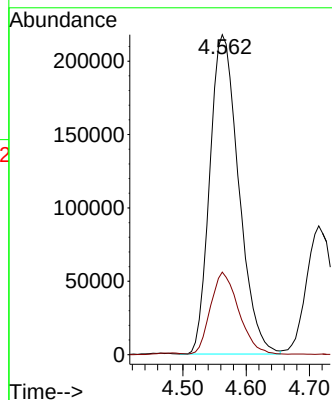
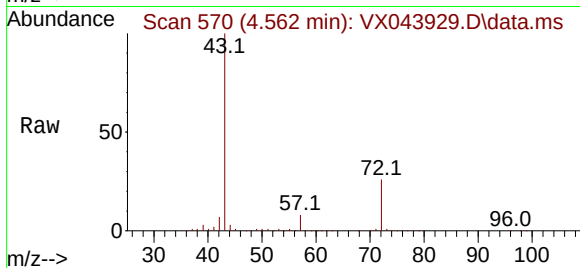
VSTDICC100

Tgt Ion: 43 Resp: 690992

Ion Ratio Lower Upper

43 100

72 25.6 20.2 30.2



#26

2,2-Dichloropropane

Concen: 103.146 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX043929.D

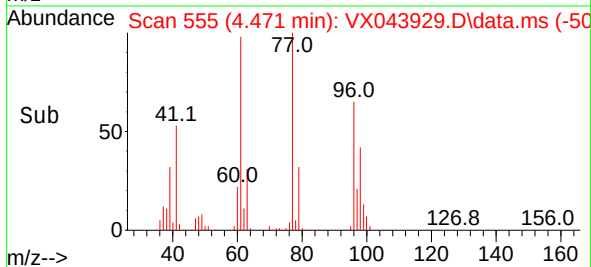
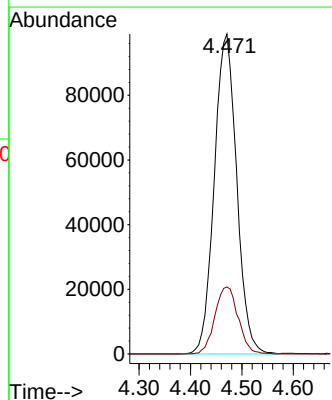
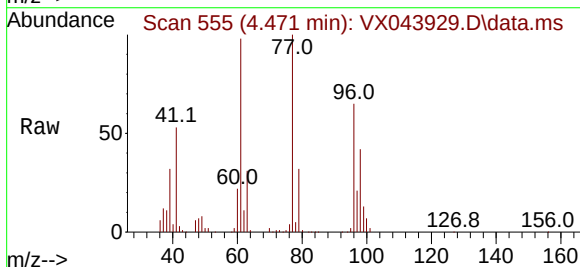
Acq: 21 Nov 2024 11:40

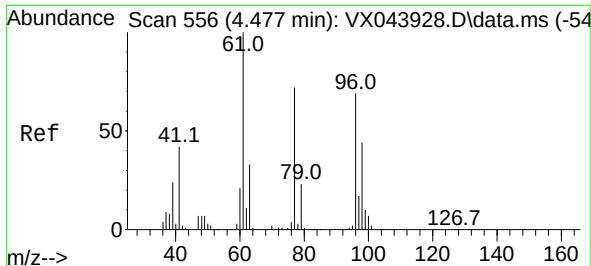
Tgt Ion: 77 Resp: 299254

Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 101.381 ug/l

RT: 4.483 min Scan# 556

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

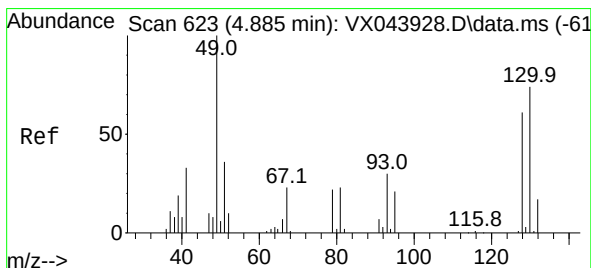
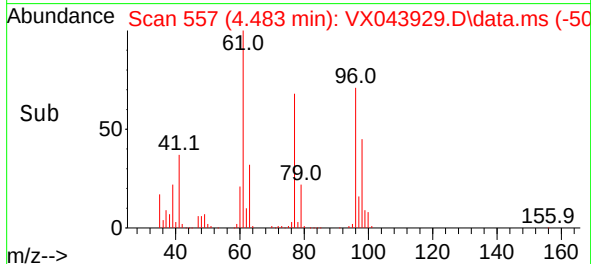
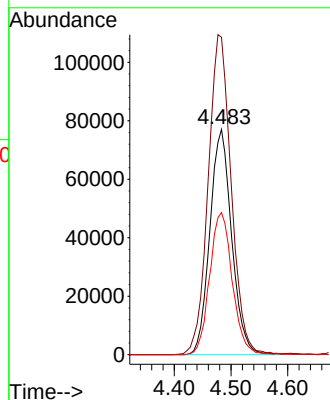
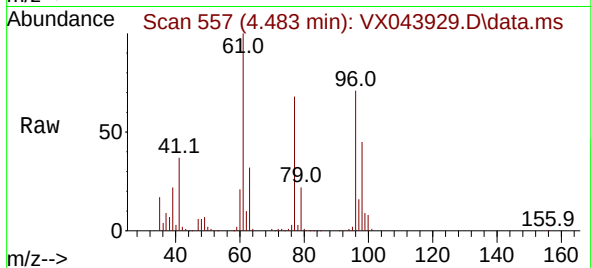
Tgt Ion: 96 Resp: 206207

Ion Ratio Lower Upper

96 100

61 150.0 0.0 297.4

98 65.1 0.0 127.8



#28

Bromochloromethane

Concen: 97.752 ug/l

RT: 4.898 min Scan# 625

Delta R.T. 0.012 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

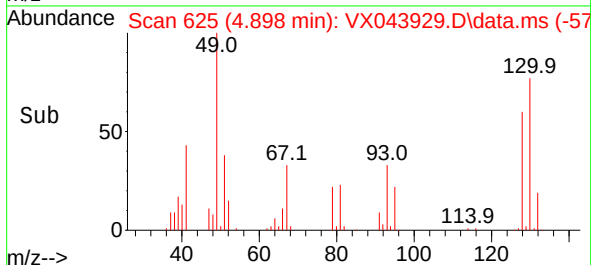
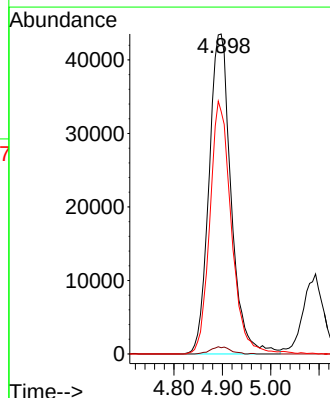
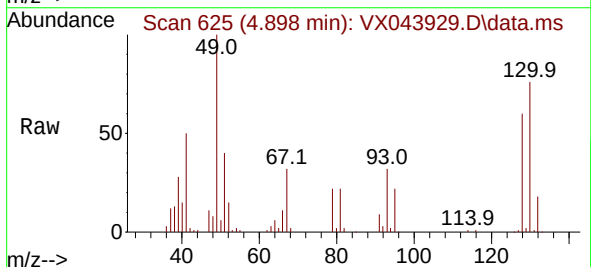
Tgt Ion: 49 Resp: 138227

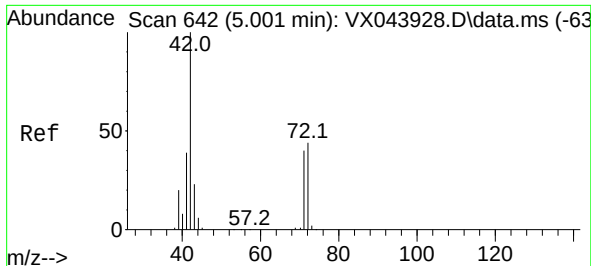
Ion Ratio Lower Upper

49 100

129 2.0 0.0 4.0

130 76.5 59.0 88.6





#29

Tetrahydrofuran

Concen: 486.991 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

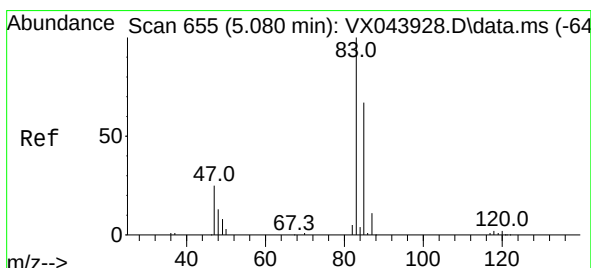
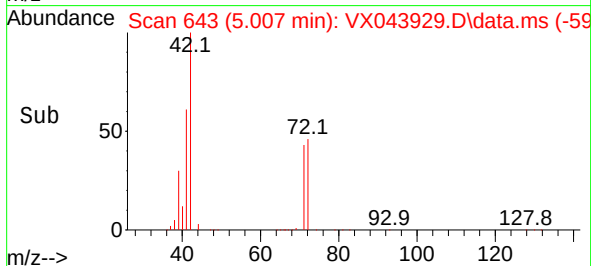
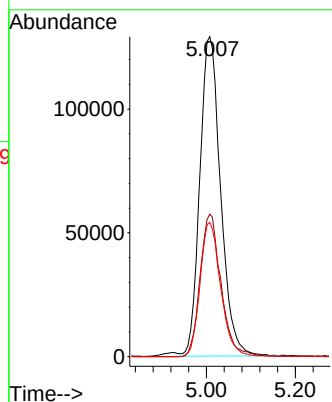
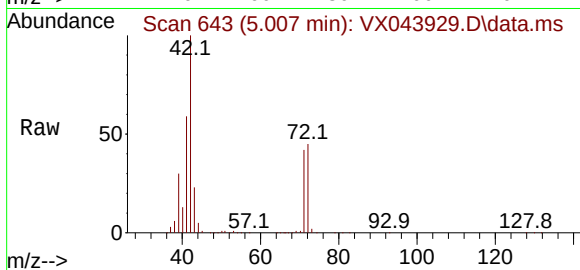
Tgt Ion: 42 Resp: 419743

Ion Ratio Lower Upper

42 100

72 44.9 36.4 54.6

71 41.6 33.4 50.0



#30

Chloroform

Concen: 101.565 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043929.D

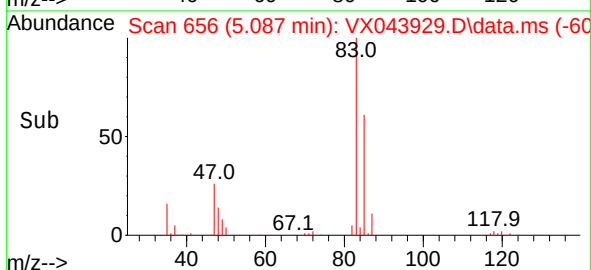
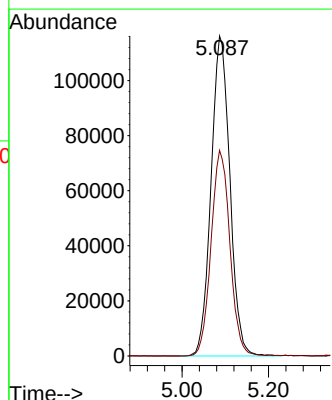
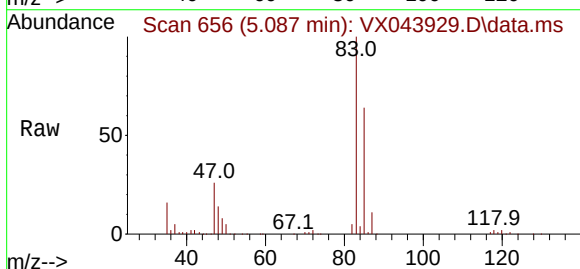
Acq: 21 Nov 2024 11:40

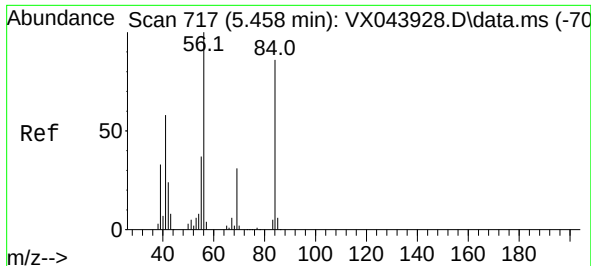
Tgt Ion: 83 Resp: 350923

Ion Ratio Lower Upper

83 100

85 64.3 53.5 80.3

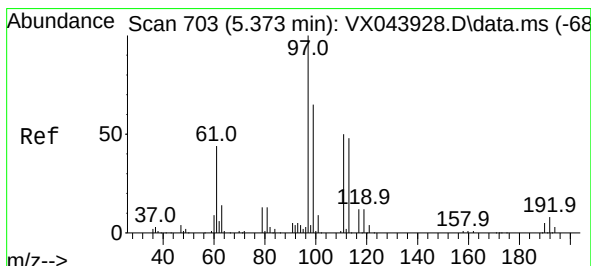
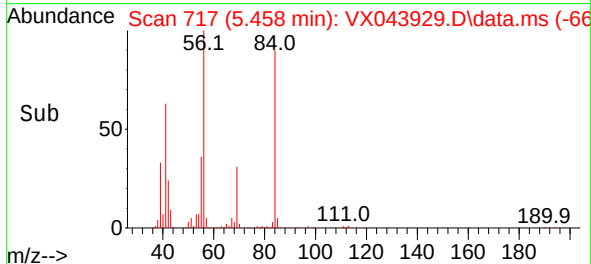
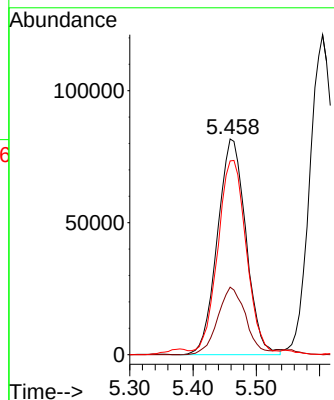
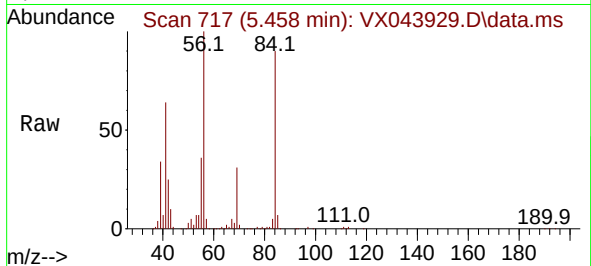




#31  
Cyclohexane  
Concen: 96.865 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

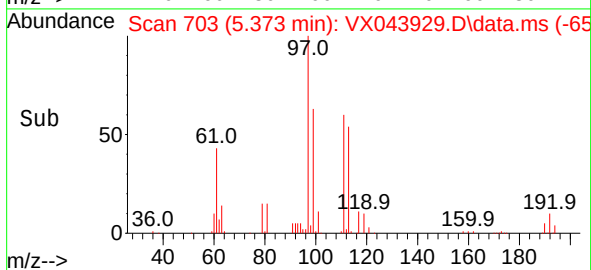
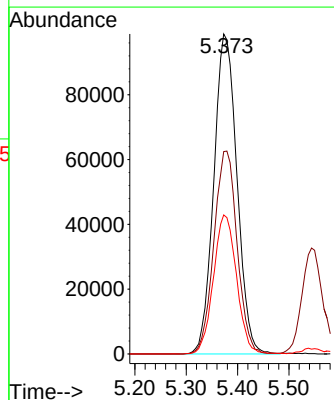
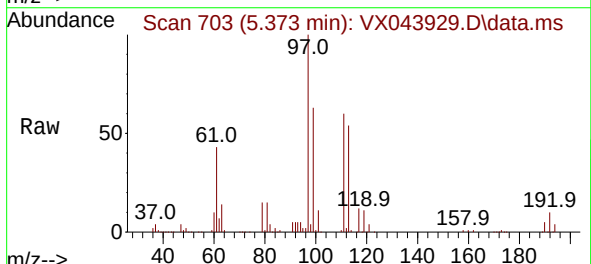
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

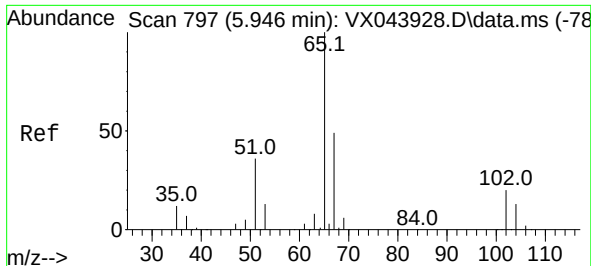
Tgt Ion: 56 Resp: 256114  
Ion Ratio Lower Upper  
56 100  
69 31.3 24.7 37.1  
84 88.2 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 103.862 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 97 Resp: 309469  
Ion Ratio Lower Upper  
97 100  
99 63.6 50.8 76.2  
61 43.4 35.4 53.2

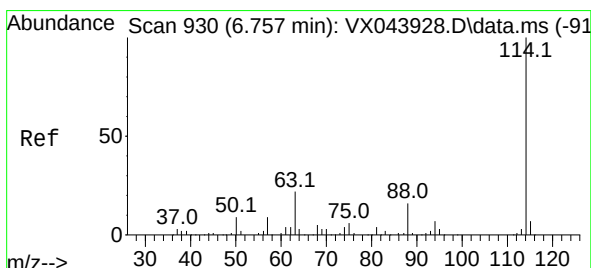
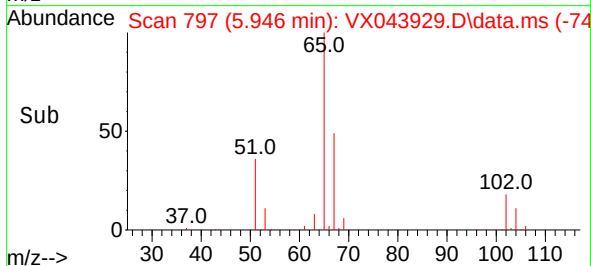
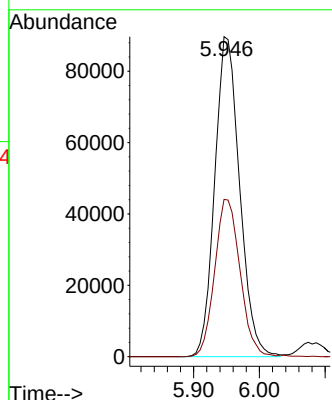
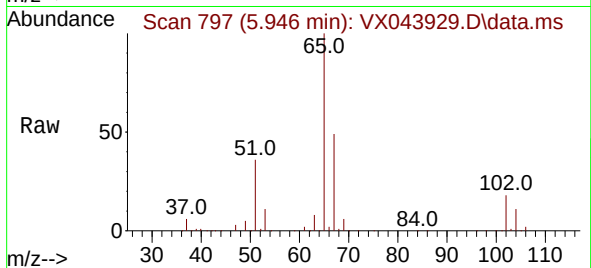




#33  
 1,2-Dichloroethane-d4  
 Concen: 99.704 ug/l  
 RT: 5.946 min Scan# 797  
 Delta R.T. -0.000 min  
 Lab File: VX043929.D  
 Acq: 21 Nov 2024 11:40

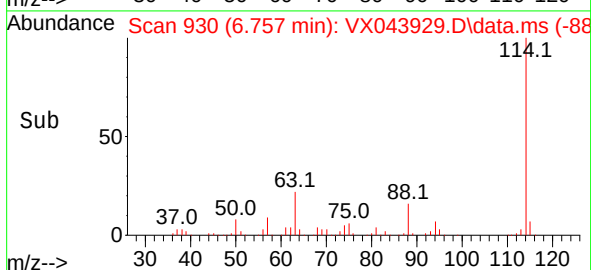
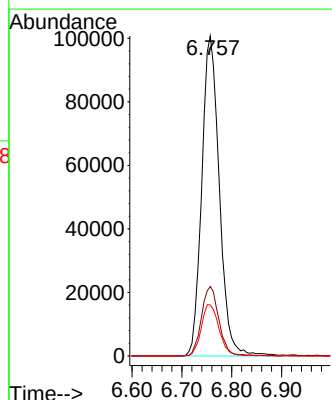
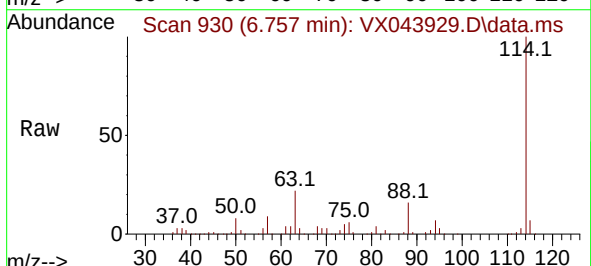
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

Tgt Ion: 65 Resp: 236531  
 Ion Ratio Lower Upper  
 65 100  
 67 50.0 0.0 100.8

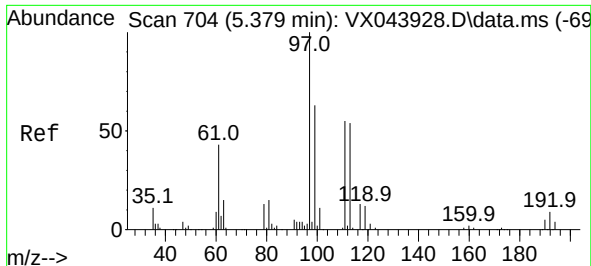


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX043929.D  
 Acq: 21 Nov 2024 11:40

Tgt Ion: 114 Resp: 246419  
 Ion Ratio Lower Upper  
 114 100  
 63 21.7 0.0 44.0  
 88 15.9 0.0 32.4







#35

Dibromofluoromethane

Concen: 100.449 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043929.D

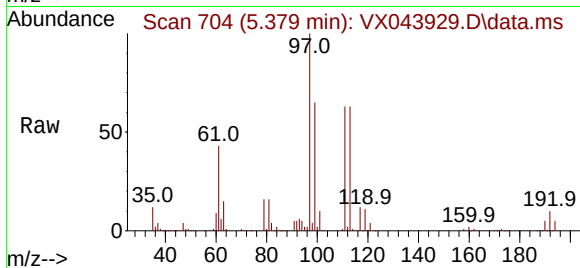
Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100



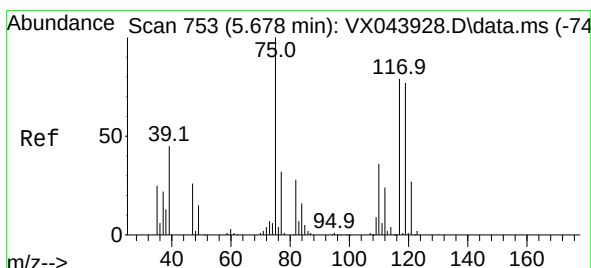
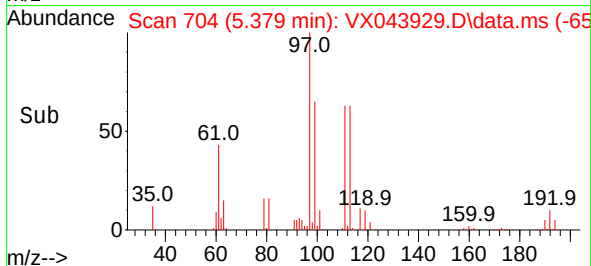
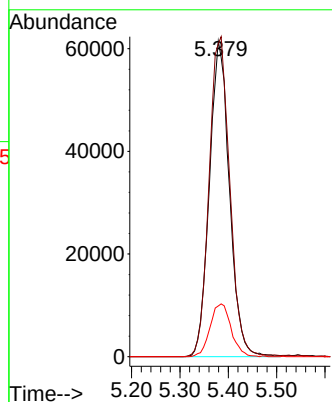
Tgt Ion:113 Resp: 176869

Ion Ratio Lower Upper

113 100

111 104.6 81.0 121.4

192 17.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 101.439 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

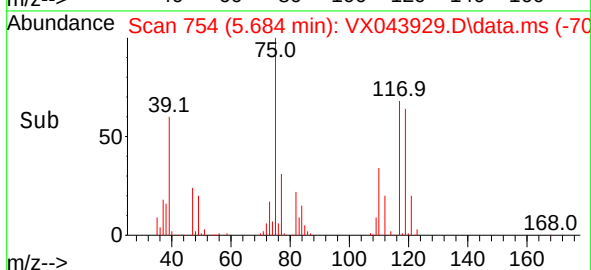
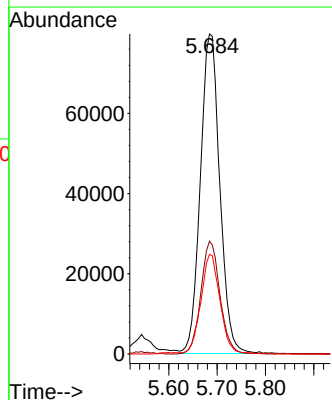
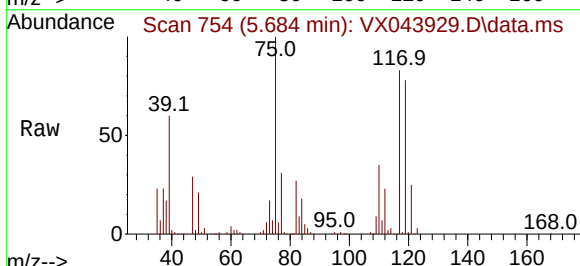
Tgt Ion: 75 Resp: 222573

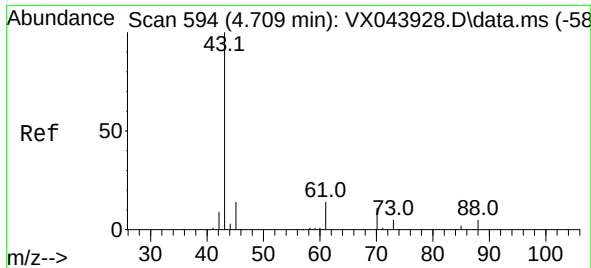
Ion Ratio Lower Upper

75 100

110 34.6 17.4 52.2

77 30.8 25.8 38.8





#37

Ethyl Acetate

Concen: 97.527 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

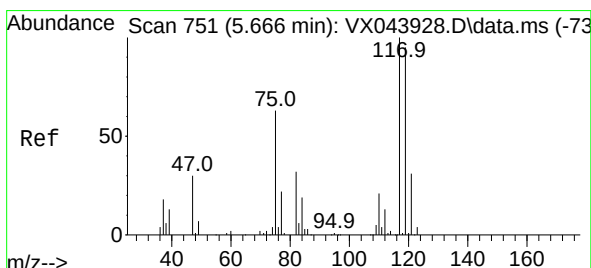
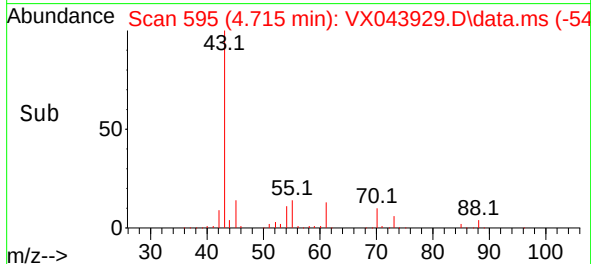
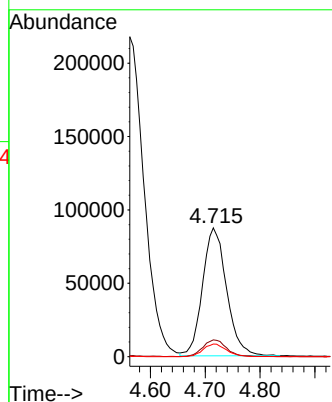
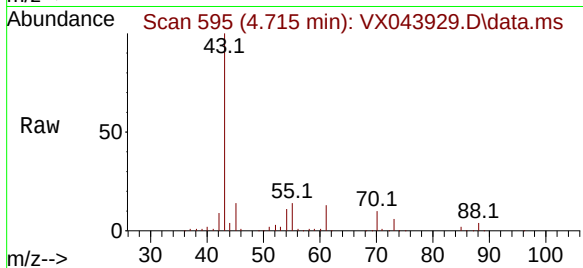
Tgt Ion: 43 Resp: 265631

Ion Ratio Lower Upper

43 100

61 13.2 10.7 16.1

70 9.6 8.0 12.0



#38

Carbon Tetrachloride

Concen: 103.953 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

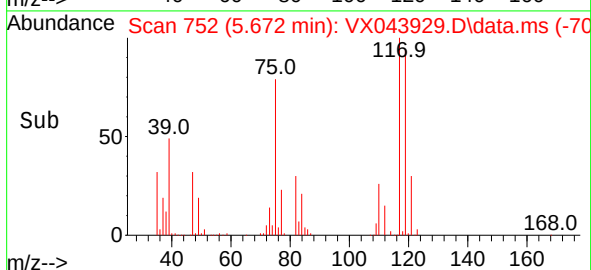
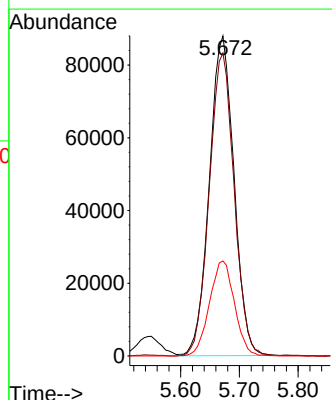
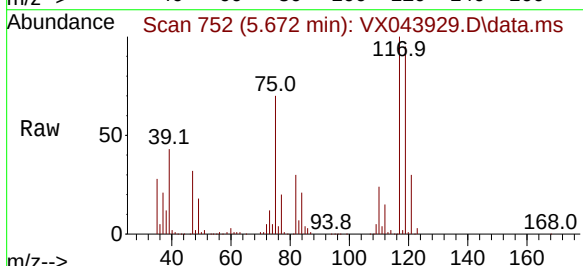
Tgt Ion: 117 Resp: 256290

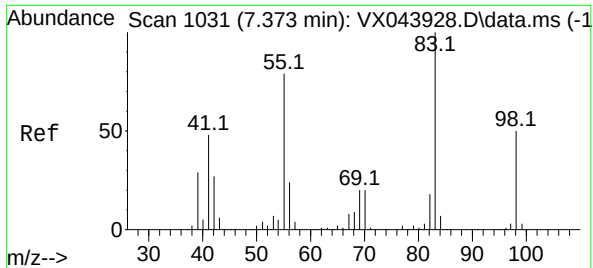
Ion Ratio Lower Upper

117 100

119 94.7 75.2 112.8

121 29.8 24.5 36.7

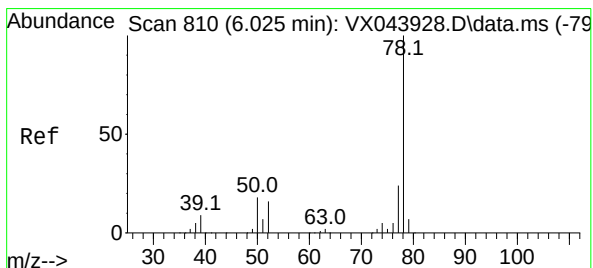
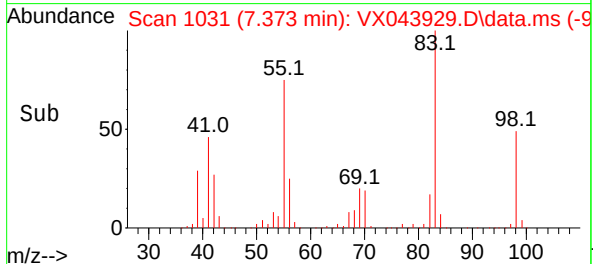
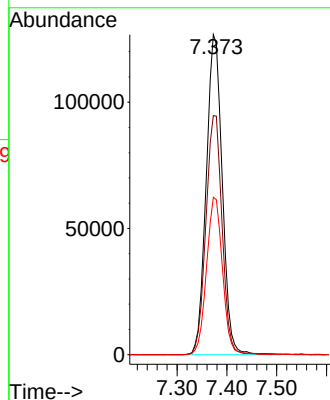
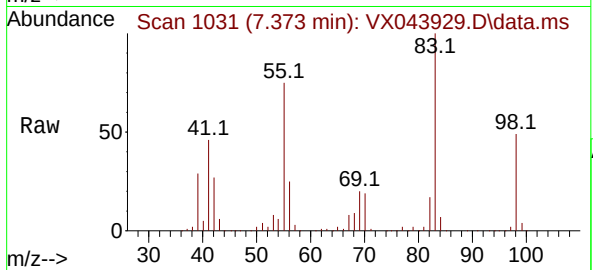




#39  
Methylcyclohexane  
Concen: 99.308 ug/l  
RT: 7.373 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

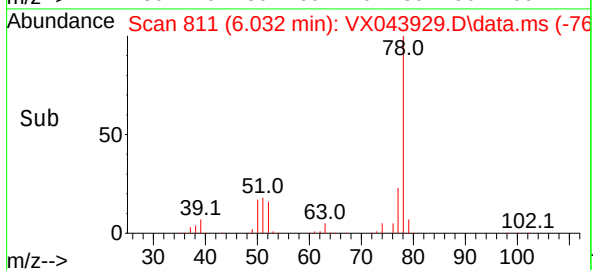
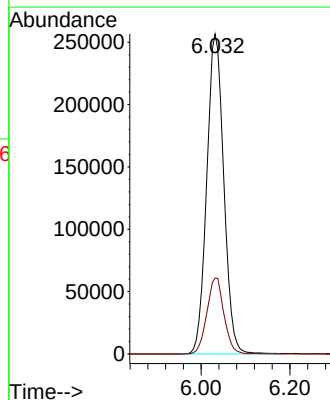
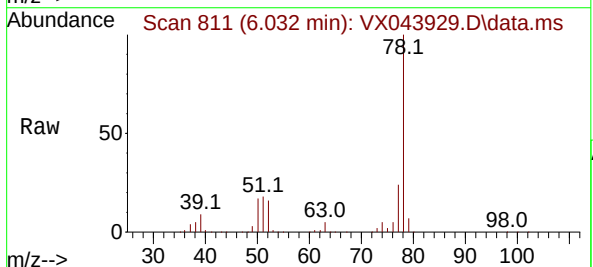
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

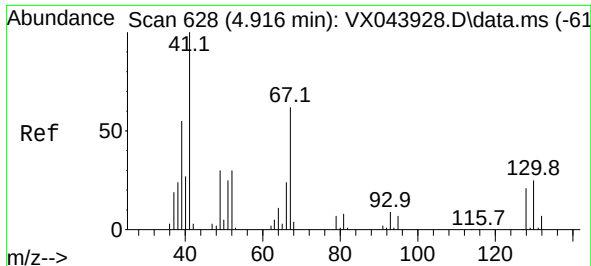
Tgt Ion: 83 Resp: 283075  
Ion Ratio Lower Upper  
83 100  
55 74.7 63.1 94.7  
98 49.2 40.0 60.0



#40  
Benzene  
Concen: 100.099 ug/l  
RT: 6.032 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 78 Resp: 684139  
Ion Ratio Lower Upper  
78 100  
77 23.7 19.2 28.8





#41

Methacrylonitrile

Concen: 102.765 ug/l

RT: 4.922 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

Tgt Ion: 41 Resp: 143256

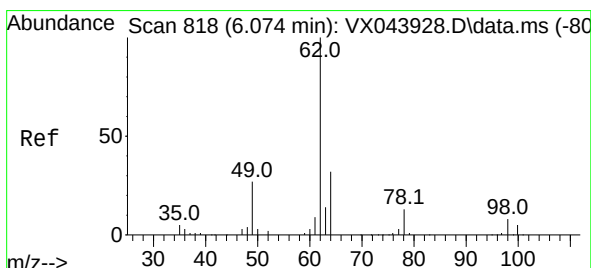
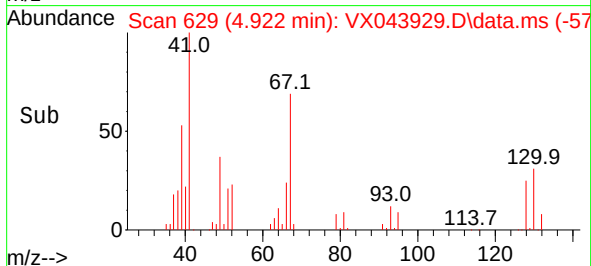
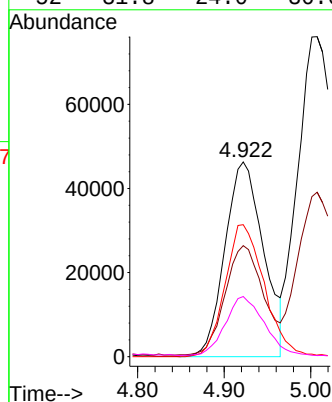
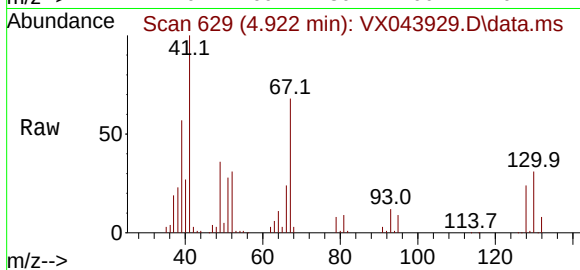
Ion Ratio Lower Upper

41 100

39 56.3 41.7 62.5

67 69.3 55.8 83.8

52 31.8 24.0 36.0



#42

1,2-Dichloroethane

Concen: 98.961 ug/l

RT: 6.080 min Scan# 819

Delta R.T. 0.006 min

Lab File: VX043929.D

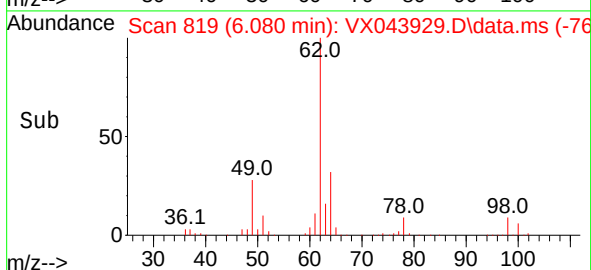
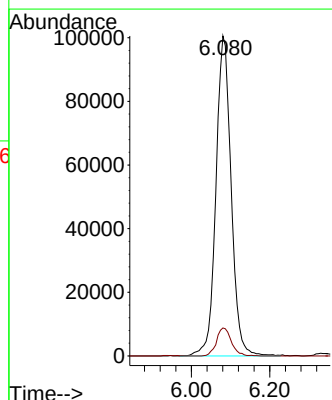
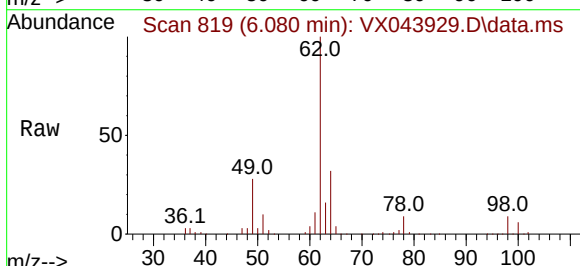
Acq: 21 Nov 2024 11:40

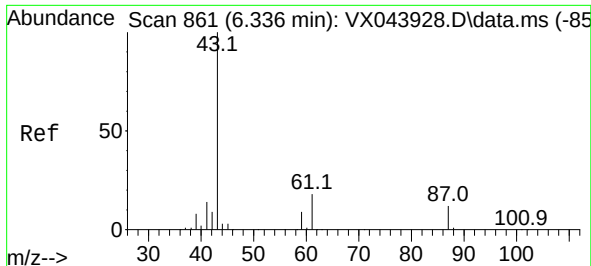
Tgt Ion: 62 Resp: 271641

Ion Ratio Lower Upper

62 100

98 8.6 0.0 16.4





#43

Isopropyl Acetate

Concen: 101.652 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

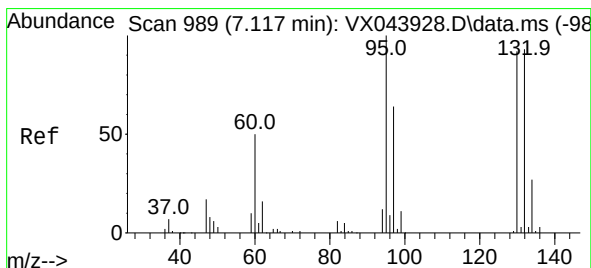
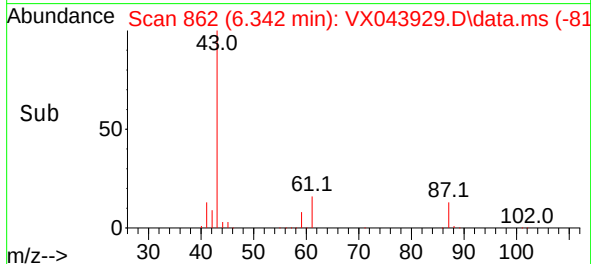
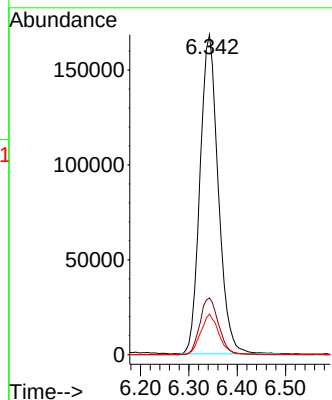
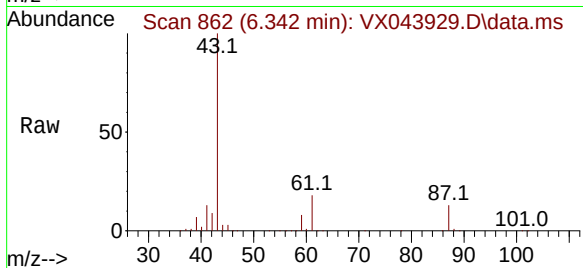
Tgt Ion: 43 Resp: 440615

Ion Ratio Lower Upper

43 100

61 18.3 14.5 21.7

87 12.7 10.2 15.2



#44

Trichloroethene

Concen: 87.759 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043929.D

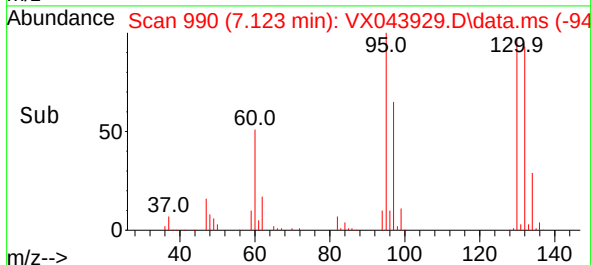
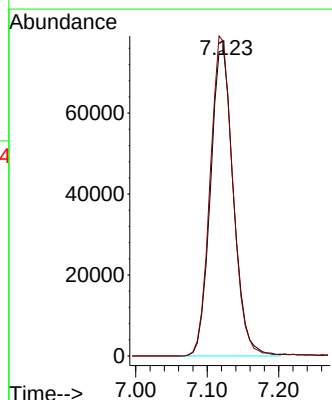
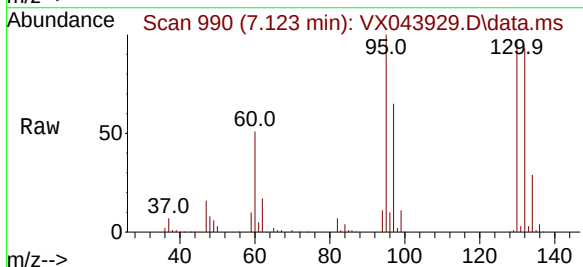
Acq: 21 Nov 2024 11:40

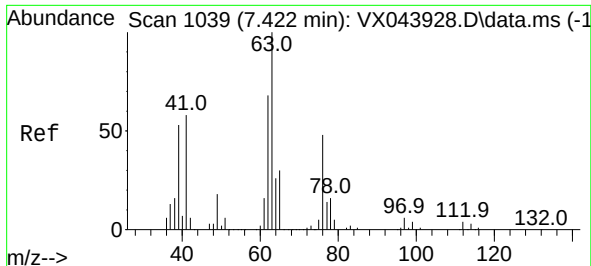
Tgt Ion:130 Resp: 169796

Ion Ratio Lower Upper

130 100

95 102.7 0.0 217.8





#45

1,2-Dichloropropane

Concen: 101.998 ug/l

RT: 7.428 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

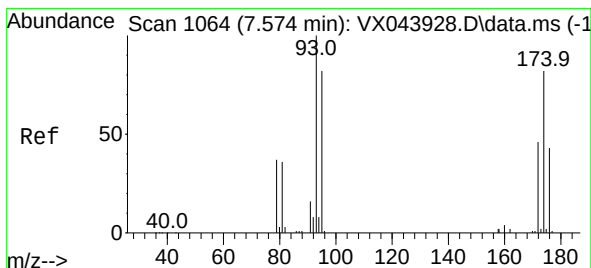
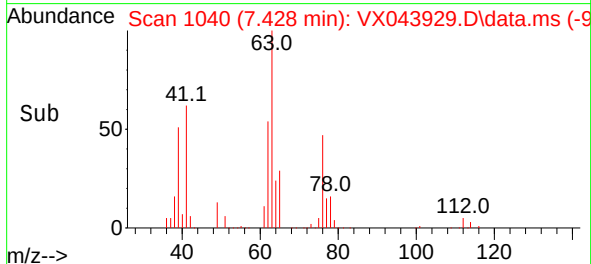
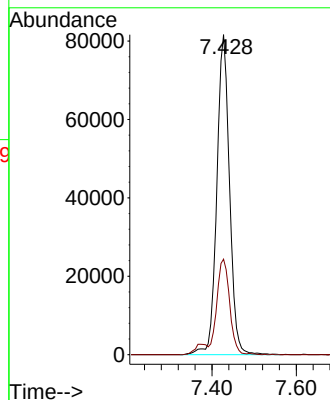
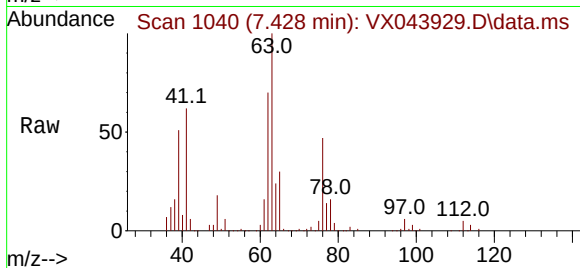
VSTDICC100

Tgt Ion: 63 Resp: 170741

Ion Ratio Lower Upper

63 100

65 29.9 23.8 35.6



#46

Dibromomethane

Concen: 102.651 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

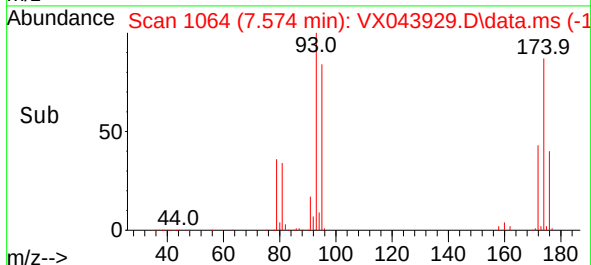
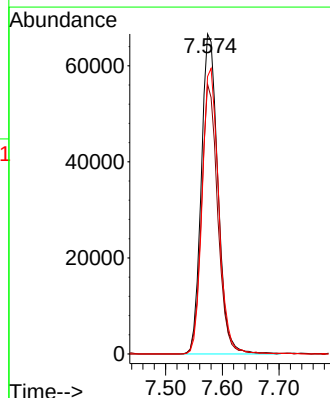
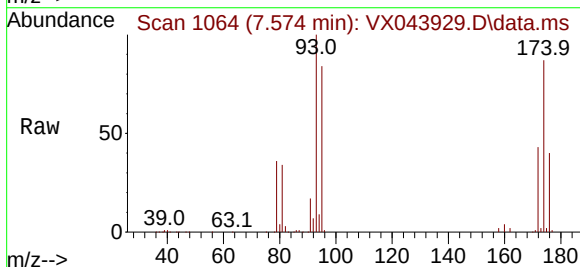
Tgt Ion: 93 Resp: 135928

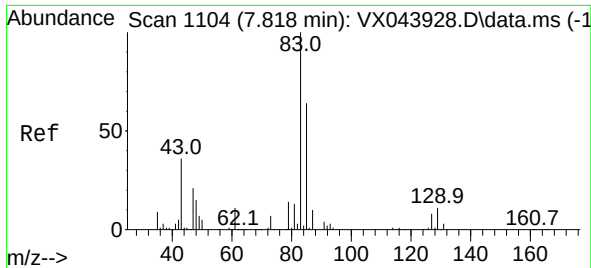
Ion Ratio Lower Upper

93 100

95 81.9 66.2 99.4

174 88.2 69.6 104.4

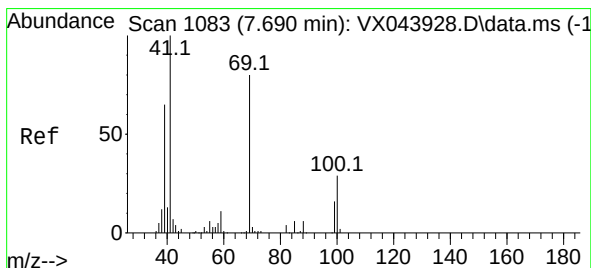
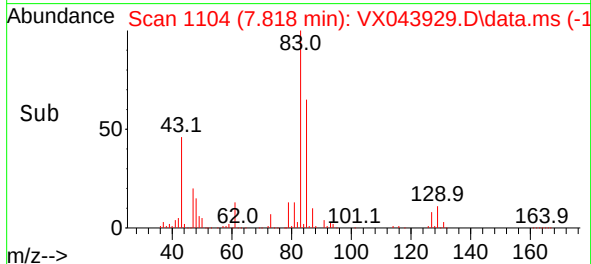
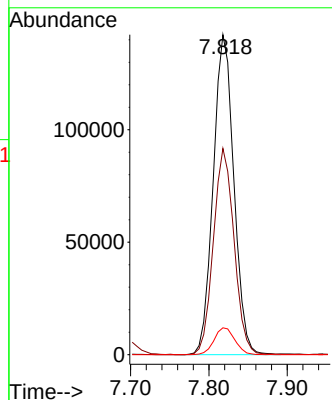
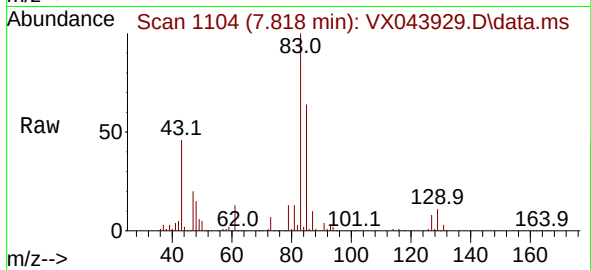




#47  
Bromodichloromethane  
Concen: 109.665 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

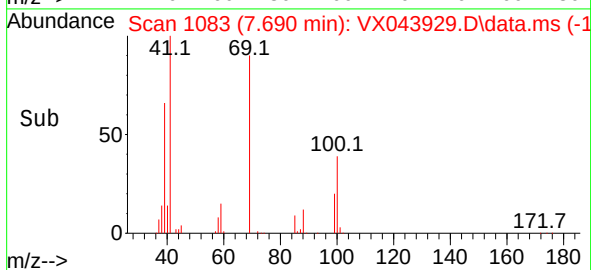
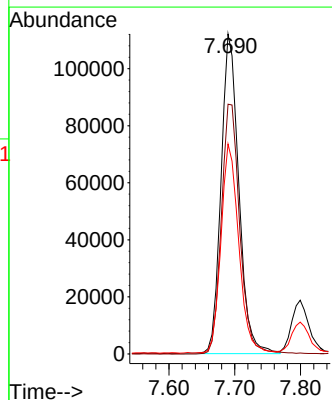
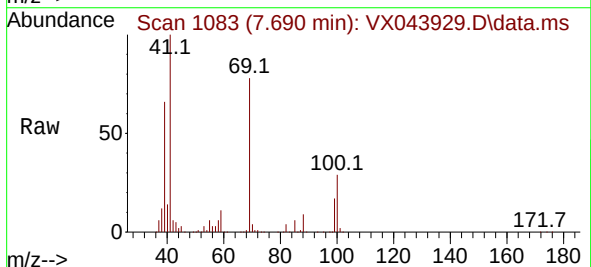
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

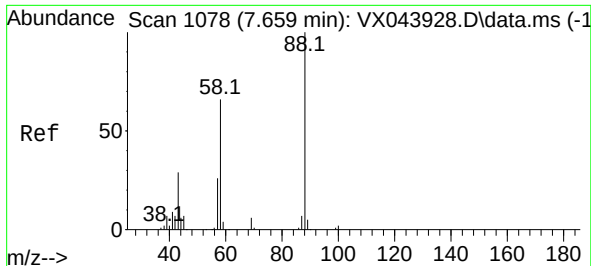
Tgt Ion: 83 Resp: 260442  
Ion Ratio Lower Upper  
83 100  
85 64.5 51.4 77.0  
127 8.4 6.6 10.0



#48  
Methyl methacrylate  
Concen: 101.262 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 41 Resp: 210614  
Ion Ratio Lower Upper  
41 100  
69 81.2 64.6 97.0  
39 65.6 53.3 79.9





#49

1,4-Dioxane

Concen: 1752.518 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

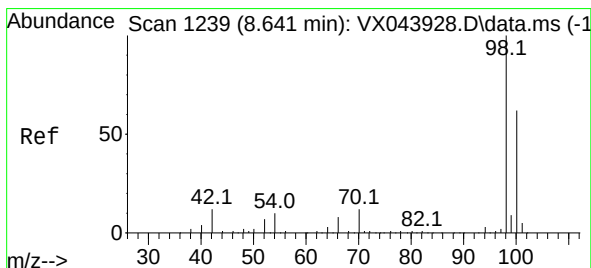
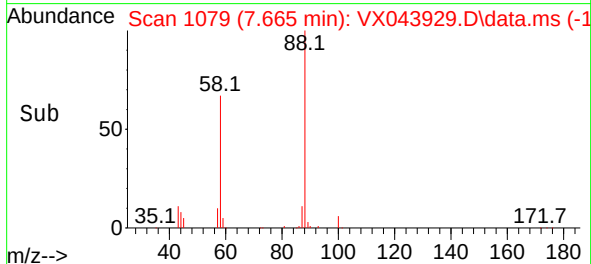
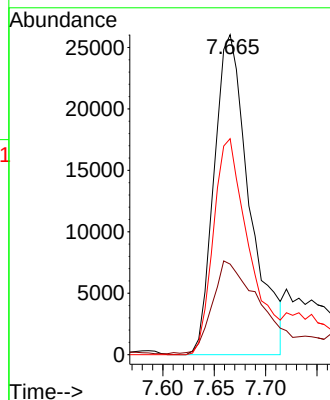
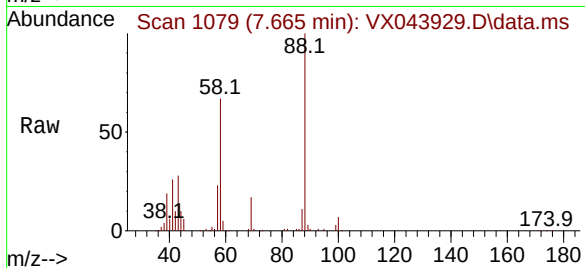
Tgt Ion: 88 Resp: 62845

Ion Ratio Lower Upper

88 100

43 38.8 26.8 40.2

58 67.9 45.4 68.2



#50

Toluene-d8

Concen: 100.062 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043929.D

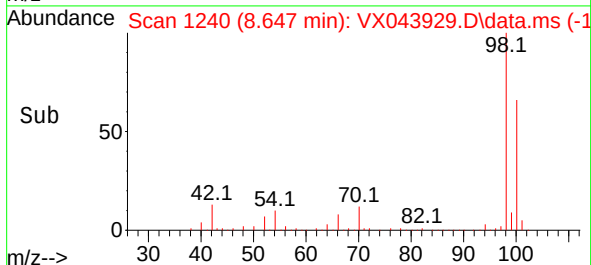
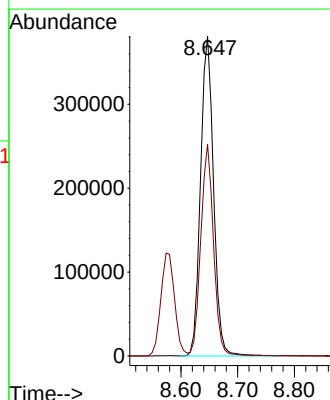
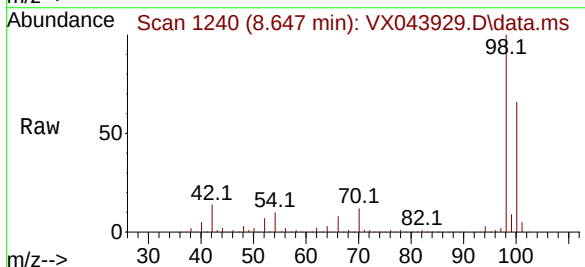
Acq: 21 Nov 2024 11:40

Tgt Ion: 98 Resp: 607337

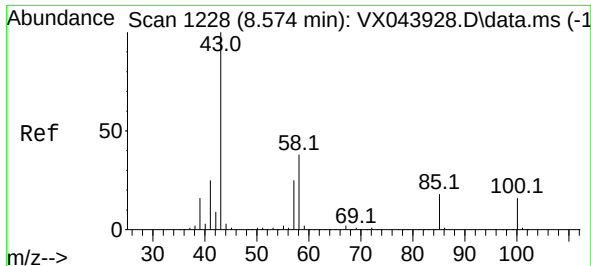
Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0







#51

4-Methyl-2-Pentanone

Concen: 502.451 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

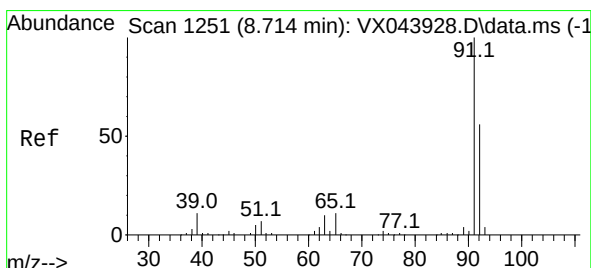
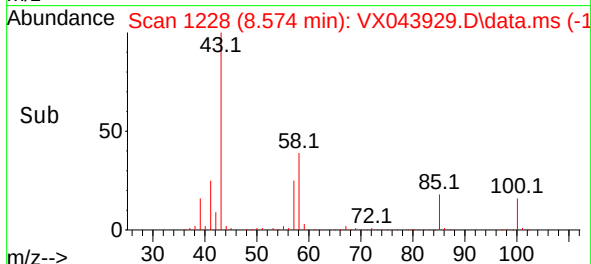
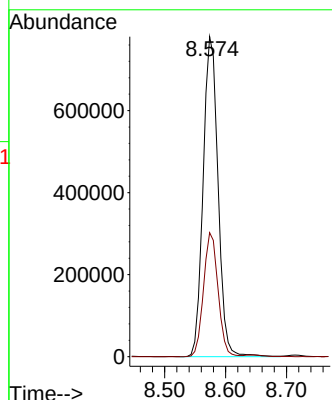
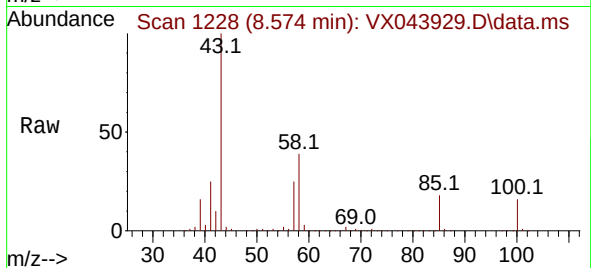
VSTDICC100

Tgt Ion: 43 Resp: 1329064

Ion Ratio Lower Upper

43 100

58 37.7 30.0 45.0



#52

Toluene

Concen: 102.426 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043929.D

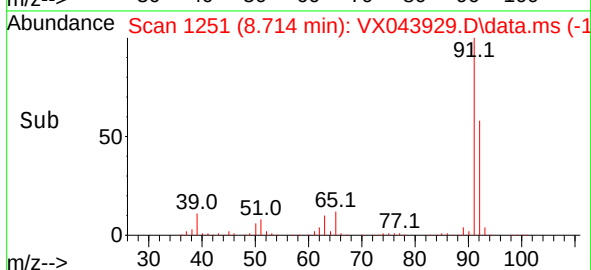
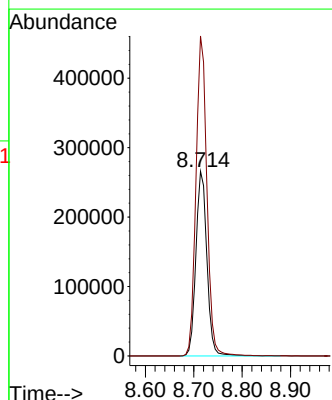
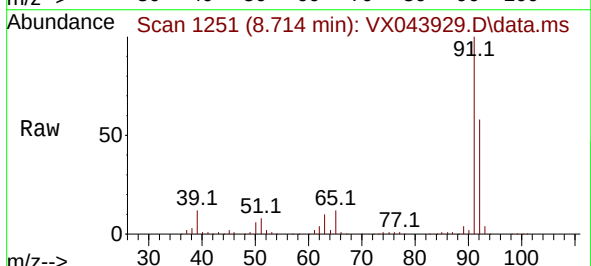
Acq: 21 Nov 2024 11:40

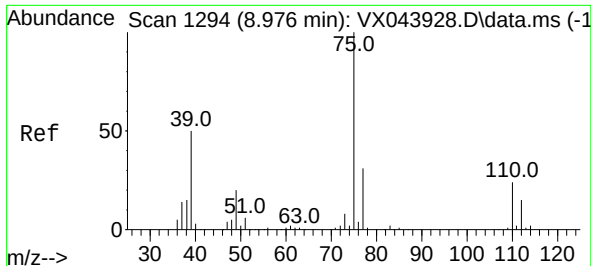
Tgt Ion: 92 Resp: 418999

Ion Ratio Lower Upper

92 100

91 172.3 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 111.660 ug/l

RT: 8.976 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

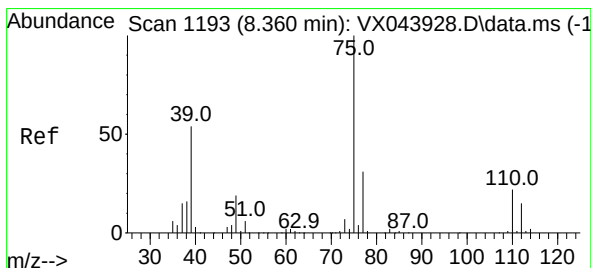
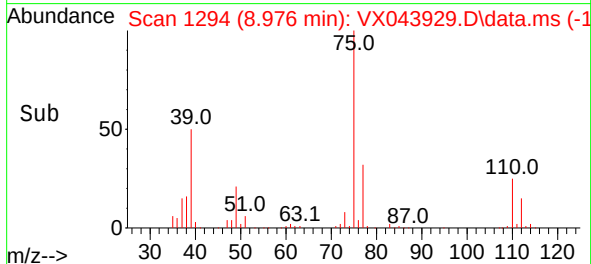
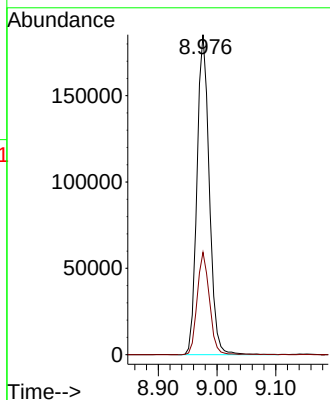
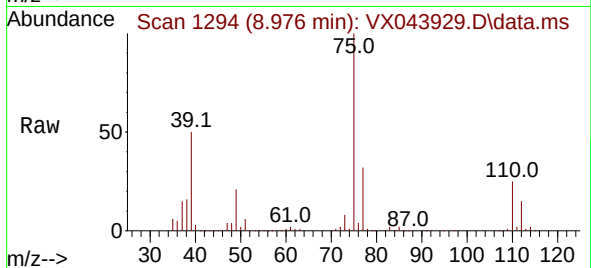
VSTDICC100

Tgt Ion: 75 Resp: 270418

Ion Ratio Lower Upper

75 100

77 32.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 107.584 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

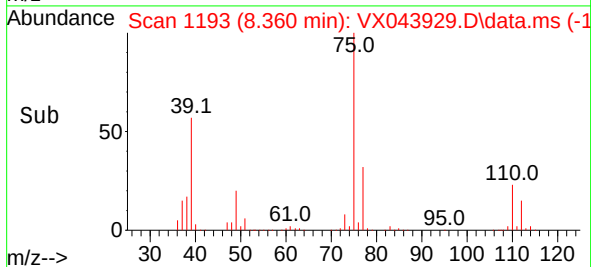
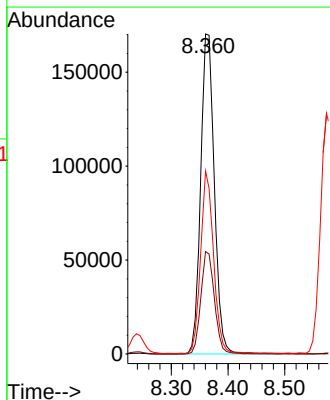
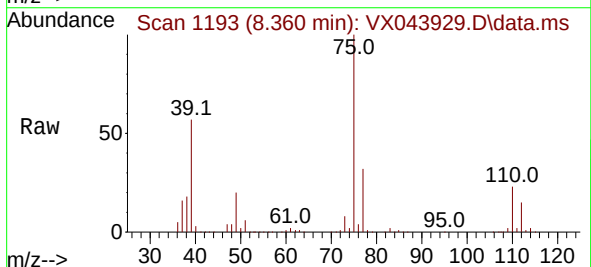
Tgt Ion: 75 Resp: 285627

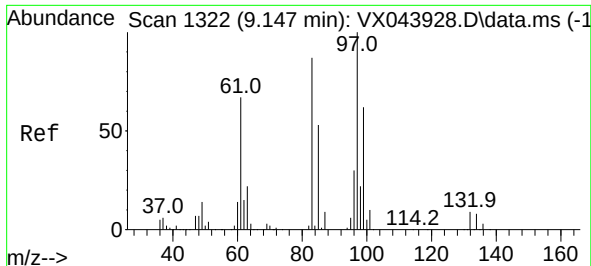
Ion Ratio Lower Upper

75 100

77 32.0 25.2 37.8

39 57.0 43.1 64.7



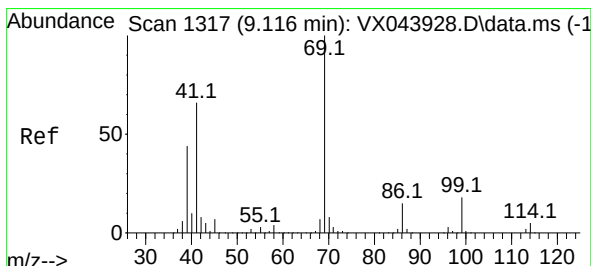
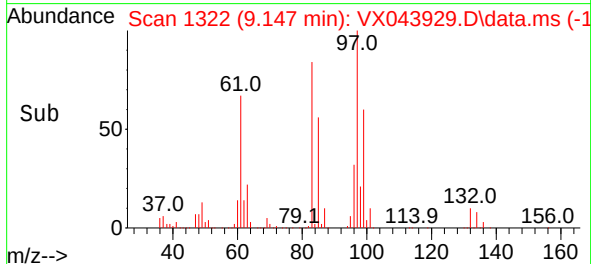
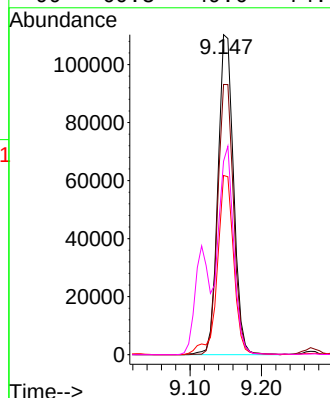
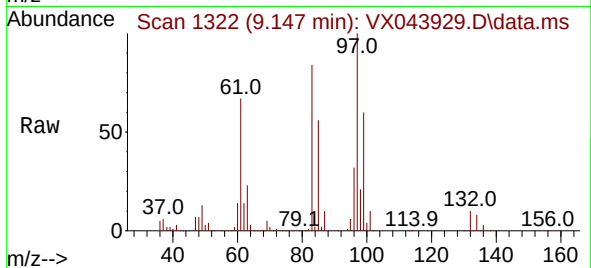


#55  
1,1,2-Trichloroethane  
Concen: 99.107 ug/l  
RT: 9.147 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

Tgt Ion: 97 Resp: 167357

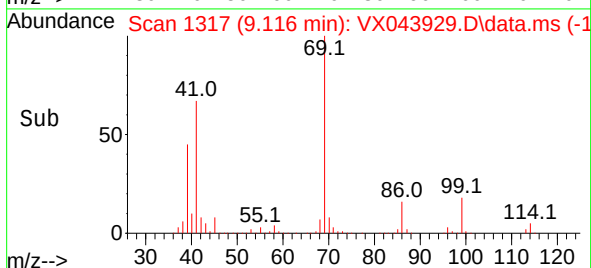
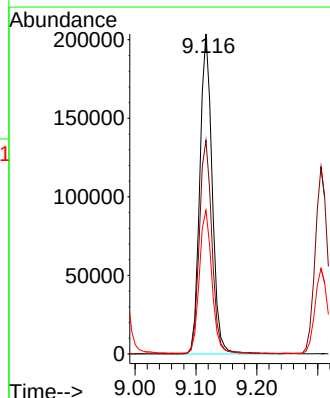
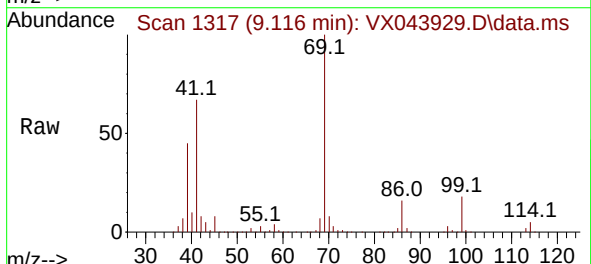
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 84.5  | 69.4  | 104.0 |
| 85  | 56.0  | 42.3  | 63.5  |
| 99  | 60.3  | 49.6  | 74.4  |

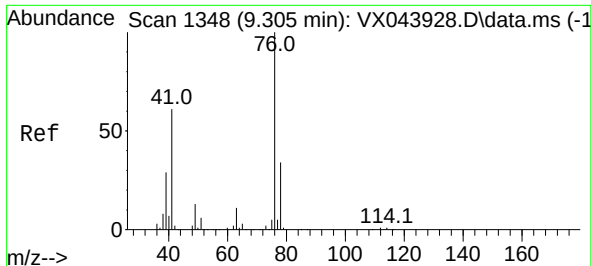


#56  
Ethyl methacrylate  
Concen: 109.076 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 69 Resp: 286893

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 68.0  | 55.8  | 83.8  |
| 39  | 45.3  | 36.7  | 55.1  |

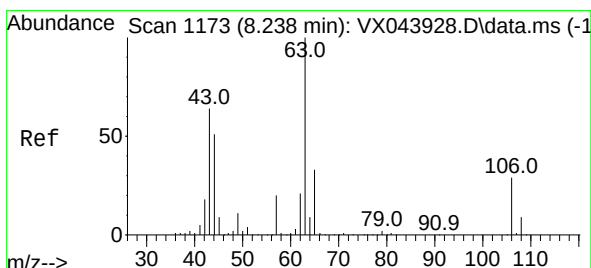
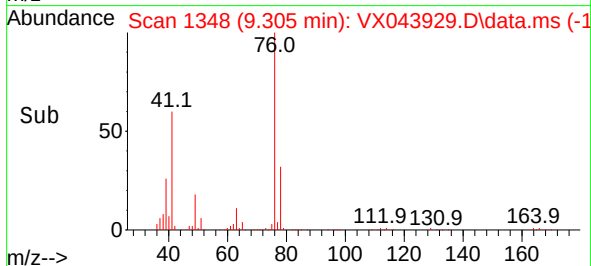
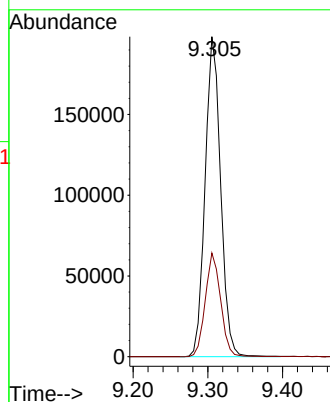
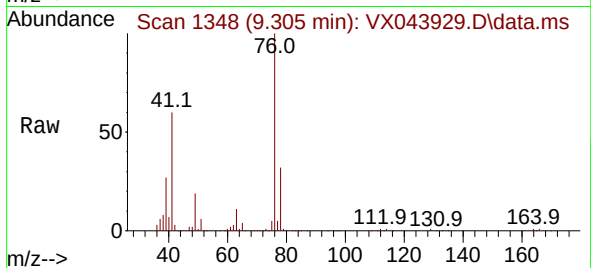




#57  
1,3-Dichloropropane  
Concen: 100.370 ug/l  
RT: 9.305 min Scan# 1348  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

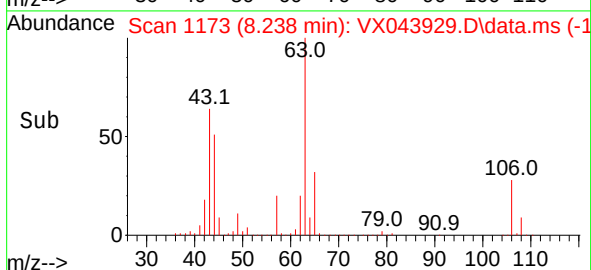
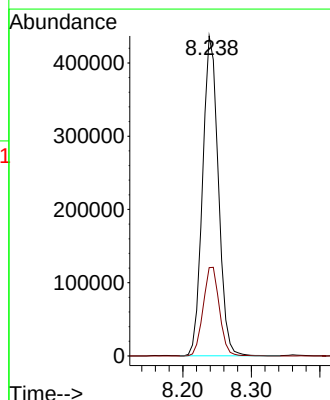
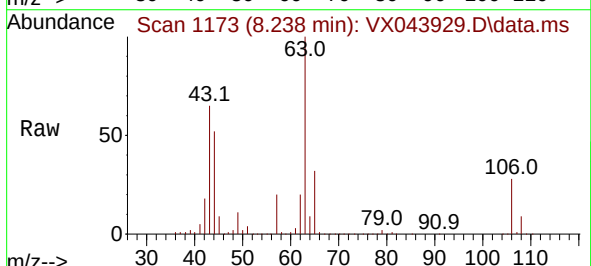
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

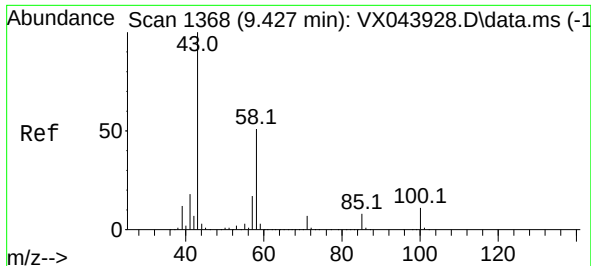
Tgt Ion: 76 Resp: 285511  
Ion Ratio Lower Upper  
76 100  
78 32.1 26.0 39.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 489.972 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 63 Resp: 698756  
Ion Ratio Lower Upper  
63 100  
106 28.6 23.0 34.6





#59

2-Hexanone

Concen: 508.639 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

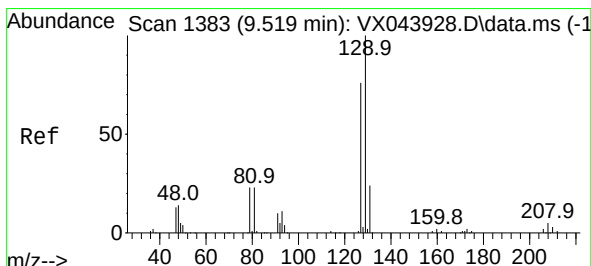
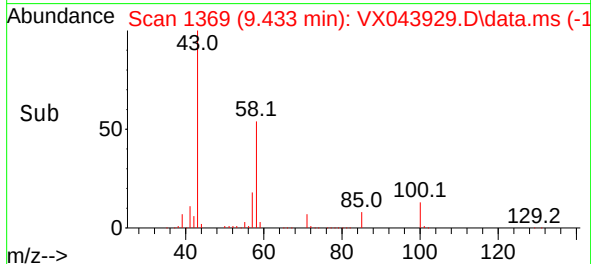
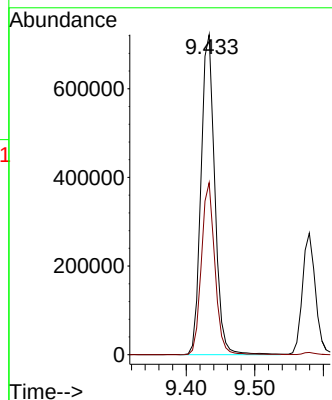
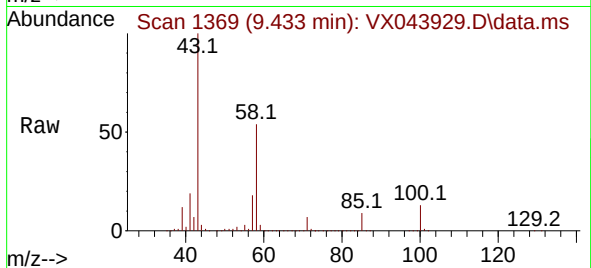
VSTDIC100

Tgt Ion: 43 Resp: 1011261

Ion Ratio Lower Upper

43 100

58 52.7 25.9 77.6



#60

Dibromochloromethane

Concen: 110.653 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043929.D

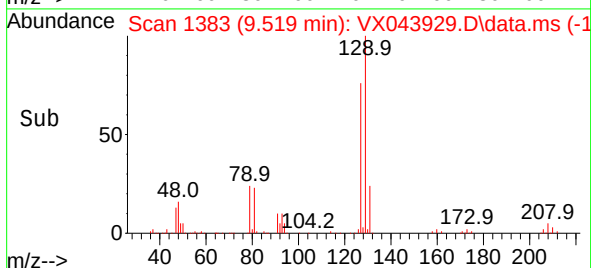
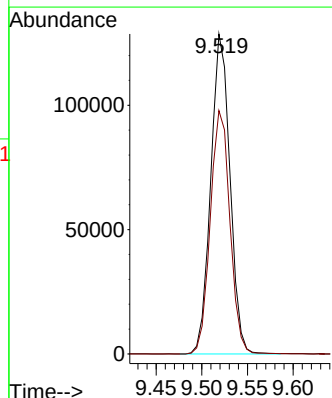
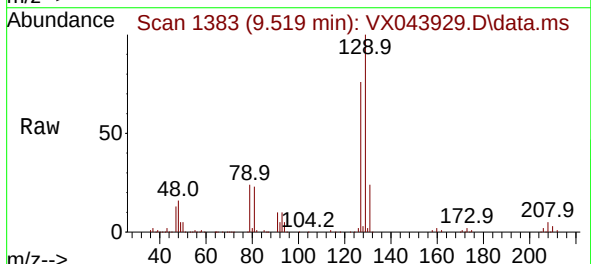
Acq: 21 Nov 2024 11:40

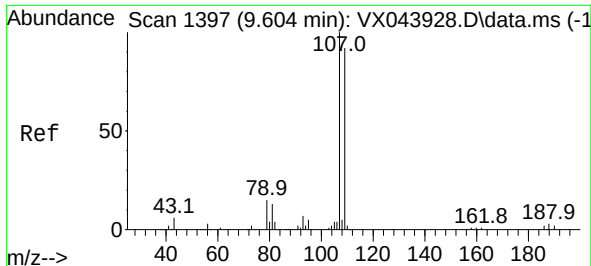
Tgt Ion: 129 Resp: 187476

Ion Ratio Lower Upper

129 100

127 77.8 38.2 114.6





#61

1,2-Dibromoethane

Concen: 103.278 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

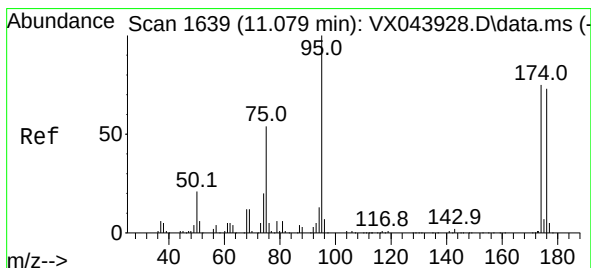
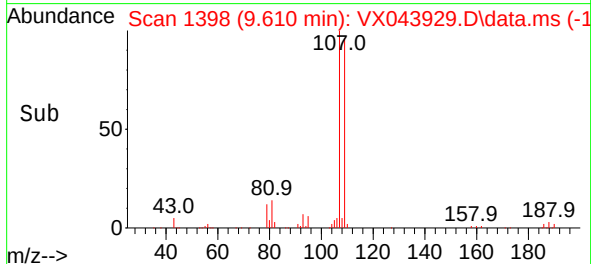
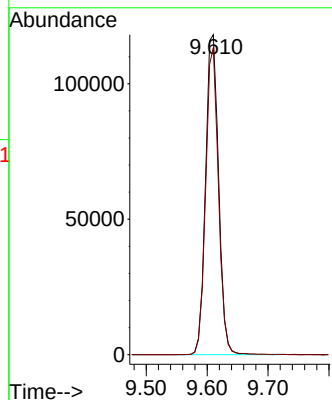
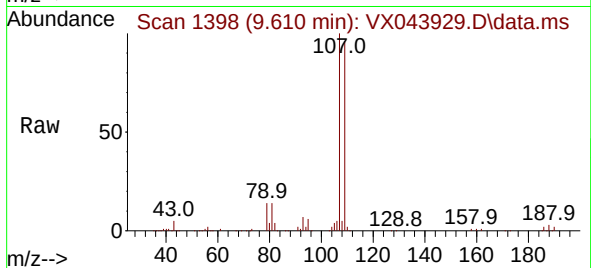
VSTDIC100

Tgt Ion:107 Resp: 176345

Ion Ratio Lower Upper

107 100

109 93.9 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 104.545 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

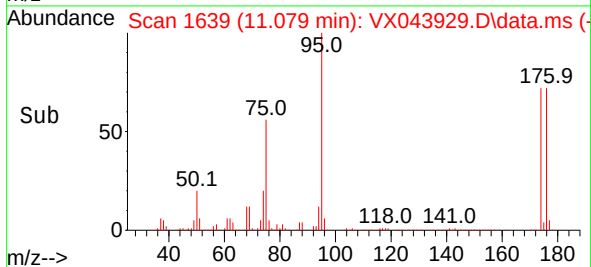
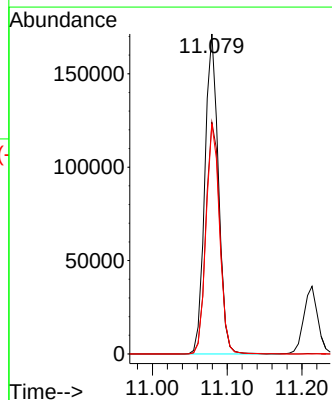
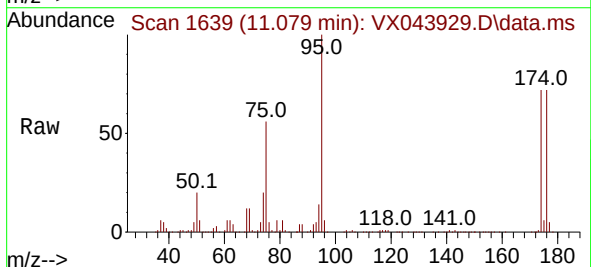
Tgt Ion: 95 Resp: 215953

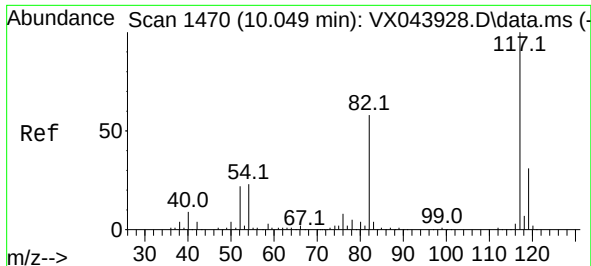
Ion Ratio Lower Upper

95 100

174 74.1 0.0 150.4

176 71.8 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

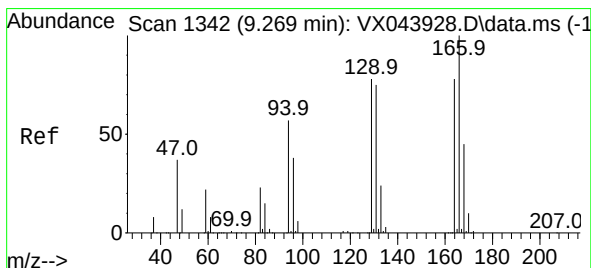
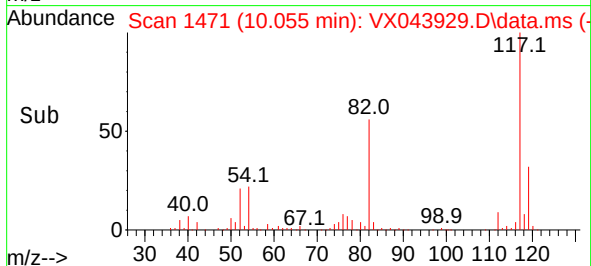
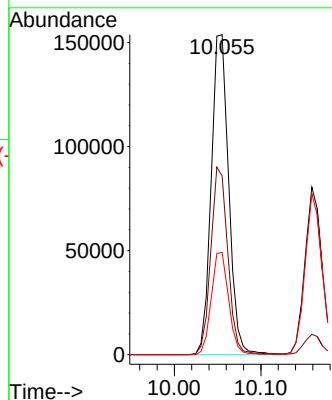
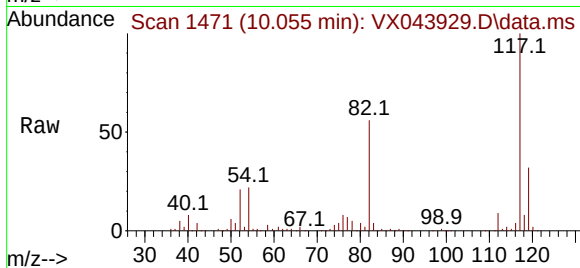
Tgt Ion:117 Resp: 215595

Ion Ratio Lower Upper

117 100

82 55.9 46.4 69.6

119 31.9 24.6 37.0



#64

Tetrachloroethene

Concen: 95.484 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion:164 Resp: 135740

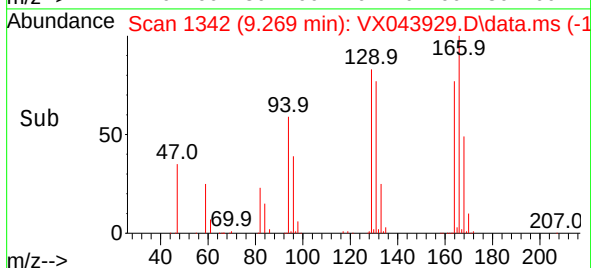
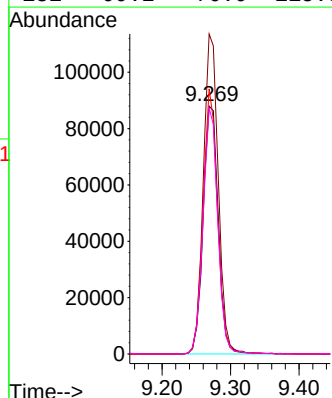
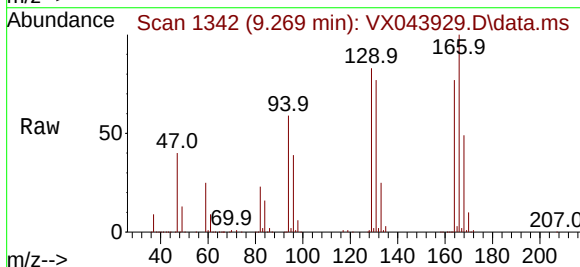
Ion Ratio Lower Upper

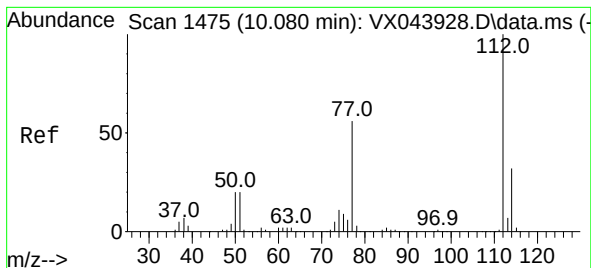
164 100

166 129.1 102.1 153.1

129 107.0 79.6 119.4

131 99.2 76.9 115.3

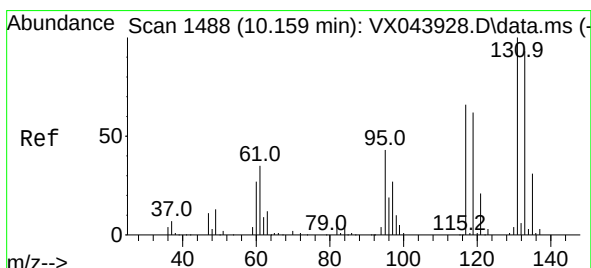
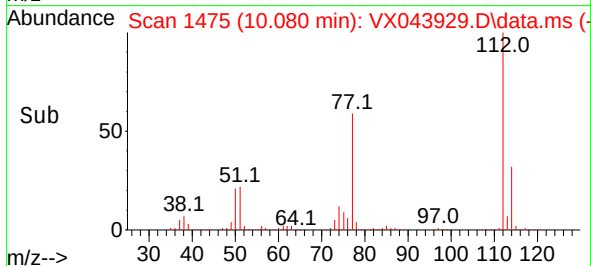
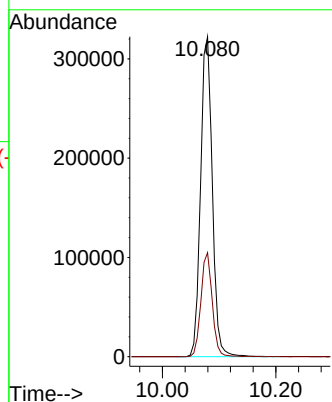
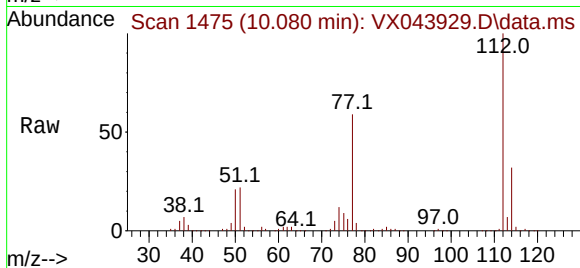




#65  
Chlorobenzene  
Concen: 97.374 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

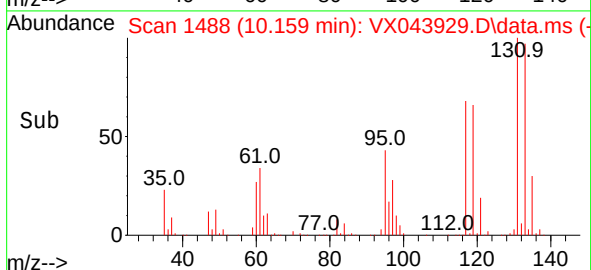
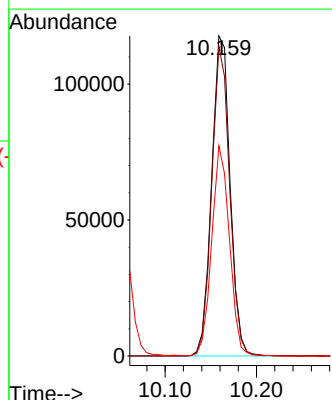
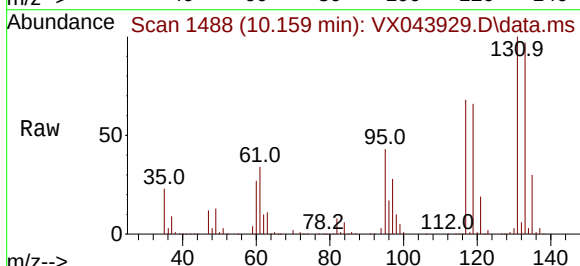
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion:112 Resp: 461076  
Ion Ratio Lower Upper  
112 100  
114 32.5 25.4 38.0

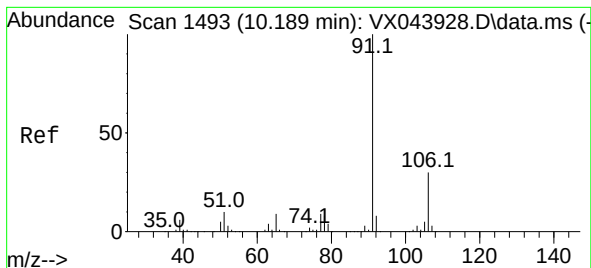


#66  
1,1,1,2-Tetrachloroethane  
Concen: 107.177 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion:131 Resp: 164586  
Ion Ratio Lower Upper  
131 100  
133 94.2 48.2 144.6  
119 63.2 31.5 94.5







#67

Ethyl Benzene

Concen: 101.238 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

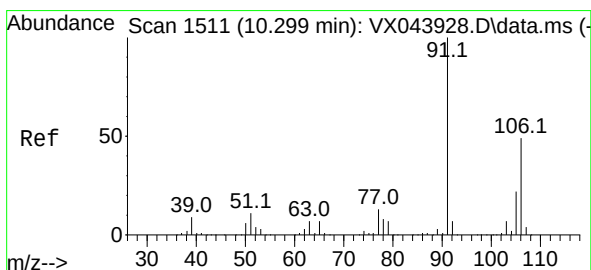
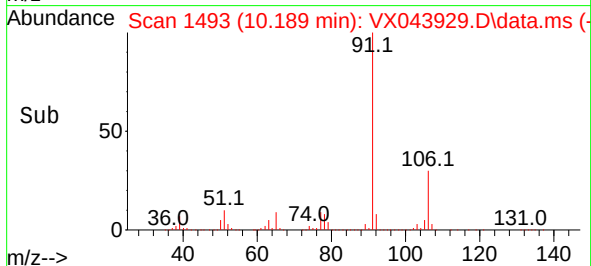
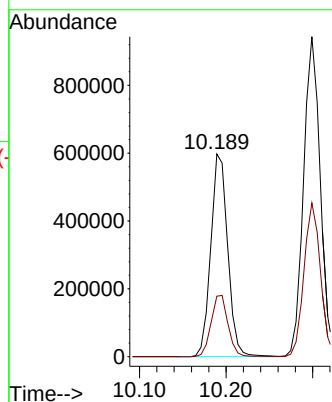
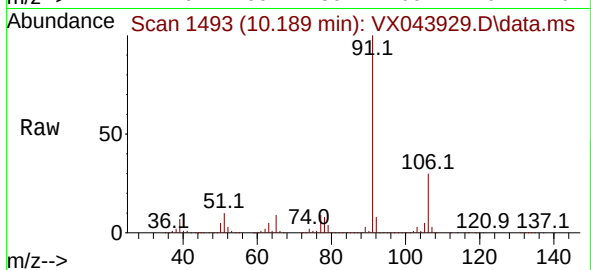
VSTDICC100

Tgt Ion: 91 Resp: 812289

Ion Ratio Lower Upper

91 100

106 29.8 23.6 35.4



#68

m/p-Xylenes

Concen: 201.677 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043929.D

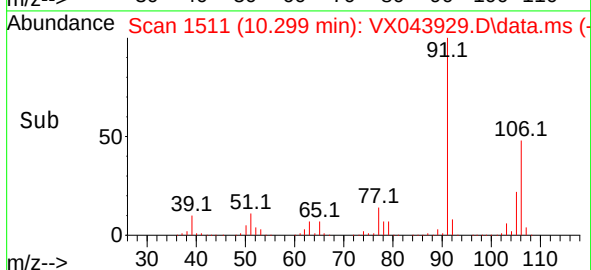
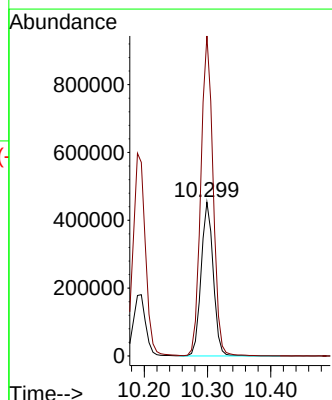
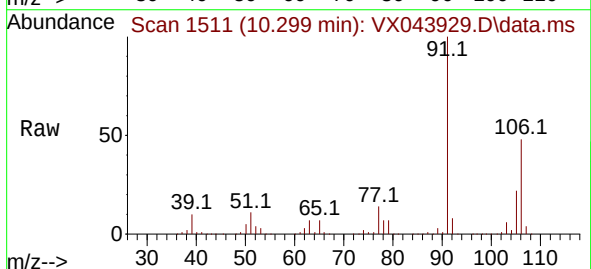
Acq: 21 Nov 2024 11:40

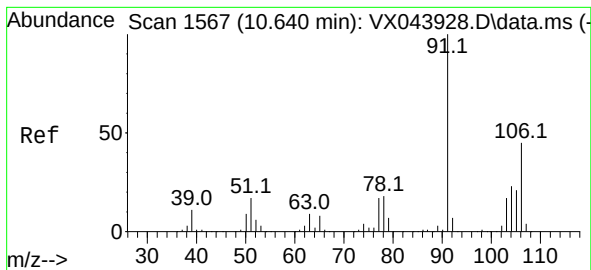
Tgt Ion:106 Resp: 603451

Ion Ratio Lower Upper

106 100

91 210.3 168.1 252.1





#69

o-Xylene

Concen: 102.257 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

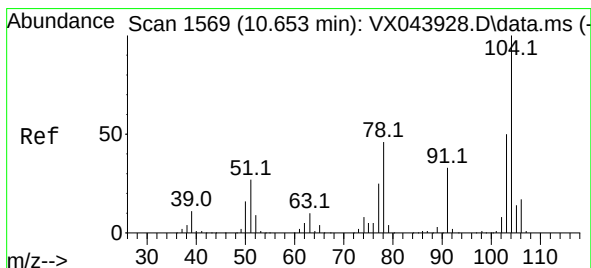
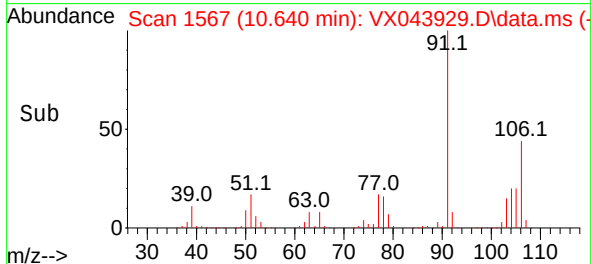
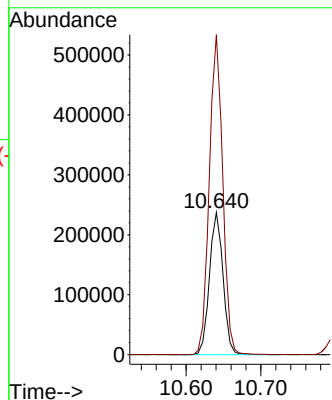
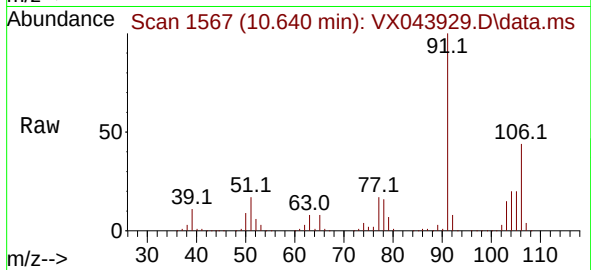
VSTDICC100

Tgt Ion:106 Resp: 298739

Ion Ratio Lower Upper

106 100

91 222.3 110.2 330.6



#70

Styrene

Concen: 105.807 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

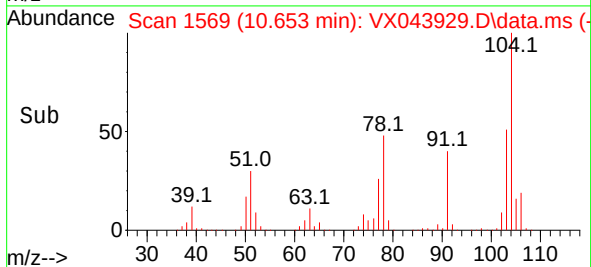
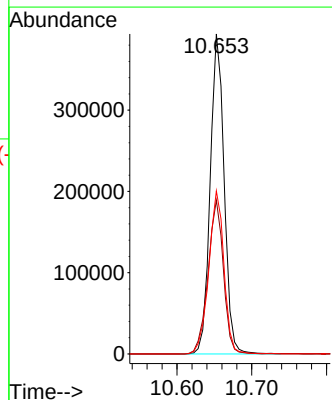
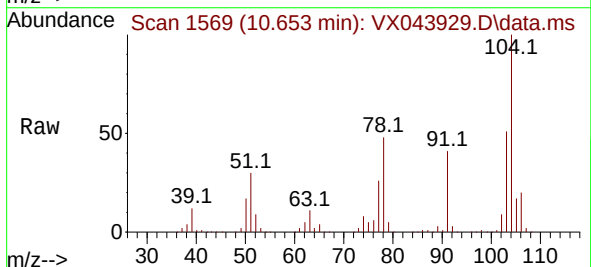
Tgt Ion:104 Resp: 511251

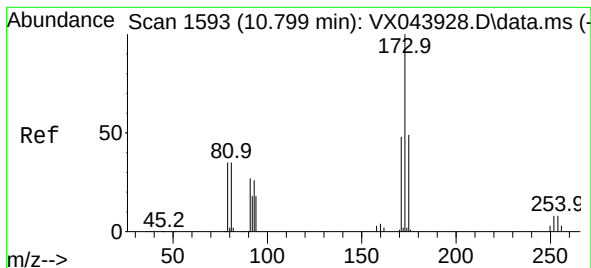
Ion Ratio Lower Upper

104 100

78 53.1 42.2 63.2

103 55.4 44.7 67.1





#71

Bromoform

Concen: 98.888 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

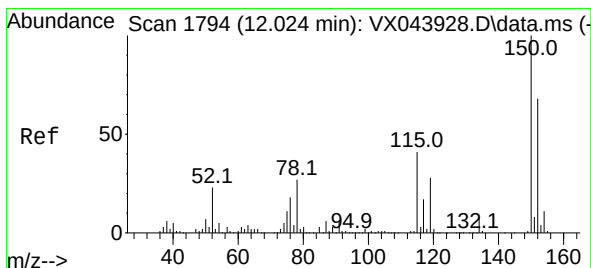
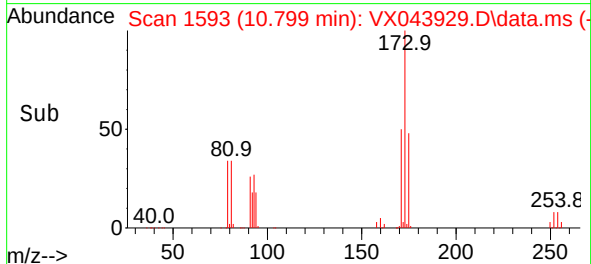
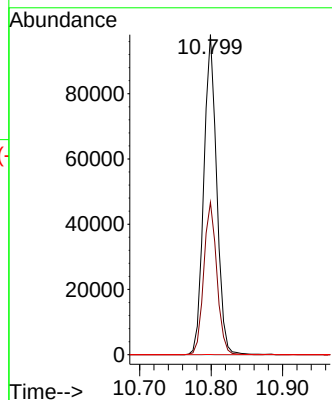
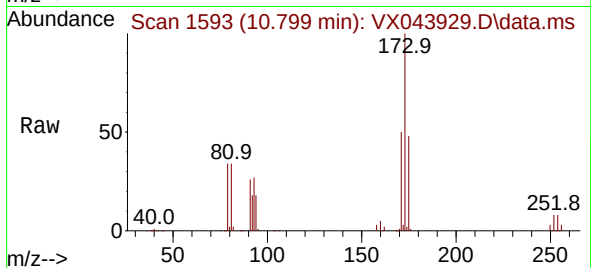
Tgt Ion:173 Resp: 123114

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

254 0.0 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

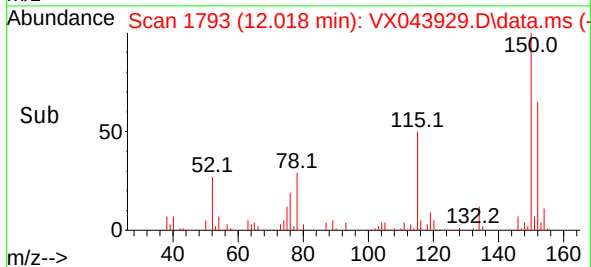
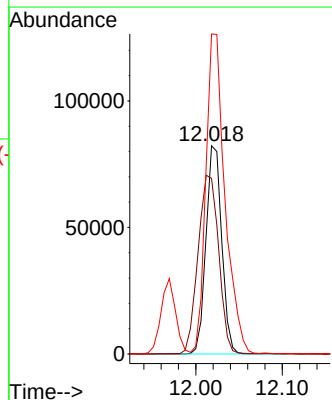
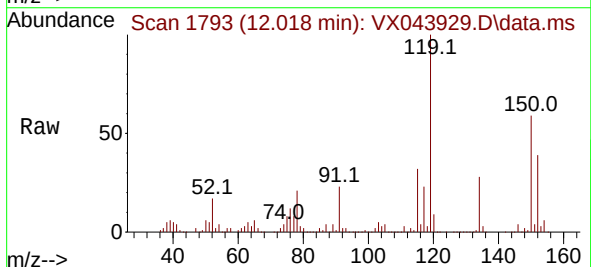
Tgt Ion:152 Resp: 104048

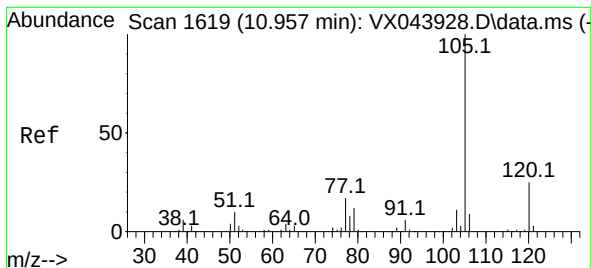
Ion Ratio Lower Upper

152 100

115 112.2 45.4 136.2

150 186.1 0.0 353.0





#73

Isopropylbenzene

Concen: 95.726 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

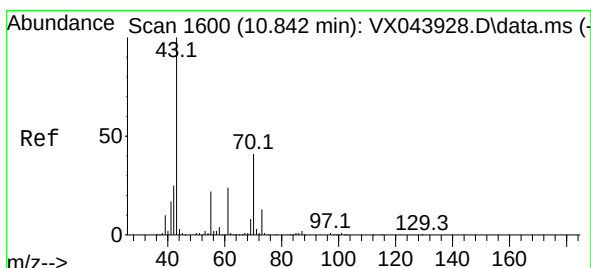
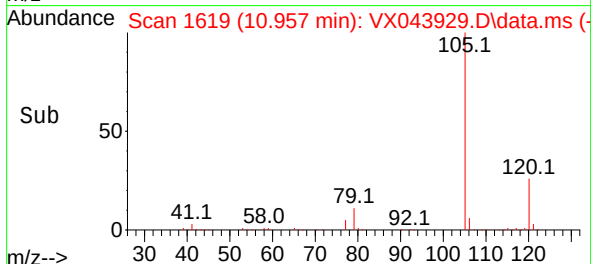
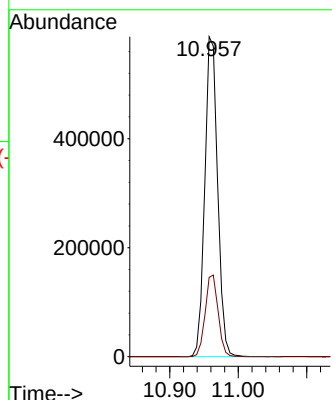
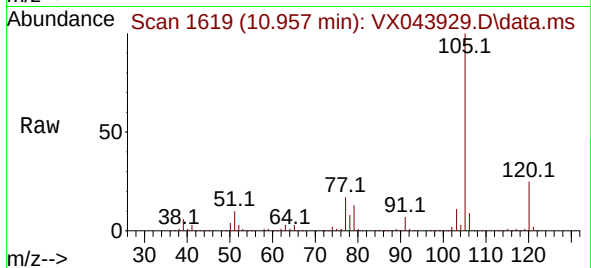
VSTDICC100

Tgt Ion:105 Resp: 765623

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



#74

N-ethyl acetate

Concen: 106.458 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Tgt Ion: 43 Resp: 394438

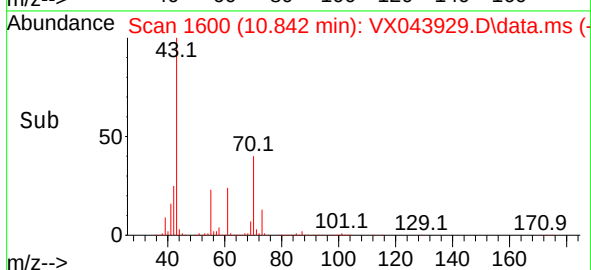
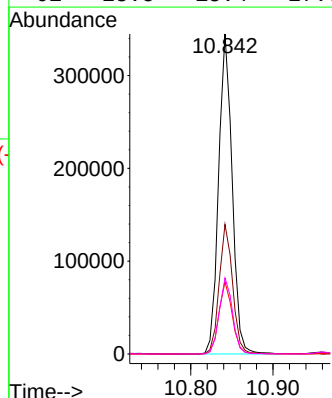
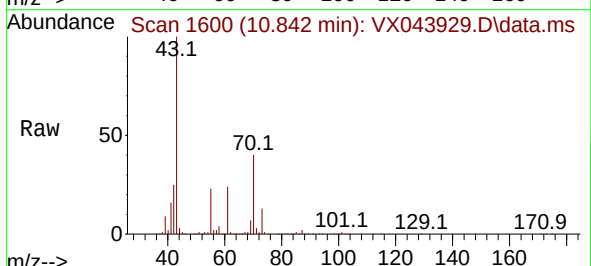
Ion Ratio Lower Upper

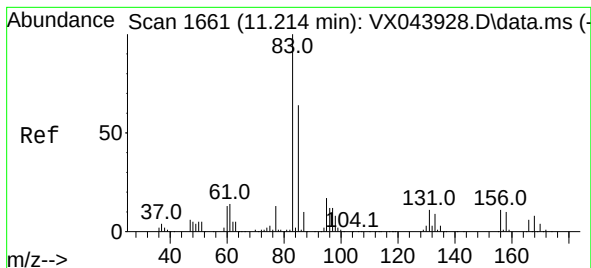
43 100

70 40.2 32.2 48.2

55 22.3 18.1 27.1

61 23.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 95.779 ug/l

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

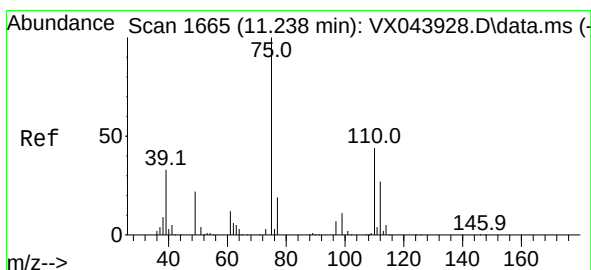
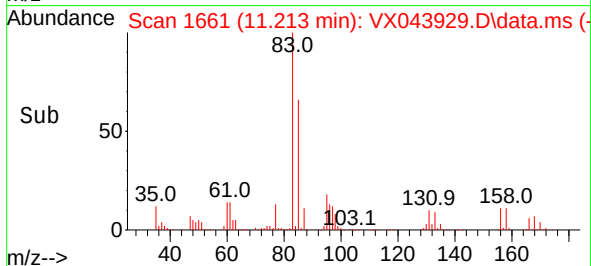
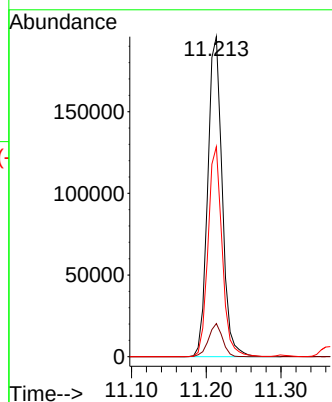
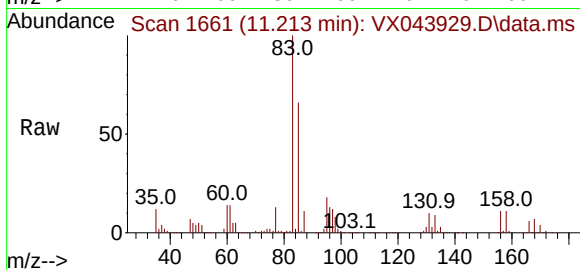
Tgt Ion: 83 Resp: 262302

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

85 64.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 132.787 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043929.D

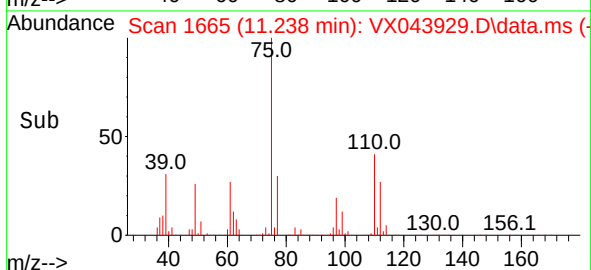
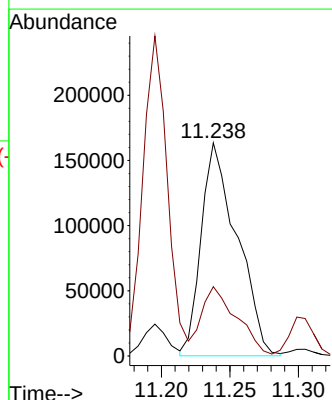
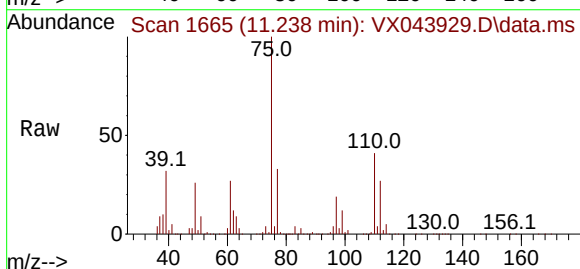
Acq: 21 Nov 2024 11:40

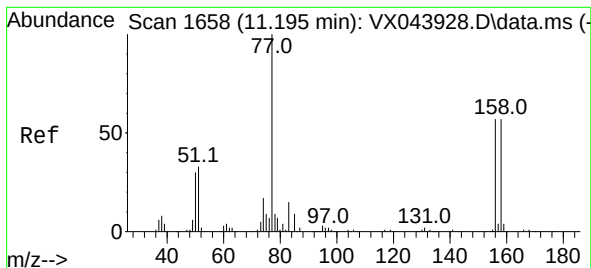
Tgt Ion: 75 Resp: 297947

Ion Ratio Lower Upper

75 100

77 31.9 21.8 65.3





#77

Bromobenzene

Concen: 96.304 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

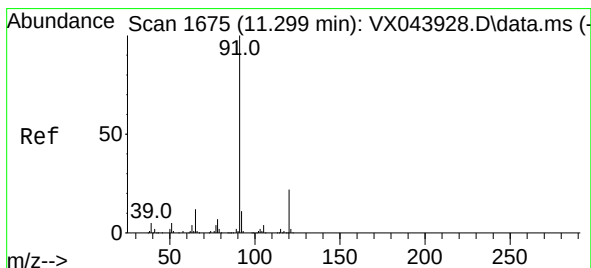
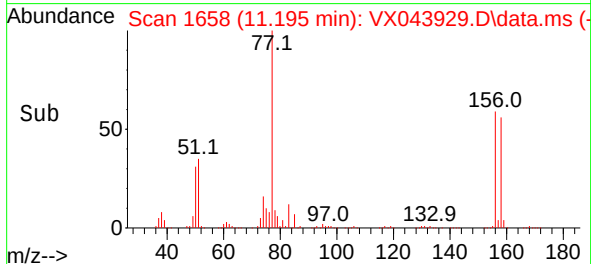
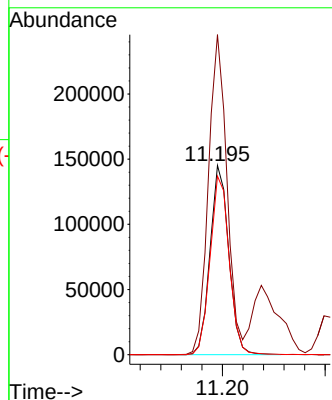
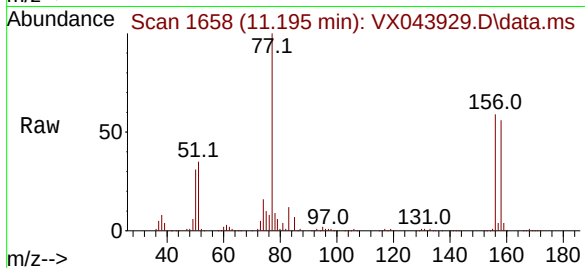
Tgt Ion:156 Resp: 183742

Ion Ratio Lower Upper

156 100

77 166.9 83.4 250.1

158 96.3 47.6 142.8



#78

n-propylbenzene

Concen: 99.846 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043929.D

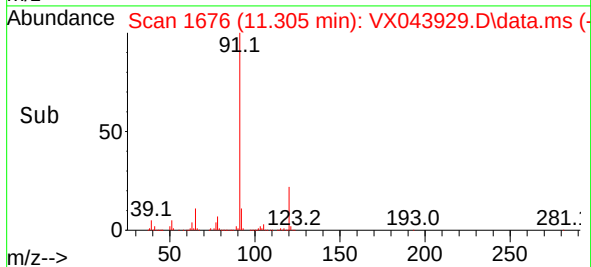
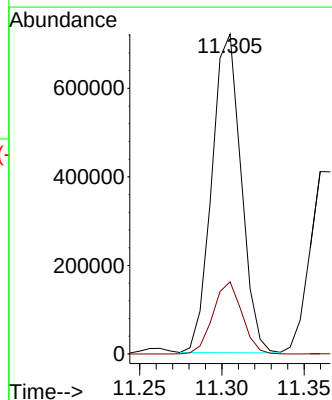
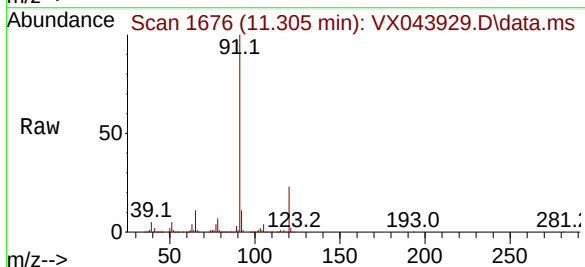
Acq: 21 Nov 2024 11:40

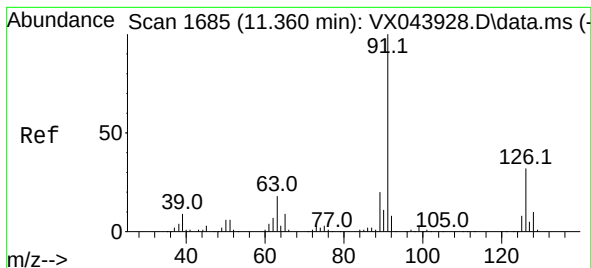
Tgt Ion: 91 Resp: 891893

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 95.103 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

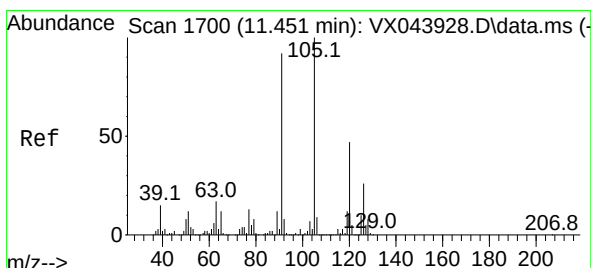
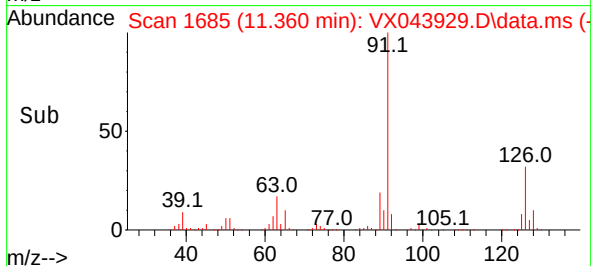
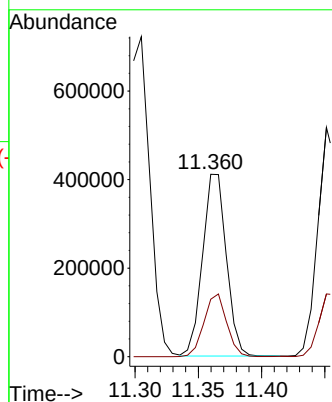
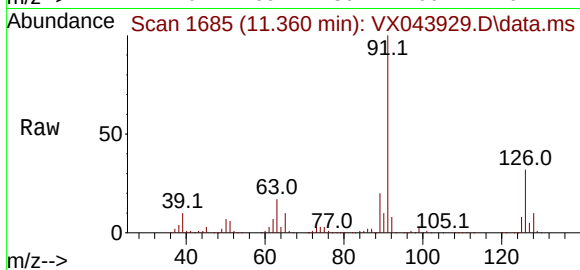
VSTDICC100

Tgt Ion: 91 Resp: 537190

Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 98.618 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043929.D

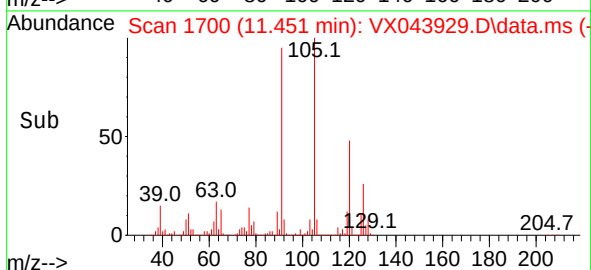
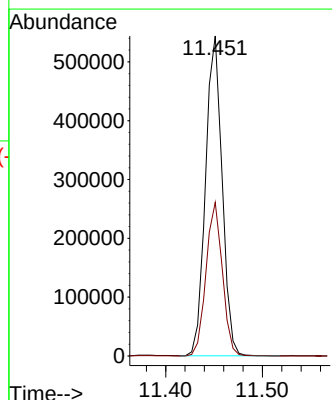
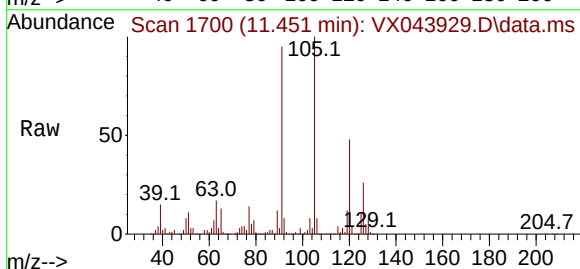
Acq: 21 Nov 2024 11:40

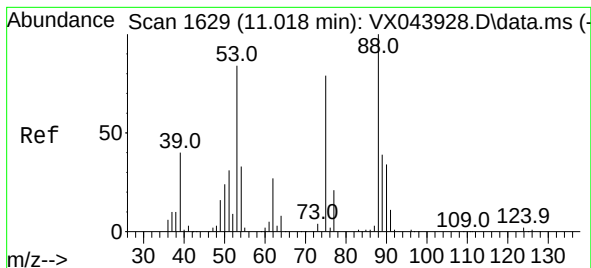
Tgt Ion:105 Resp: 648916

Ion Ratio Lower Upper

105 100

120 47.2 23.3 69.8

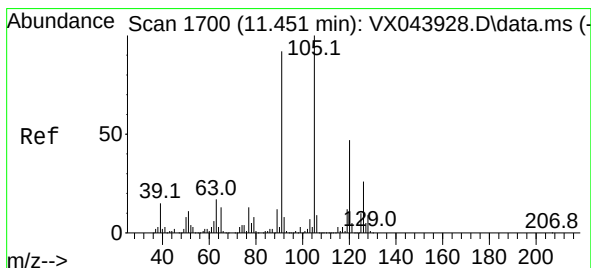
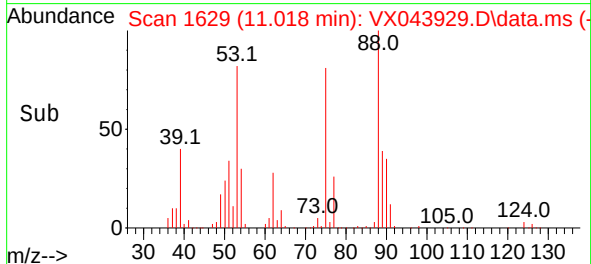
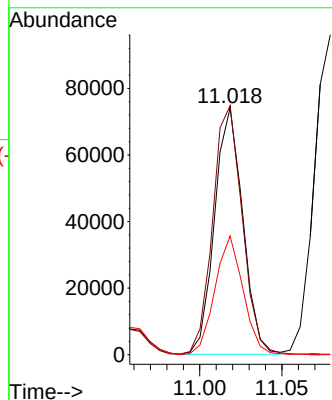
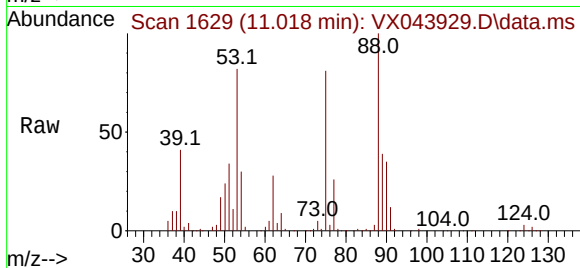




#81  
trans-1,4-Dichloro-2-butene  
Concen: 105.289 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

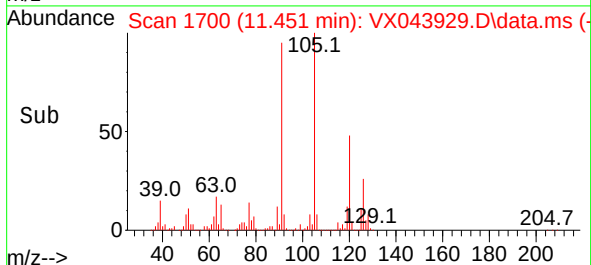
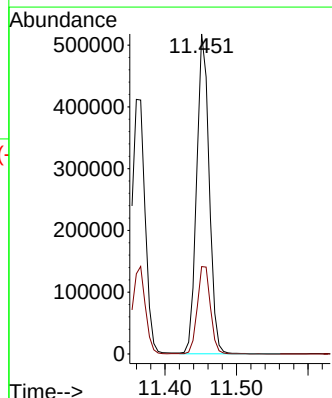
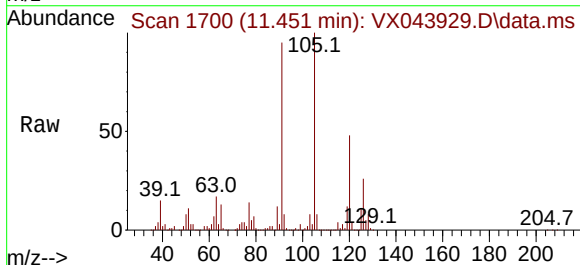
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Tgt Ion: 75 Resp: 88041  
Ion Ratio Lower Upper  
75 100  
53 106.0 86.7 130.1  
89 48.3 38.2 57.2

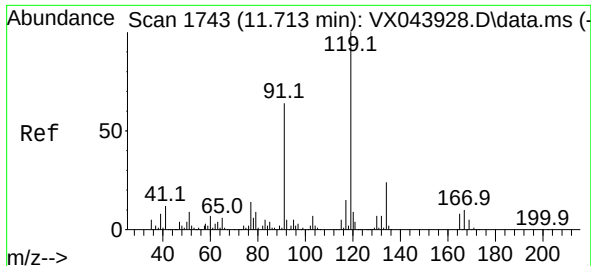


#82  
4-Chlorotoluene  
Concen: 98.728 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion: 91 Resp: 629590  
Ion Ratio Lower Upper  
91 100  
126 28.7 14.3 42.9







#83

tert-Butylbenzene

Concen: 100.570 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

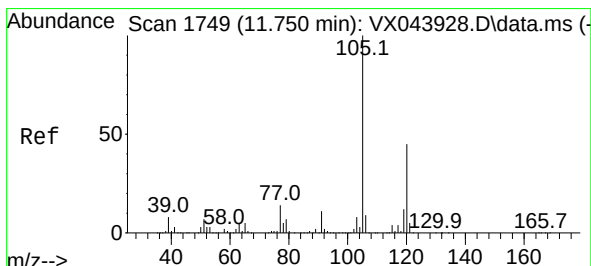
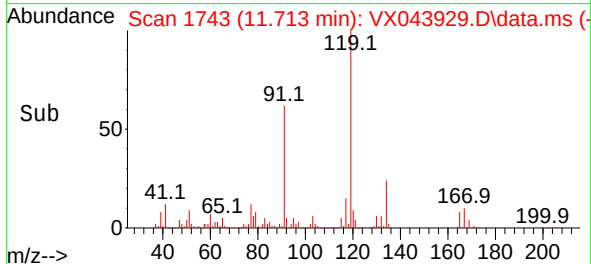
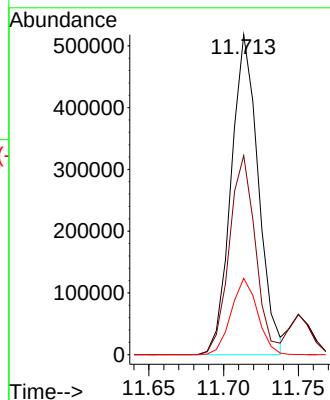
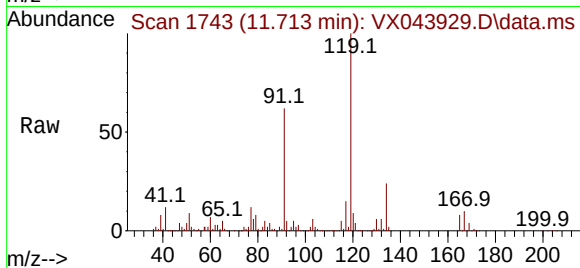
Tgt Ion:119 Resp: 655918

Ion Ratio Lower Upper

119 100

91 60.2 31.0 93.0

134 23.1 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 99.244 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043929.D

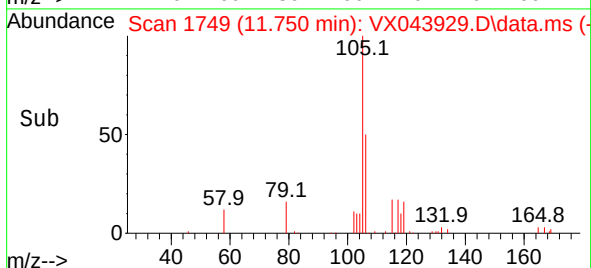
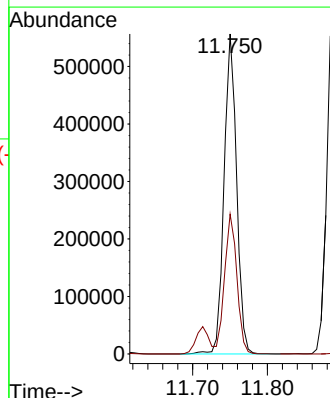
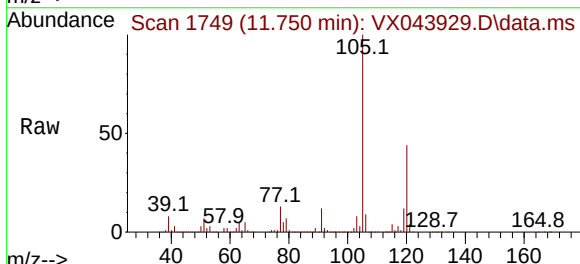
Acq: 21 Nov 2024 11:40

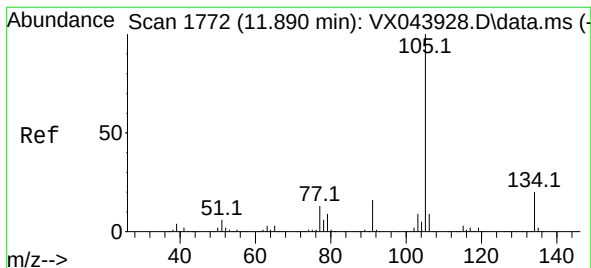
Tgt Ion:105 Resp: 650156

Ion Ratio Lower Upper

105 100

120 43.5 21.9 65.7





#85

sec-Butylbenzene

Concen: 99.267 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

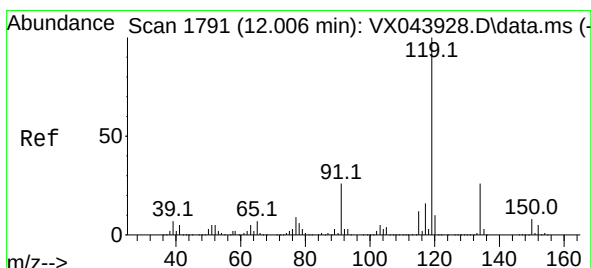
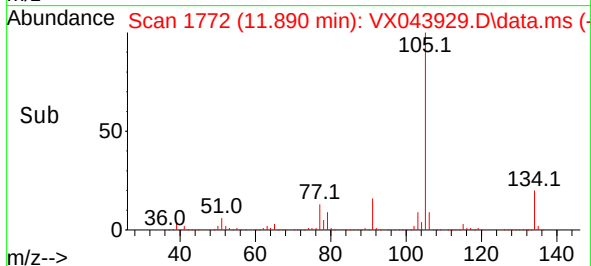
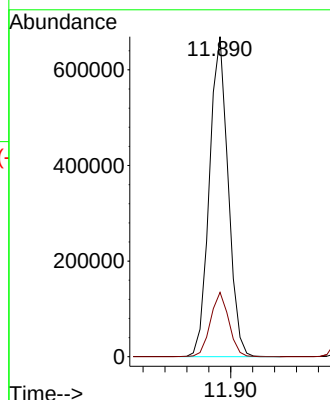
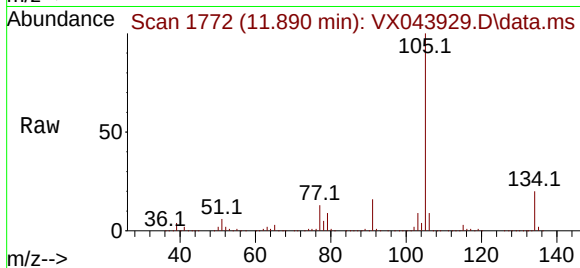
VSTDIC100

Tgt Ion:105 Resp: 793233

Ion Ratio Lower Upper

105 100

134 19.7 9.7 29.1



#86

p-Isopropyltoluene

Concen: 103.194 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

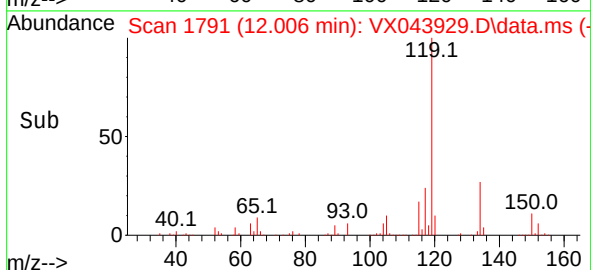
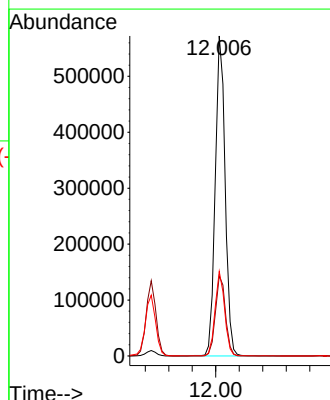
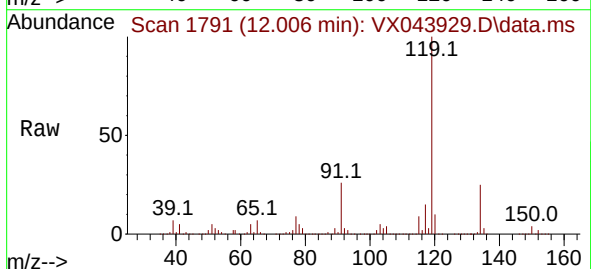
Tgt Ion:119 Resp: 669819

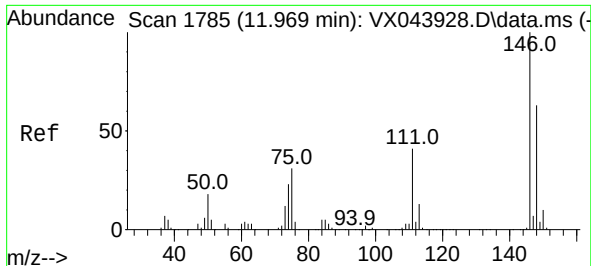
Ion Ratio Lower Upper

119 100

134 25.4 13.0 38.9

91 25.4 13.0 38.9

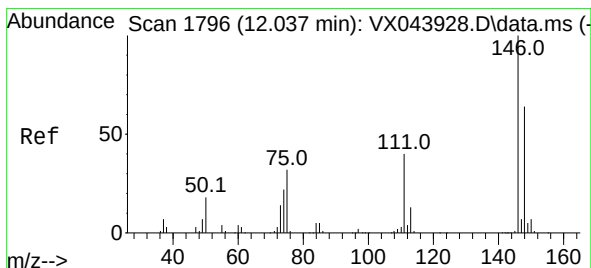
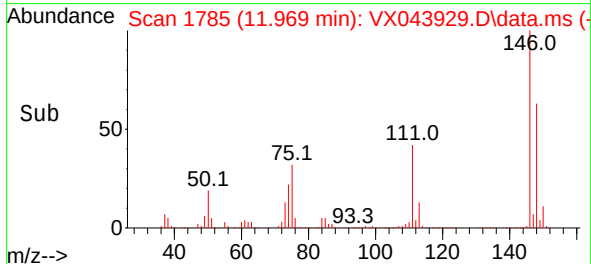
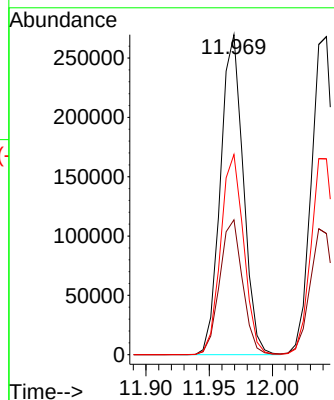
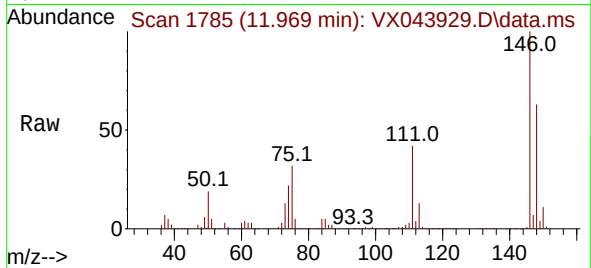




#87  
1,3-Dichlorobenzene  
Concen: 97.171 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

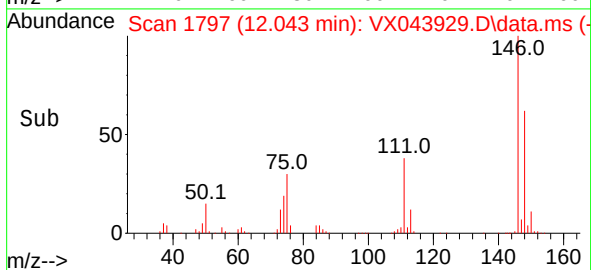
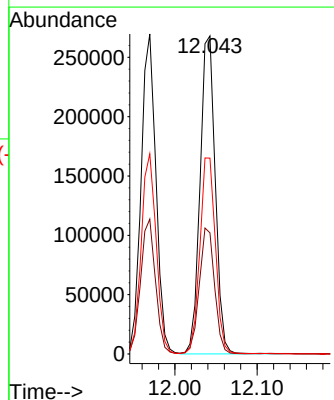
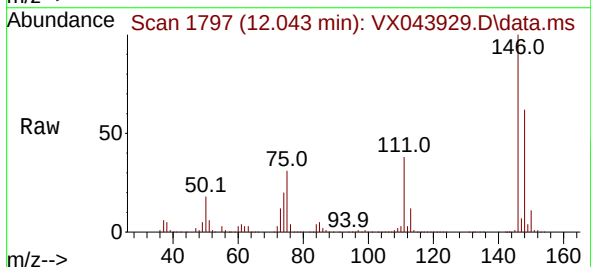
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC100

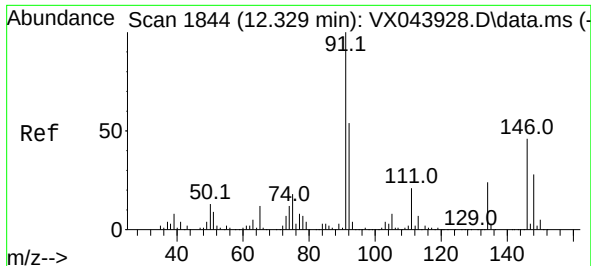
Tgt Ion:146 Resp: 337665  
Ion Ratio Lower Upper  
146 100  
111 42.3 21.1 63.3  
148 63.1 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 97.283 ug/l  
RT: 12.043 min Scan# 1797  
Delta R.T. 0.006 min  
Lab File: VX043929.D  
Acq: 21 Nov 2024 11:40

Tgt Ion:146 Resp: 343312  
Ion Ratio Lower Upper  
146 100  
111 40.0 20.1 60.3  
148 63.7 30.9 92.8





#89

n-Butylbenzene

Concen: 105.767 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

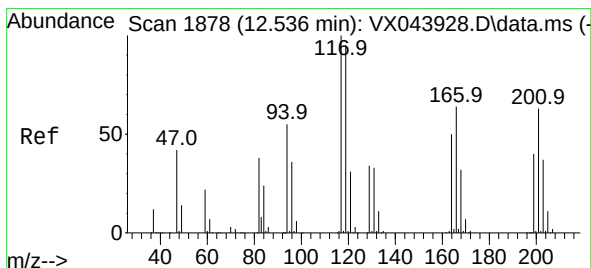
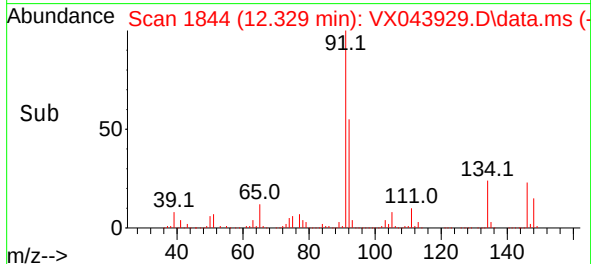
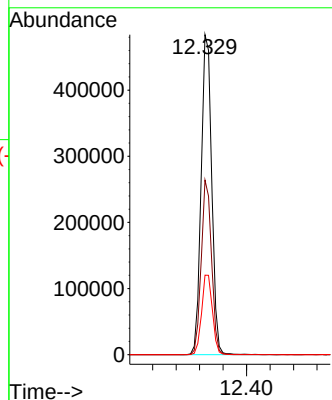
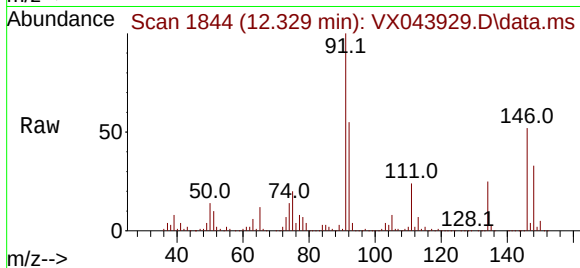
Tgt Ion: 91 Resp: 605284

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.8

134 25.4 12.4 37.2



#90

Hexachloroethane

Concen: 109.549 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043929.D

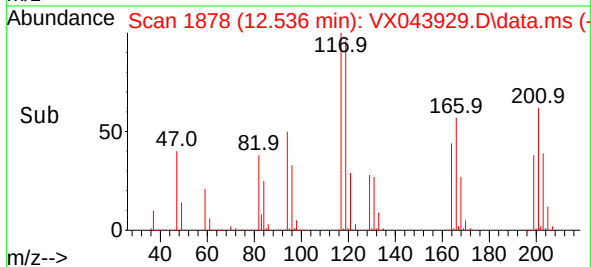
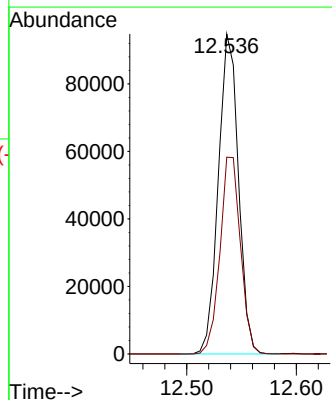
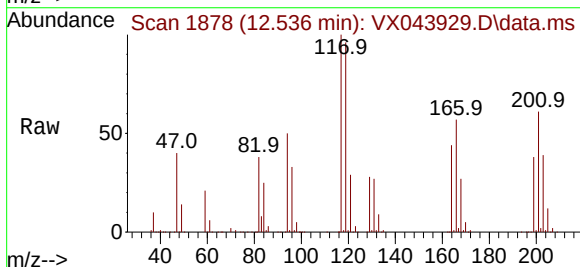
Acq: 21 Nov 2024 11:40

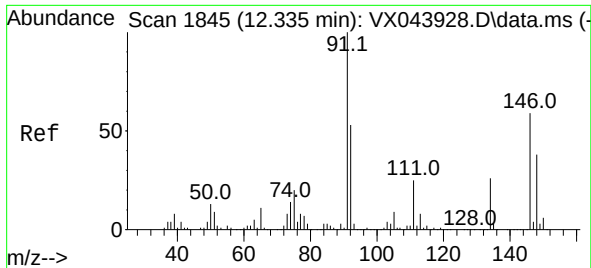
Tgt Ion: 117 Resp: 120913

Ion Ratio Lower Upper

117 100

201 62.9 32.4 97.0

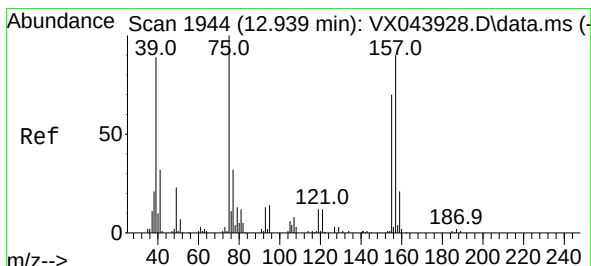
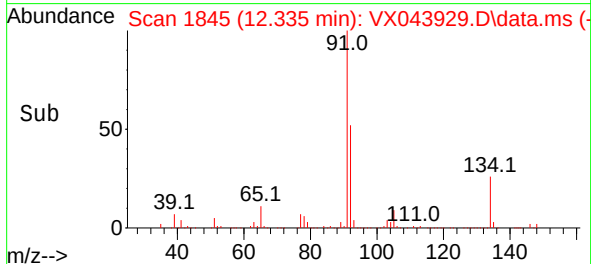
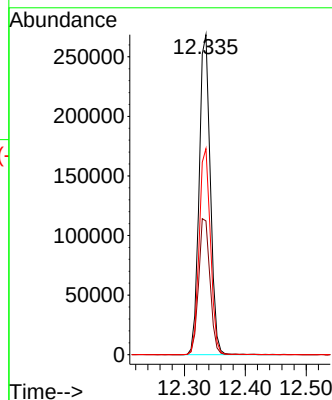
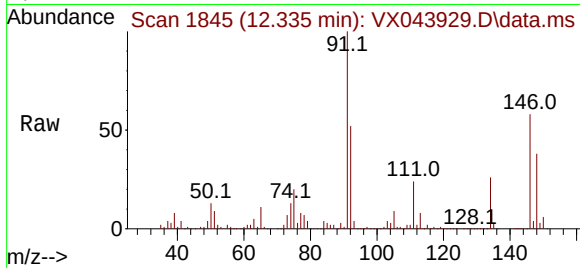




#91  
 1,2-Dichlorobenzene  
 Concen: 97.457 ug/l  
 RT: 12.335 min Scan# 1845  
 Delta R.T. -0.000 min  
 Lab File: VX043929.D  
 Acq: 21 Nov 2024 11:40

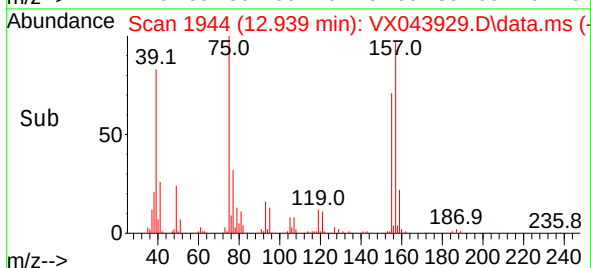
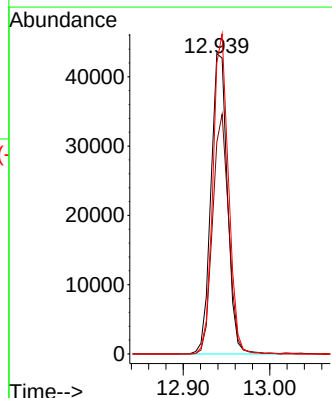
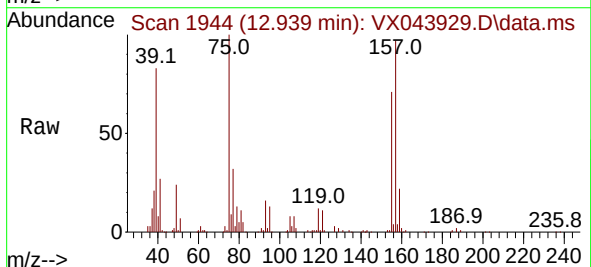
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC100

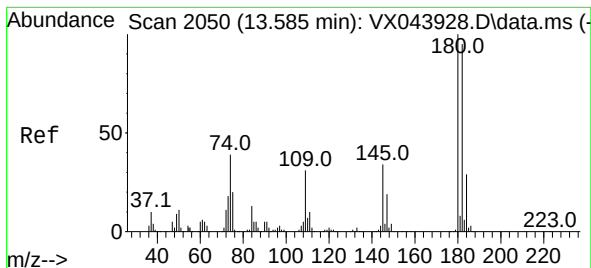
Tgt Ion:146 Resp: 341767  
 Ion Ratio Lower Upper  
 146 100  
 111 43.3 21.5 64.5  
 148 65.0 31.9 95.5



#92  
 1,2-Dibromo-3-Chloropropane  
 Concen: 104.396 ug/l  
 RT: 12.939 min Scan# 1944  
 Delta R.T. -0.000 min  
 Lab File: VX043929.D  
 Acq: 21 Nov 2024 11:40

Tgt Ion: 75 Resp: 57287  
 Ion Ratio Lower Upper  
 75 100  
 155 77.8 40.1 120.2  
 157 100.9 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 101.849 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC100

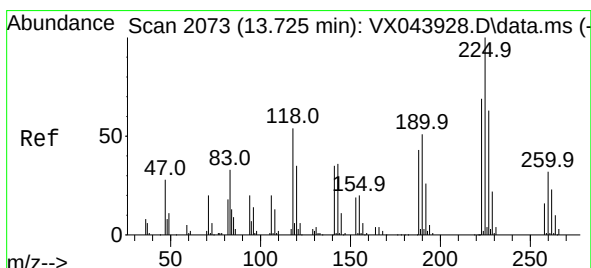
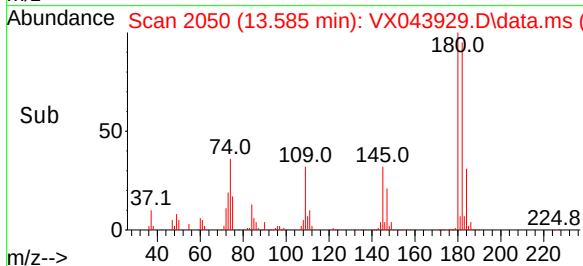
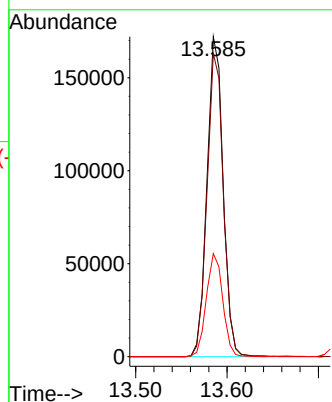
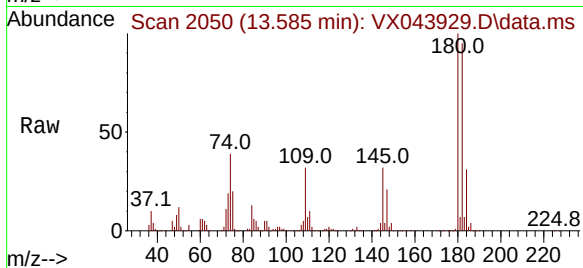
Tgt Ion:180 Resp: 210571

Ion Ratio Lower Upper

180 100

182 95.6 48.0 144.2

145 32.8 16.8 50.4



#94

Hexachlorobutadiene

Concen: 97.688 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

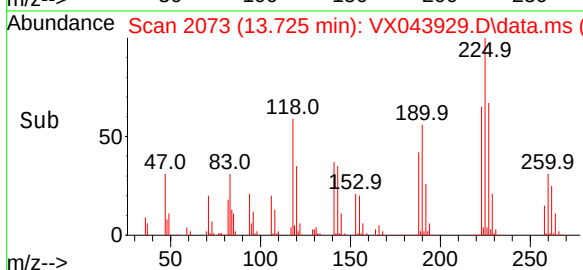
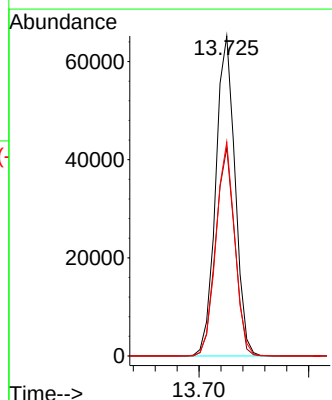
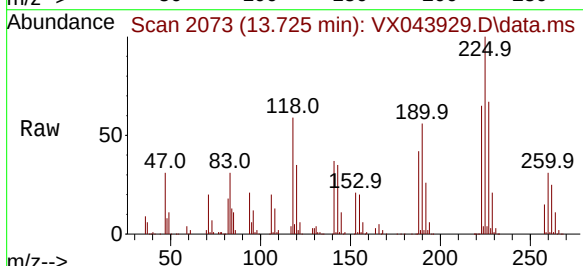
Tgt Ion:225 Resp: 79822

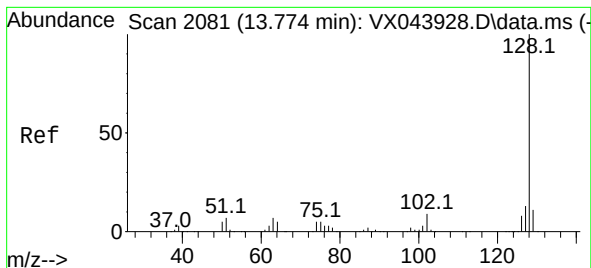
Ion Ratio Lower Upper

225 100

223 64.1 32.9 98.6

227 65.0 31.6 94.8





#95

Naphthalene

Concen: 104.367 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC100

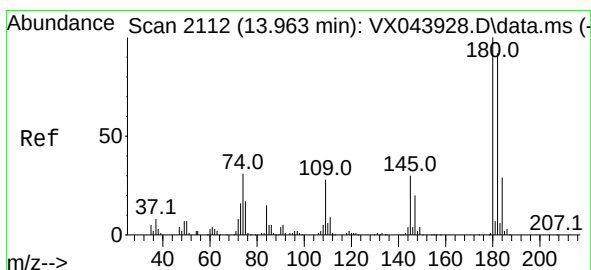
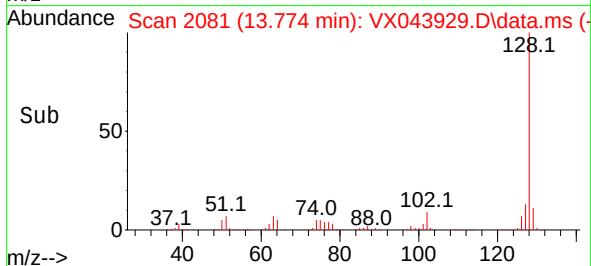
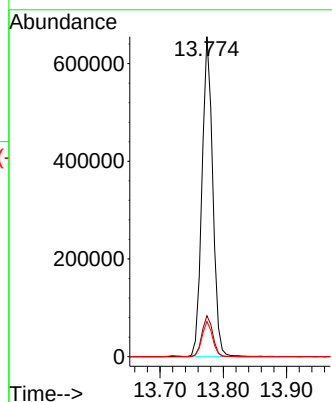
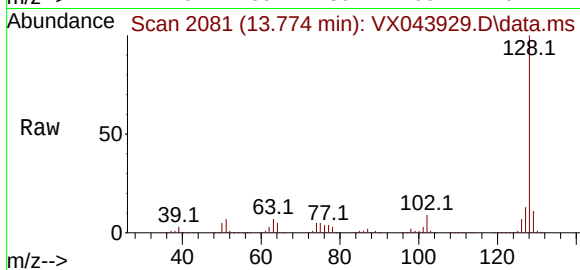
Tgt Ion:128 Resp: 776740

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 101.219 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043929.D

Acq: 21 Nov 2024 11:40

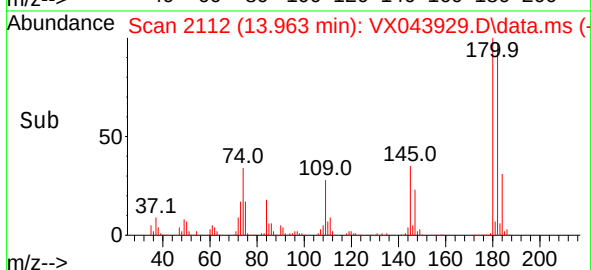
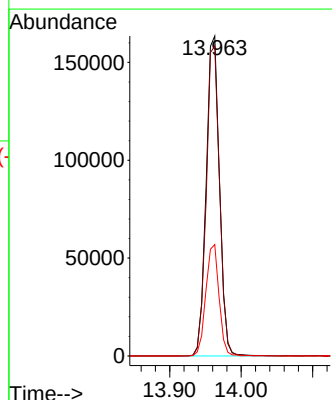
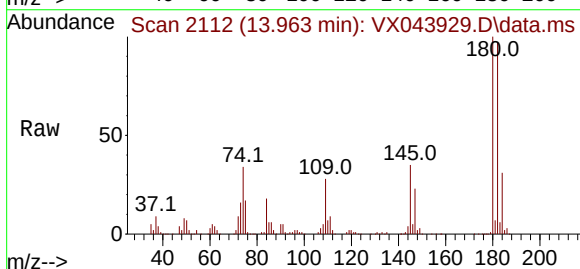
Tgt Ion:180 Resp: 211814

Ion Ratio Lower Upper

180 100

182 96.8 45.6 136.8

145 34.6 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043930.D  
 Acq On : 21 Nov 2024 12:03  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Nov 22 03:32:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 132286   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 237642   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 203280   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 96376    | 50.000 | ug/l  | # 0.00   |

|                             |        |       |          |          |             |      |
|-----------------------------|--------|-------|----------|----------|-------------|------|
| System Monitoring Compounds |        |       |          |          |             |      |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 349080   | 153.852  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 307.700%# |      |
| 35) Dibromofluoromethane    | 5.385  | 113   | 268135   | 157.906  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 315.820%# |      |
| 50) Toluene-d8              | 8.647  | 98    | 896413   | 153.143  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 306.280%# |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 324612   | 162.951  | ug/l        | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 325.900%# |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 241389  | 144.040 | ug/l   | 99  |
| 3) Chloromethane             | 1.294 | 50  | 268770  | 152.406 | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.374 | 62  | 271568  | 144.779 | ug/l   | 99  |
| 5) Bromomethane              | 1.593 | 94  | 175581  | 152.160 | ug/l   | 99  |
| 6) Chloroethane              | 1.660 | 64  | 140375  | 122.817 | ug/l   | 99  |
| 7) Trichlorofluoromethane    | 1.861 | 101 | 527057  | 157.163 | ug/l   | 100 |
| 8) Diethyl Ether             | 2.136 | 74  | 185146  | 151.473 | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 2.312 | 101 | 237653  | 148.564 | ug/l   | 99  |
| 10) Methyl Iodide            | 2.440 | 142 | 299792  | 150.056 | ug/l   | 99  |
| 11) Tert butyl alcohol       | 3.014 | 59  | 306168  | 840.696 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 228504  | 149.905 | ug/l   | 99  |
| 13) Acrolein                 | 2.239 | 56  | 294638  | 767.557 | ug/l   | 97  |
| 14) Allyl chloride           | 2.654 | 41  | 394228  | 158.278 | ug/l   | 98  |
| 15) Acrylonitrile            | 3.068 | 53  | 684169  | 770.903 | ug/l   | 99  |
| 16) Acetone                  | 2.392 | 43  | 734161  | 704.500 | ug/l   | 99  |
| 17) Carbon Disulfide         | 2.501 | 76  | 554853  | 176.465 | ug/l   | 99  |
| 18) Methyl Acetate           | 2.703 | 43  | 361338  | 148.895 | ug/l   | 99  |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 869848  | 157.161 | ug/l   | 100 |
| 20) Methylene Chloride       | 2.782 | 84  | 260099  | 147.078 | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 245485  | 155.985 | ug/l   | 98  |
| 22) Diisopropyl ether        | 3.763 | 45  | 835960  | 156.960 | ug/l   | 97  |
| 23) Vinyl Acetate            | 3.721 | 43  | 3797951 | 833.608 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 479590  | 156.091 | ug/l   | 99  |
| 25) 2-Butanone               | 4.568 | 43  | 1012692 | 753.134 | ug/l   | 100 |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 440061  | 158.591 | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 304342  | 156.447 | ug/l   | 100 |
| 28) Bromochloromethane       | 4.891 | 49  | 207753  | 153.614 | ug/l   | 97  |
| 29) Tetrahydrofuran          | 5.007 | 42  | 617277  | 748.806 | ug/l   | 99  |
| 30) Chloroform               | 5.092 | 83  | 513285  | 155.325 | ug/l   | 96  |
| 31) Cyclohexane              | 5.458 | 56  | 367157  | 145.191 | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 455922  | 159.987 | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 331239  | 156.540 | ug/l   | 97  |
| 37) Ethyl Acetate            | 4.721 | 43  | 393670  | 149.876 | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 376287  | 158.262 | ug/l   | 99  |
| 39) Methylcyclohexane        | 7.372 | 83  | 410333  | 149.269 | ug/l   | 97  |
| 40) Benzene                  | 6.031 | 78  | 999210  | 151.598 | ug/l   | 100 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043930.D  
 Acq On : 21 Nov 2024 12:03  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Quant Time: Nov 22 03:32:33 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:25:42 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 206026   | 153.252  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 397508   | 150.163  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 661839   | 158.329  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 251071   | 134.559  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 249394   | 154.486  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 202329   | 158.440  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 388259   | 169.524  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.690  | 41   | 315872   | 157.479  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 106634   | 3083.461 | ug/l   | 91       |
| 51) 4-Methyl-2-Pentanone      | 8.580  | 43   | 1954925  | 766.353  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 607179   | 153.910  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 406346   | 173.984  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 428549   | 167.379  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 245706   | 150.879  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 420409   | 165.742  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 416811   | 151.939  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.244  | 63   | 1023576  | 753.191  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 1493755  | 779.070  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 286188   | 175.154  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 261369   | 158.727  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.268  | 164  | 202262   | 150.897  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 675513   | 151.304  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 241604   | 166.861  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.195 | 91   | 1181693  | 156.200  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 884067   | 313.360  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 436919   | 158.616  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 742061   | 162.878  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 186691   | 150.272  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.963 | 105  | 1135309  | 153.248  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 586560   | 170.913  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 379947   | 149.781  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 436650   | 210.095  | ug/l   | 83       |
| 77) Bromobenzene              | 11.195 | 156  | 270671   | 153.159  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 1296979  | 156.752  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 788163   | 150.642  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 936129   | 153.592  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 136104   | 175.724  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 919566   | 155.679  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 945058   | 156.438  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 933275   | 153.802  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1148877  | 155.218  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 972007   | 161.670  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 490336   | 152.338  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 494318   | 151.224  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 903805   | 170.502  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 180575   | 176.628  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 503214   | 154.918  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 87963    | 173.059  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 325289   | 169.860  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 121126   | 160.037  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 1173154  | 170.179  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 326693   | 168.544  | ug/l   | 95       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043930.D  
Acq On : 21 Nov 2024 12:03  
Operator : JC/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 17 Sample Multiplier: 1

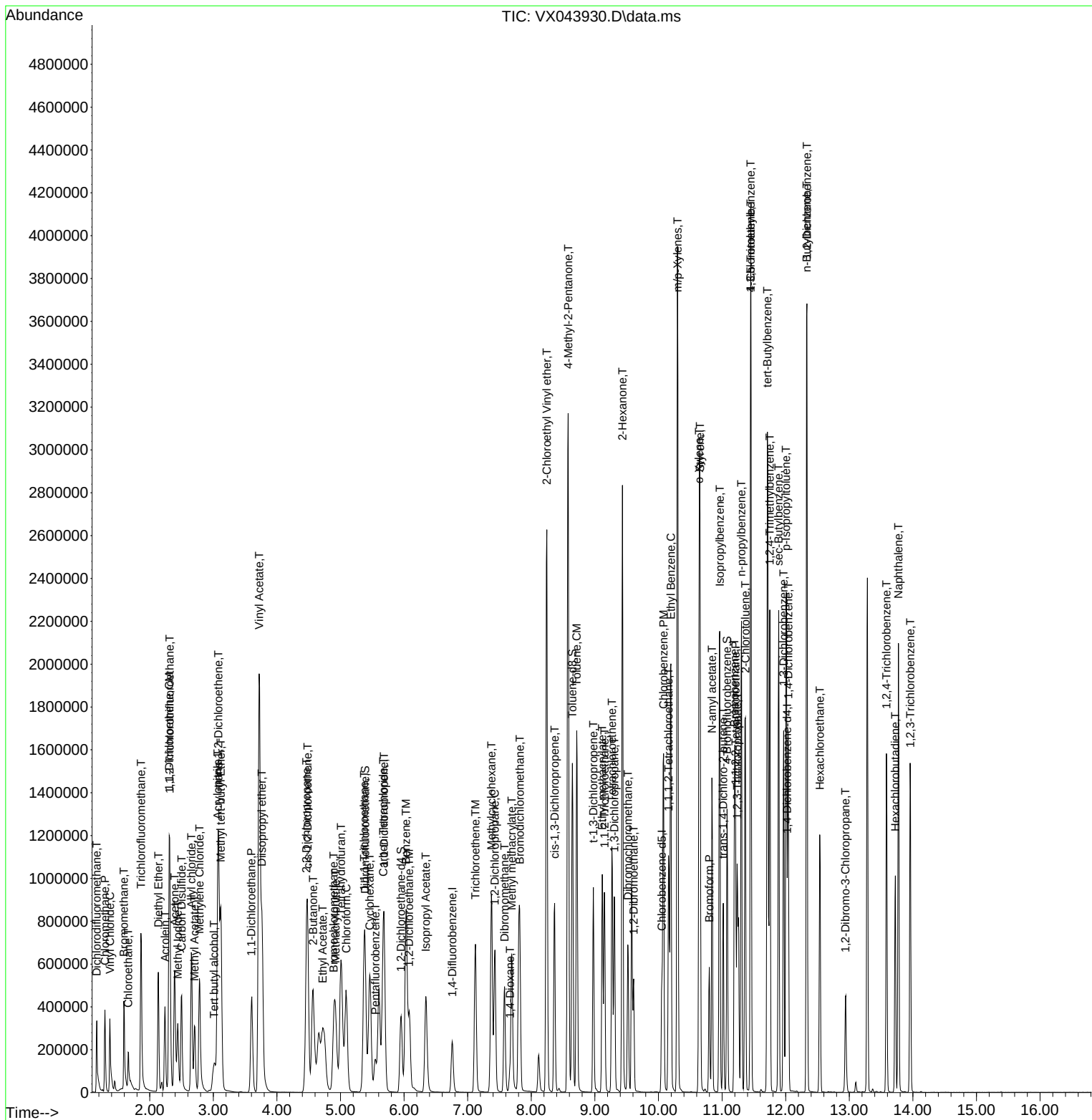
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

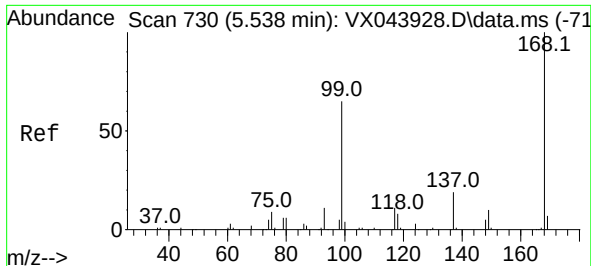
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Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:25:42 2024  
Response via : Initial Calibration

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

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

Quant Time: Nov 22 03:32:33 2024  
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Response via : Initial Calibration

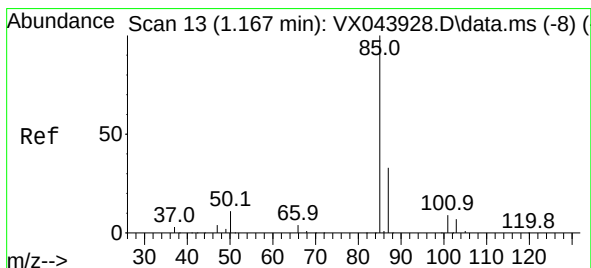
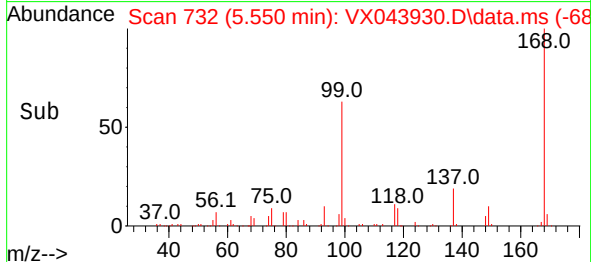
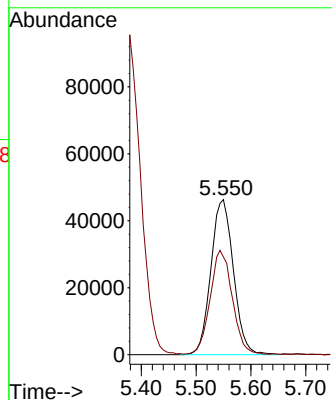
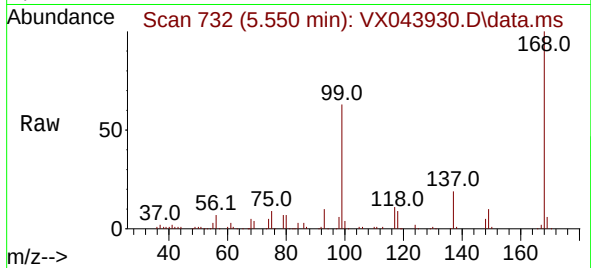




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 74  
Delta R.T. 0.012 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

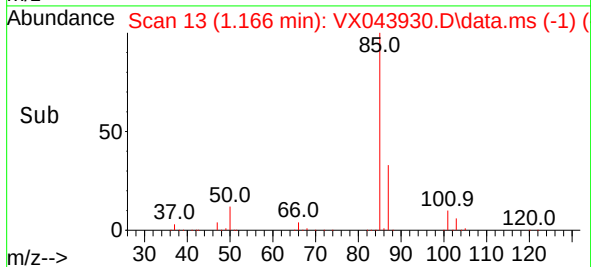
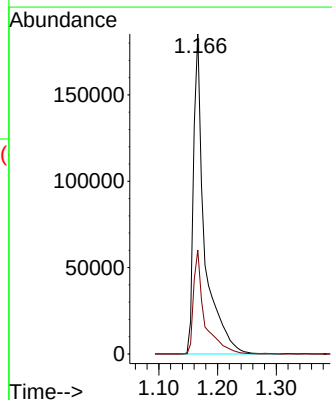
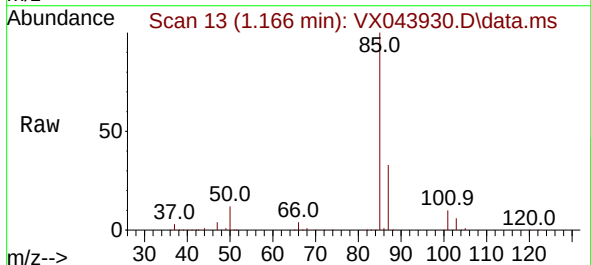
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

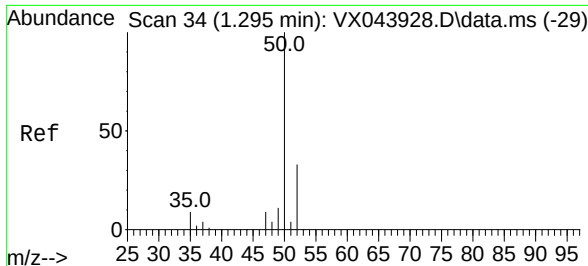
Tgt Ion:168 Resp: 132286  
Ion Ratio Lower Upper  
168 100  
99 62.9 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 144.040 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 85 Resp: 241389  
Ion Ratio Lower Upper  
85 100  
87 32.5 16.6 49.8

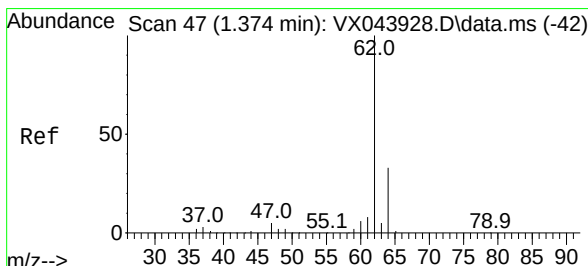
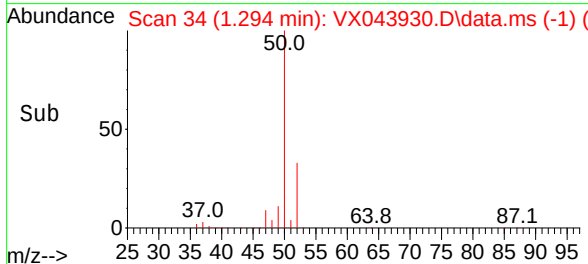
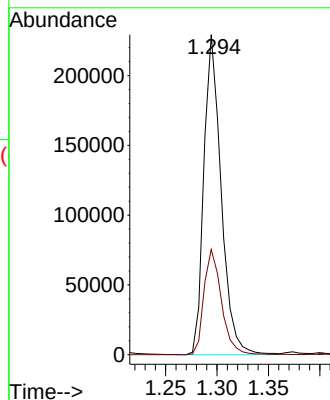
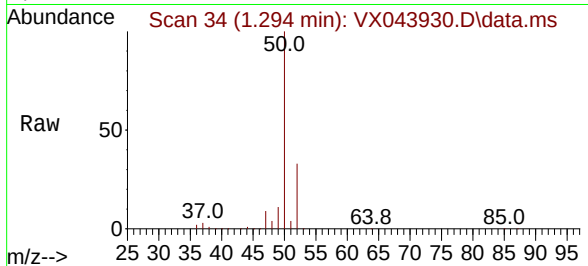




#3  
Chloromethane  
Concen: 152.406 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

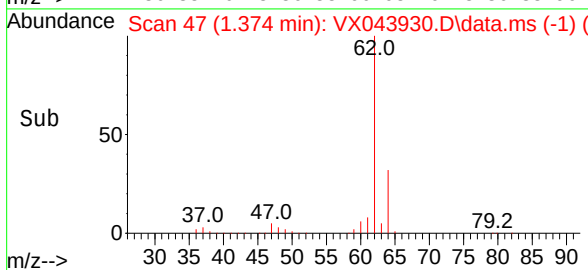
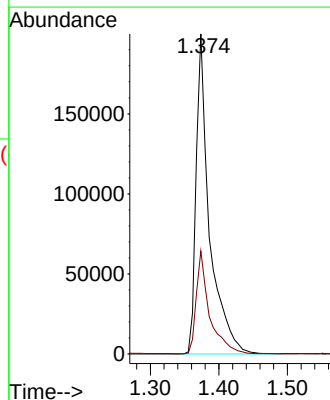
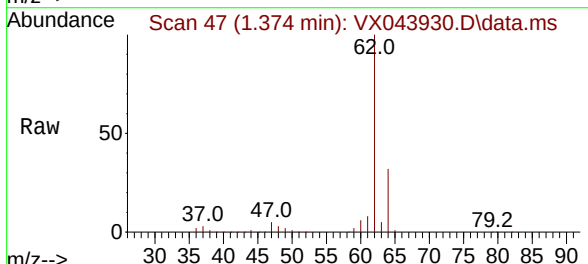
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

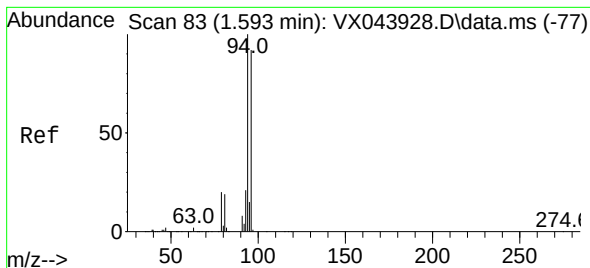
Tgt Ion: 50 Resp: 268770  
Ion Ratio Lower Upper  
50 100  
52 32.9 26.1 39.1



#4  
Vinyl Chloride  
Concen: 144.779 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 271568  
Ion Ratio Lower Upper  
62 100  
64 32.1 26.2 39.4





#5

Bromomethane

Concen: 152.160 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

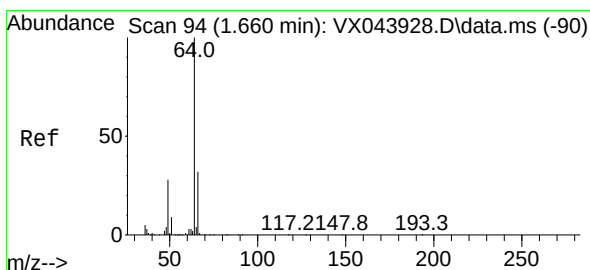
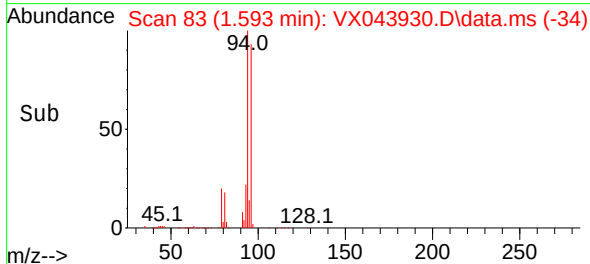
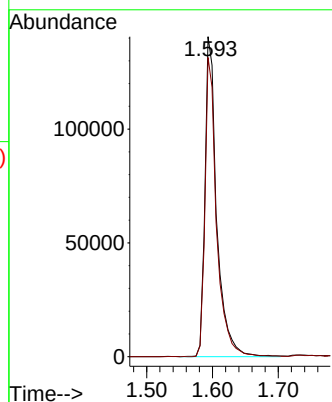
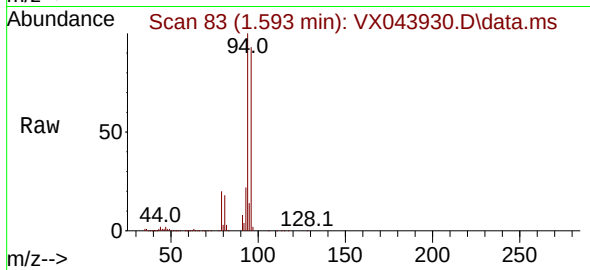
VSTDICC150

Tgt Ion: 94 Resp: 175581

Ion Ratio Lower Upper

94 100

96 93.5 73.9 110.9



#6

Chloroethane

Concen: 122.817 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX043930.D

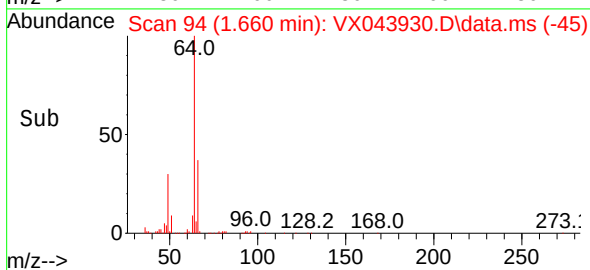
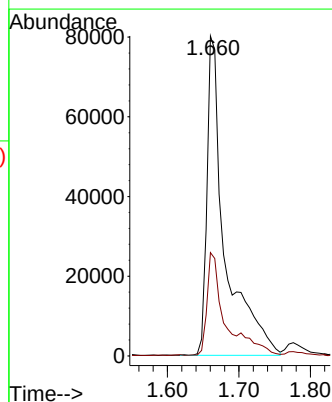
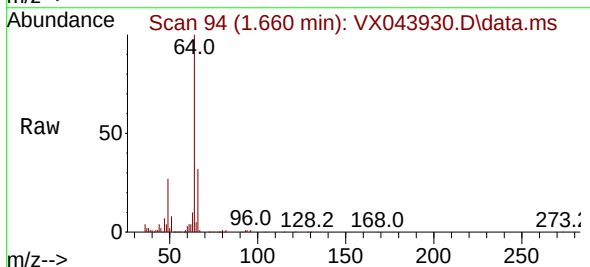
Acq: 21 Nov 2024 12:03

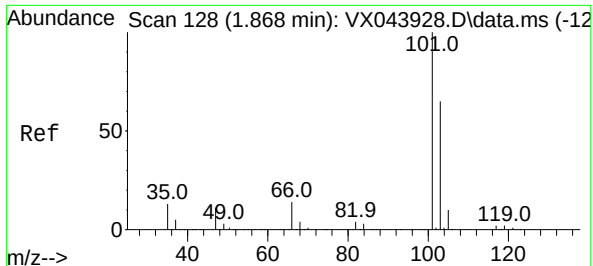
Tgt Ion: 64 Resp: 140375

Ion Ratio Lower Upper

64 100

66 32.0 25.9 38.9

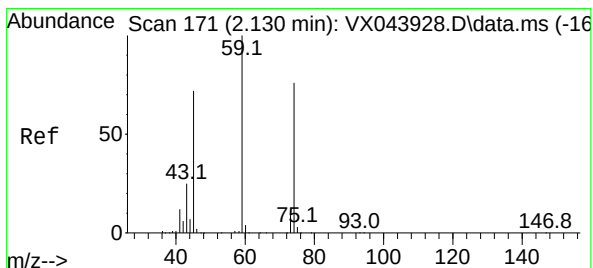
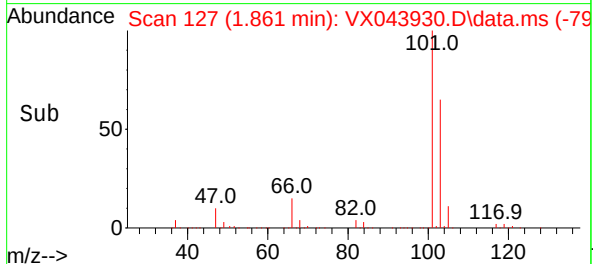
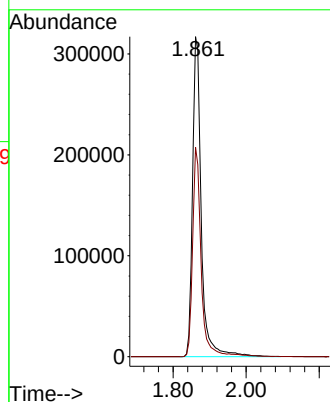
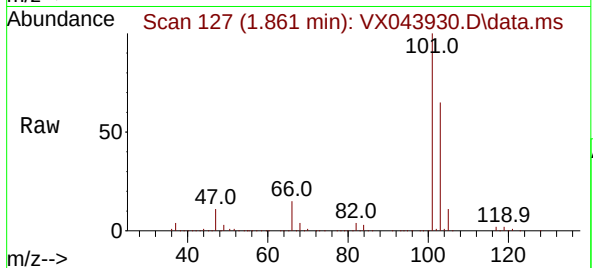




#7  
Trichlorofluoromethane  
Concen: 157.163 ug/l  
RT: 1.861 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

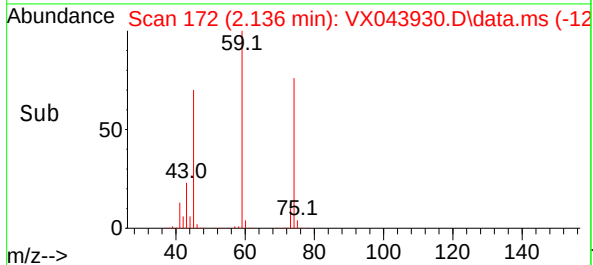
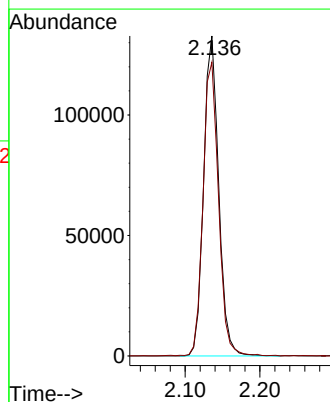
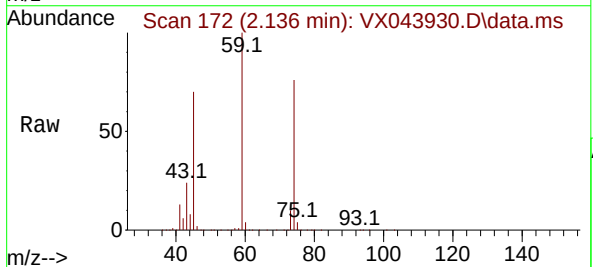
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

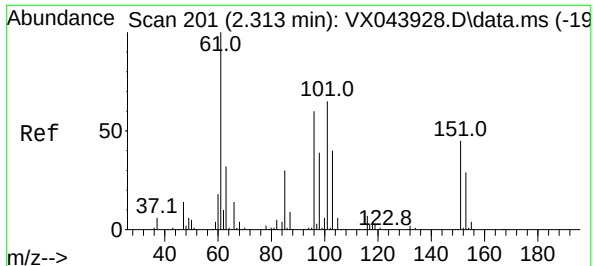
Tgt Ion:101 Resp: 527057  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.2 78.2



#8  
Diethyl Ether  
Concen: 151.473 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 74 Resp: 185146  
Ion Ratio Lower Upper  
74 100  
45 94.1 47.9 143.6

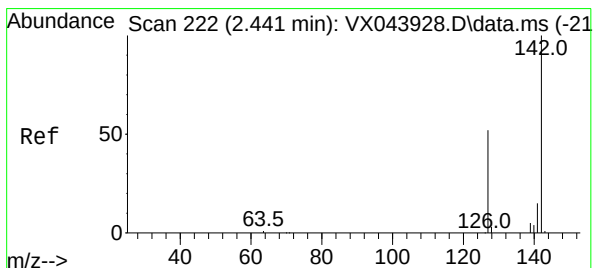
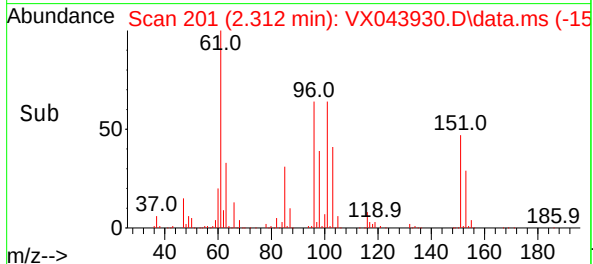
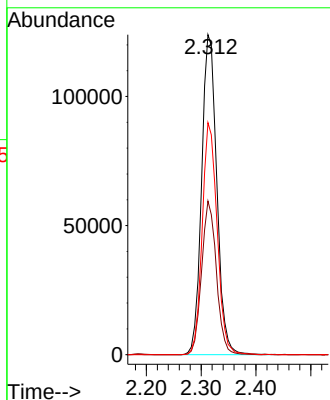
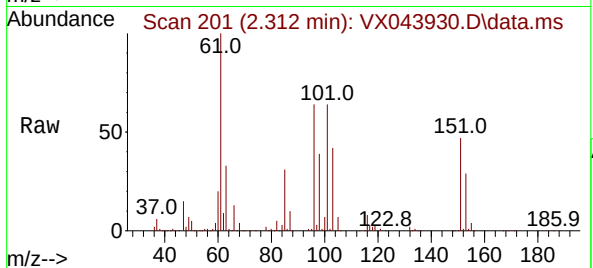




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 148.564 ug/l  
RT: 2.312 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

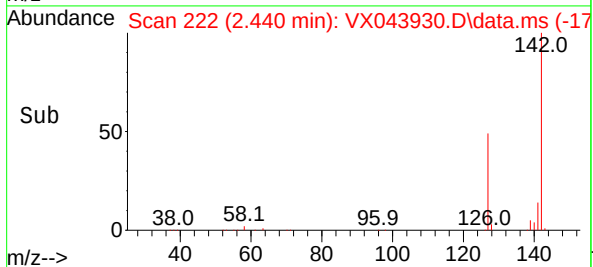
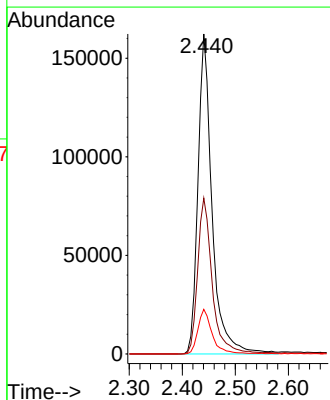
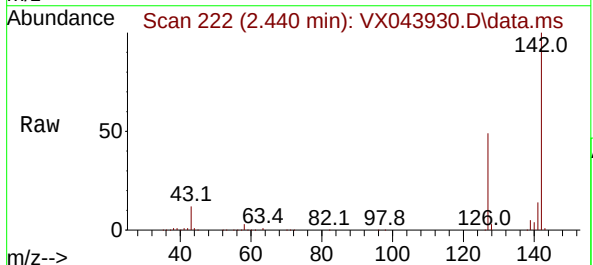
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion:101 Resp: 237653  
Ion Ratio Lower Upper  
101 100  
85 46.8 37.9 56.9  
151 71.3 57.5 86.3

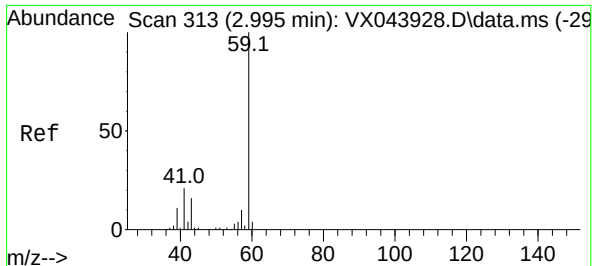


#10  
Methyl Iodide  
Concen: 150.056 ug/l  
RT: 2.440 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion:142 Resp: 299792  
Ion Ratio Lower Upper  
142 100  
127 50.1 40.7 61.1  
141 14.2 12.0 18.0







#11

Tert butyl alcohol

Concen: 840.696 ug/l

RT: 3.014 min Scan# 313

Delta R.T. 0.018 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

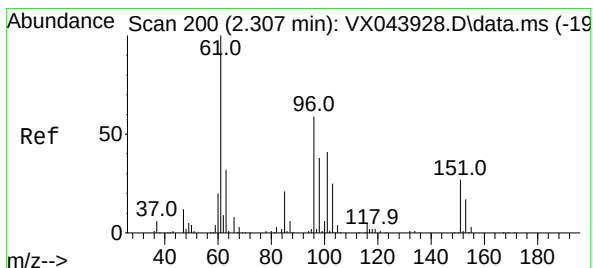
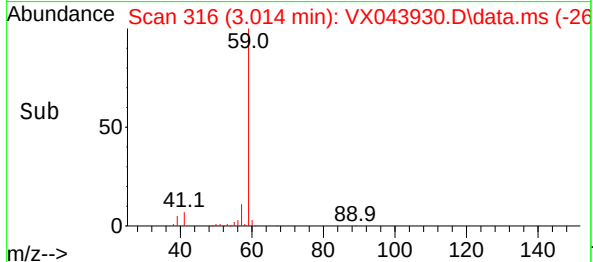
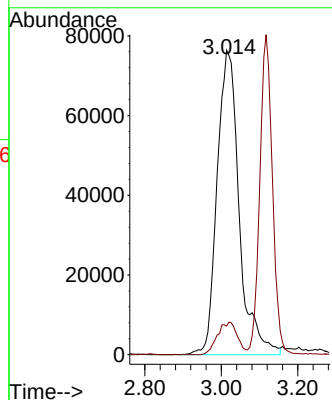
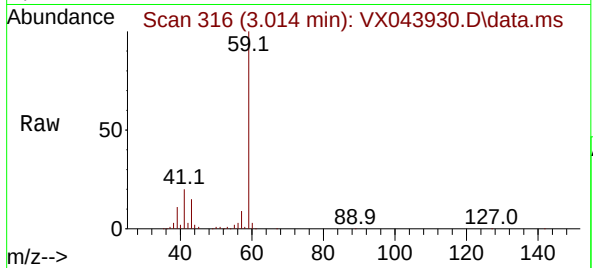
VSTDICC150

Tgt Ion: 59 Resp: 306168

Ion Ratio Lower Upper

59 100

57 9.8 7.9 11.9



#12

1,1-Dichloroethene

Concen: 149.905 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

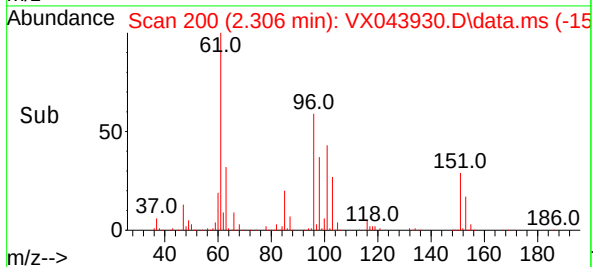
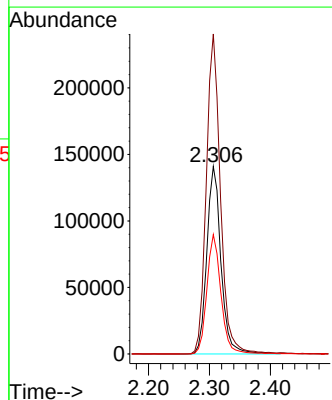
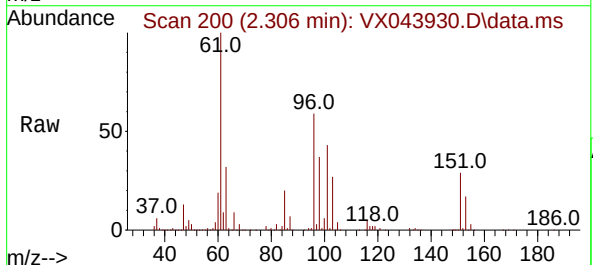
Tgt Ion: 96 Resp: 228504

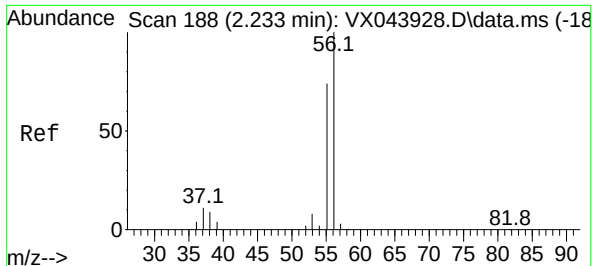
Ion Ratio Lower Upper

96 100

61 170.7 135.5 203.3

98 63.7 50.8 76.2

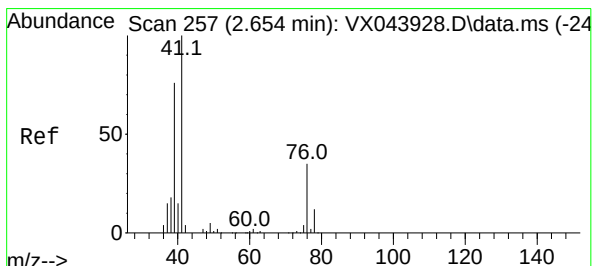
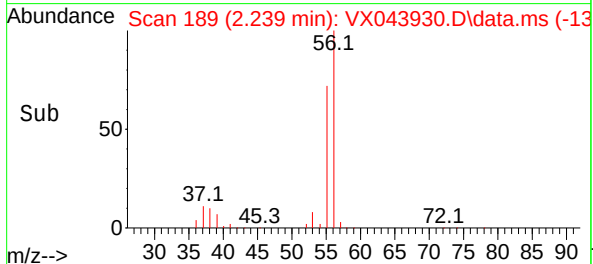
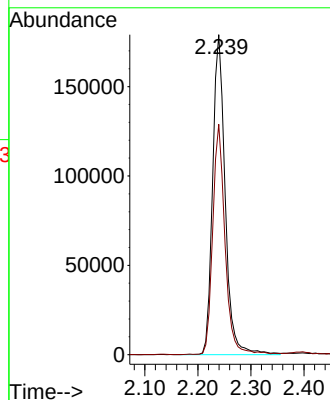
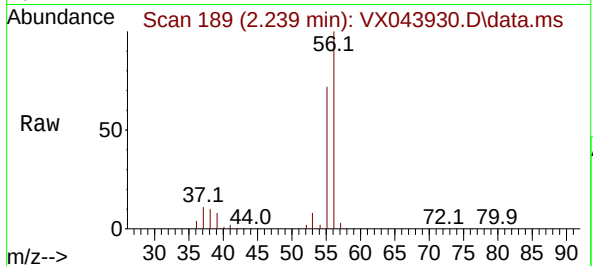




#13  
Acrolein  
Concen: 767.557 ug/l  
RT: 2.239 min Scan# 188  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

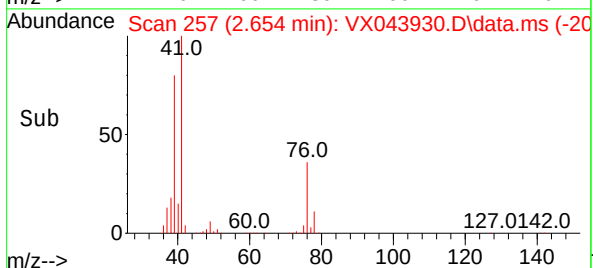
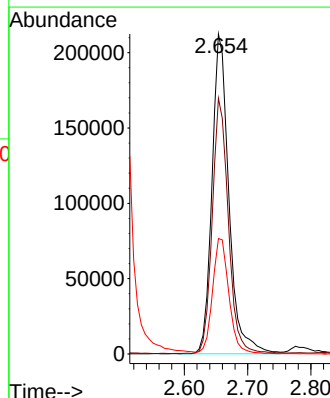
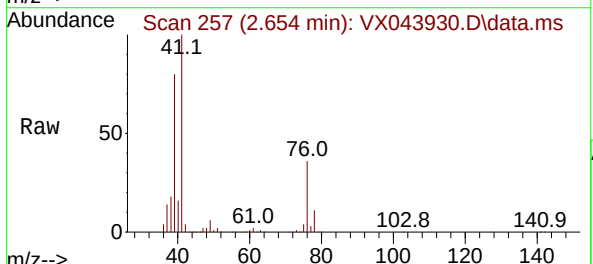
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

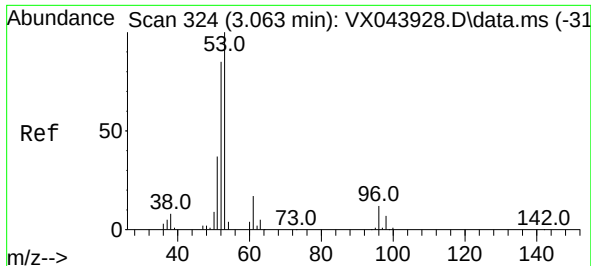
Tgt Ion: 56 Resp: 294638  
Ion Ratio Lower Upper  
56 100  
55 70.1 58.2 87.2



#14  
Allyl chloride  
Concen: 158.278 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 394228  
Ion Ratio Lower Upper  
41 100  
39 76.1 59.5 89.3  
76 35.2 27.4 41.2





#15

Acrylonitrile

Concen: 770.903 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

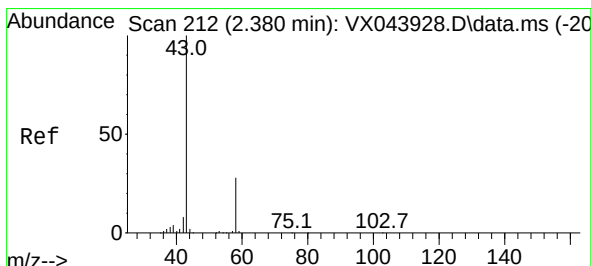
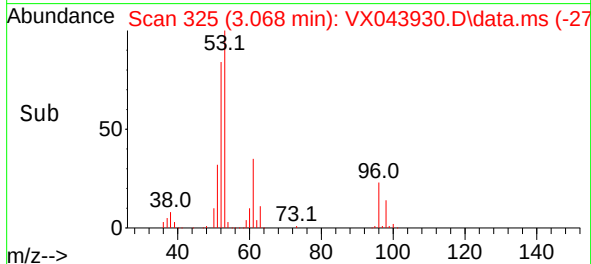
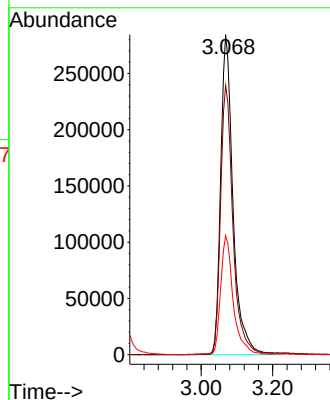
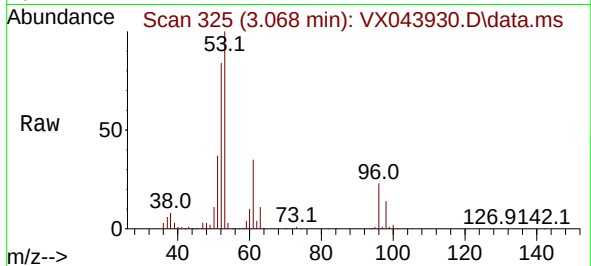
Tgt Ion: 53 Resp: 684169

Ion Ratio Lower Upper

53 100

52 83.9 66.5 99.7

51 37.1 30.2 45.4



#16

Acetone

Concen: 704.500 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.012 min

Lab File: VX043930.D

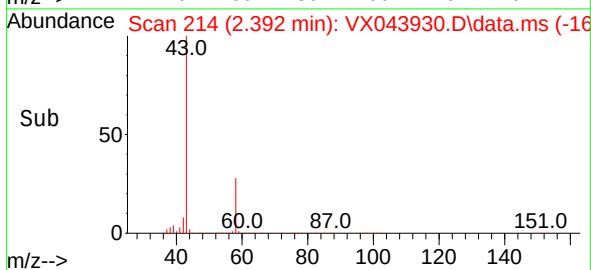
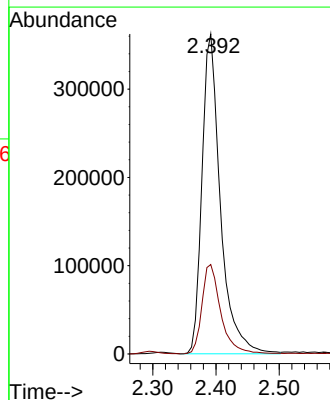
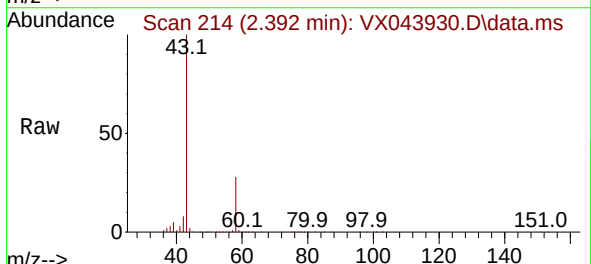
Acq: 21 Nov 2024 12:03

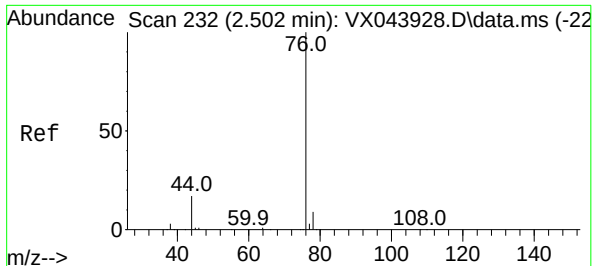
Tgt Ion: 43 Resp: 734161

Ion Ratio Lower Upper

43 100

58 27.9 22.7 34.1

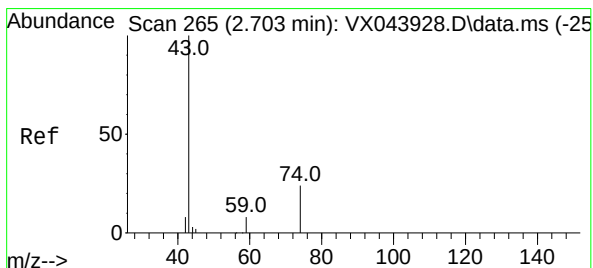
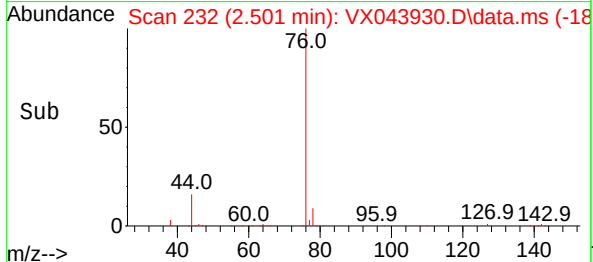
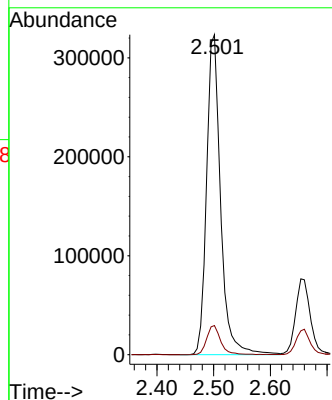
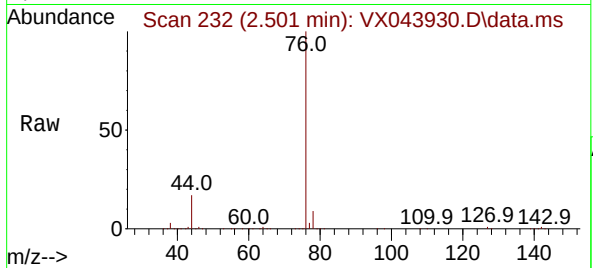




#17  
Carbon Disulfide  
Concen: 176.465 ug/l  
RT: 2.501 min Scan# 241  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

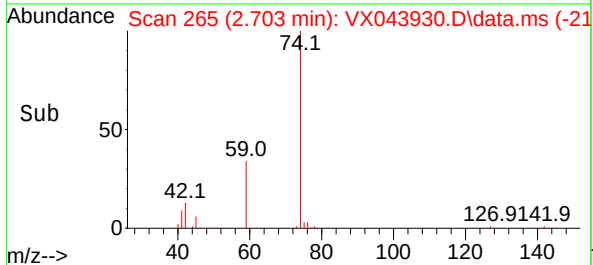
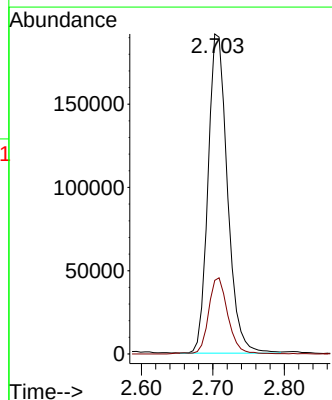
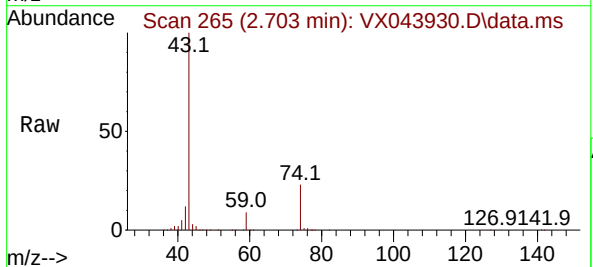
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

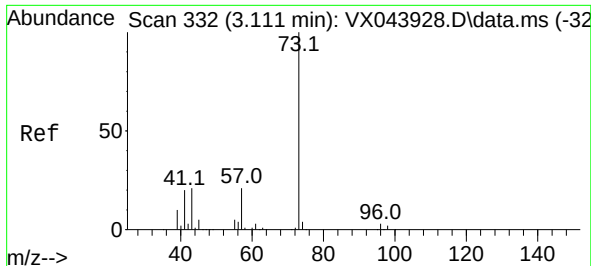
Tgt Ion: 76 Resp: 554853  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.6



#18  
Methyl Acetate  
Concen: 148.895 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 361338  
Ion Ratio Lower Upper  
43 100  
74 24.0 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 157.161 ug/l

RT: 3.117 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

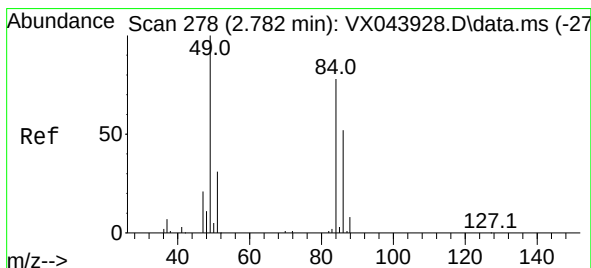
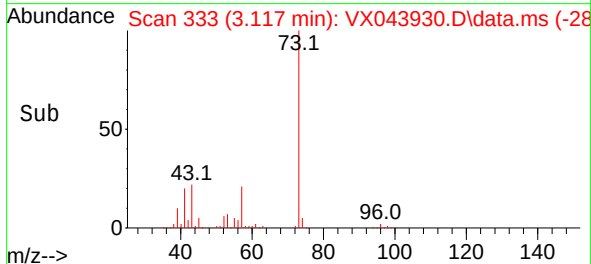
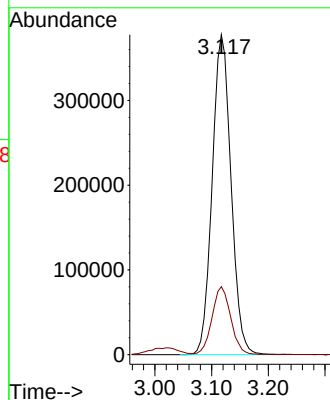
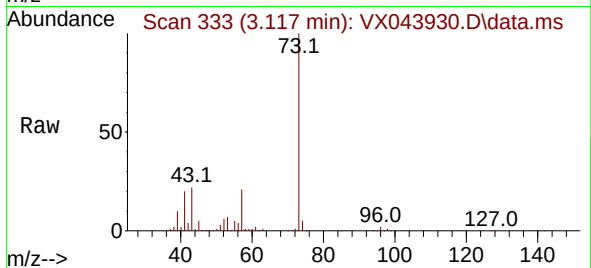
VSTDIC150

Tgt Ion: 73 Resp: 869848

Ion Ratio Lower Upper

73 100

57 21.2 17.0 25.6



#20

Methylene Chloride

Concen: 147.078 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 84 Resp: 260099

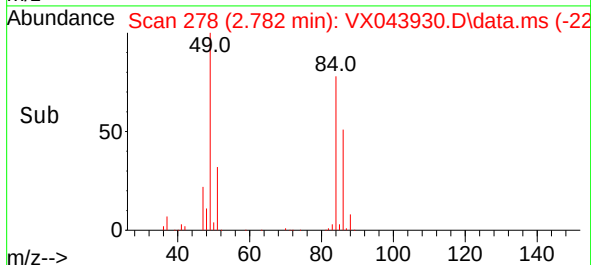
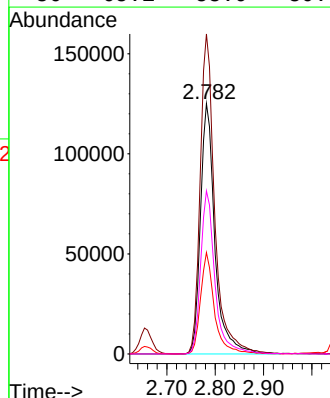
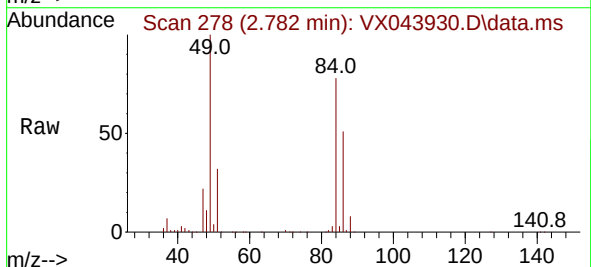
Ion Ratio Lower Upper

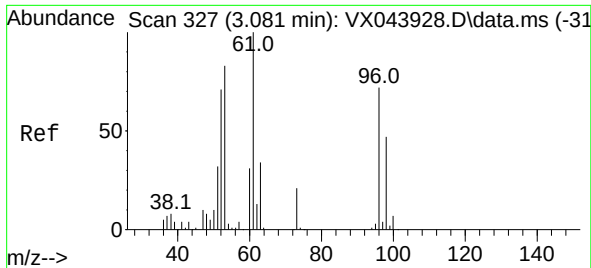
84 100

49 127.7 102.7 154.1

51 40.5 31.7 47.5

86 65.1 53.9 80.9

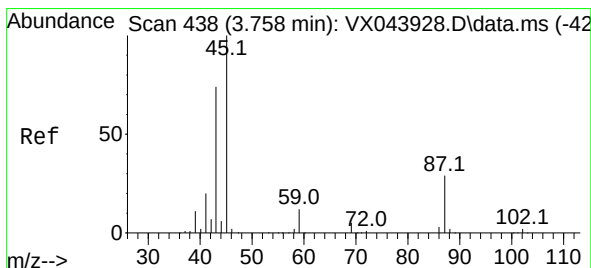
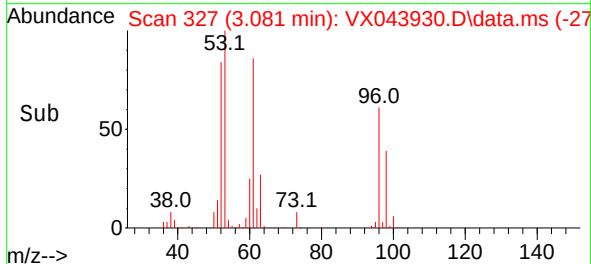
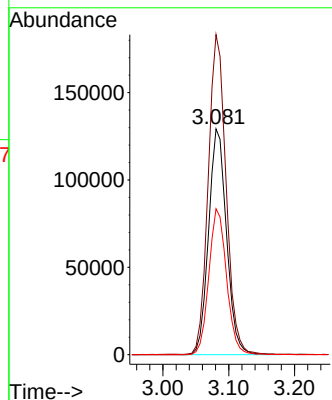
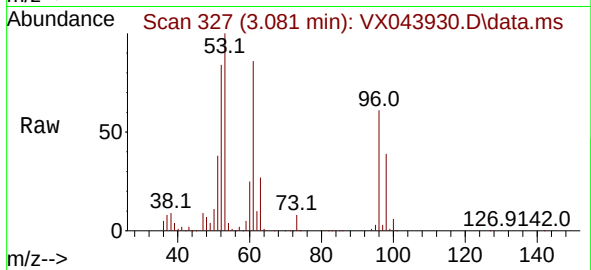




#21  
trans-1,2-Dichloroethene  
Concen: 155.985 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

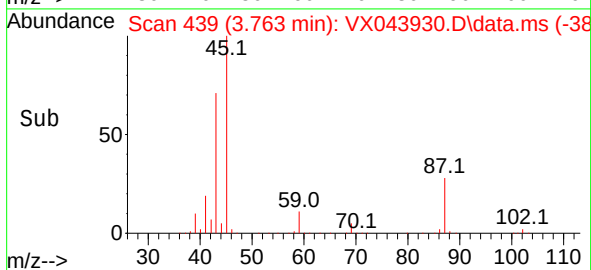
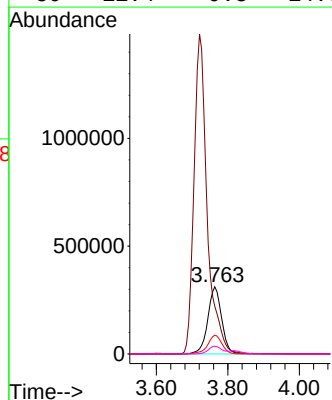
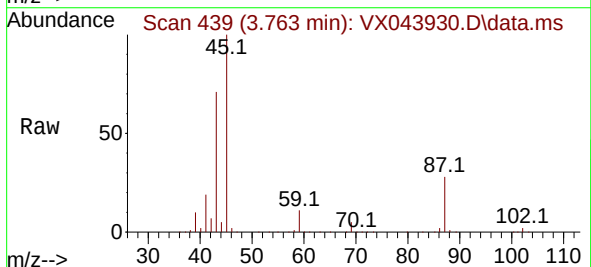
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

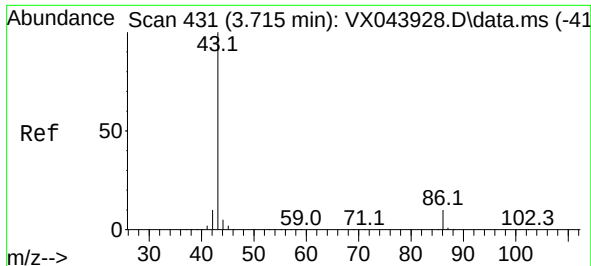
Tgt Ion: 96 Resp: 245485  
Ion Ratio Lower Upper  
96 100  
61 141.6 111.8 167.6  
98 64.6 52.7 79.1



#22  
Diisopropyl ether  
Concen: 156.960 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 45 Resp: 835960  
Ion Ratio Lower Upper  
45 100  
43 70.8 59.6 89.4  
87 27.8 22.9 34.3  
59 11.4 9.8 14.6

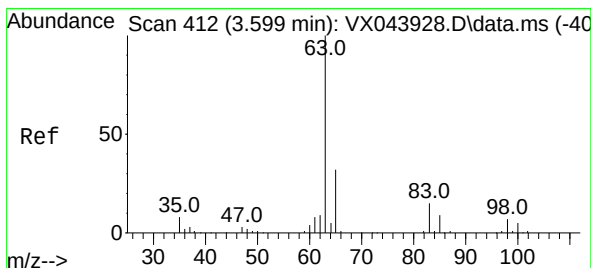
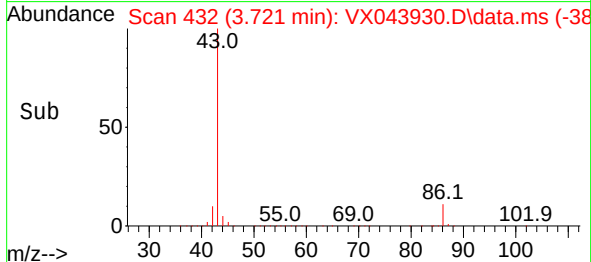
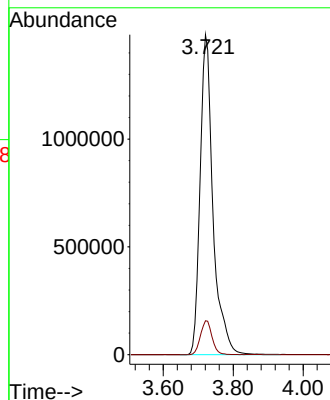
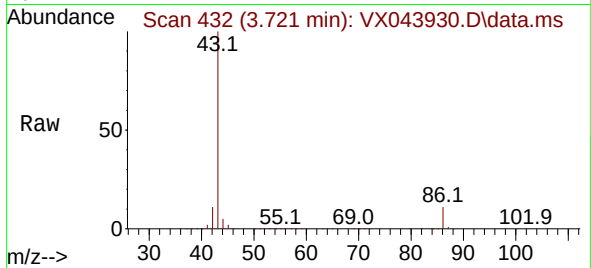




#23  
 Vinyl Acetate  
 Concen: 833.608 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX043930.D  
 Acq: 21 Nov 2024 12:03

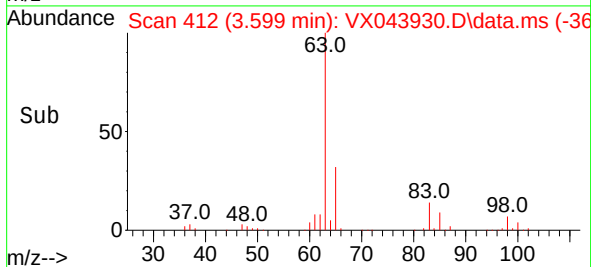
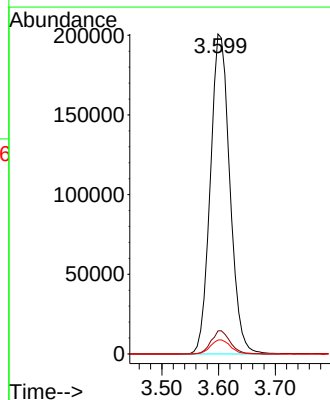
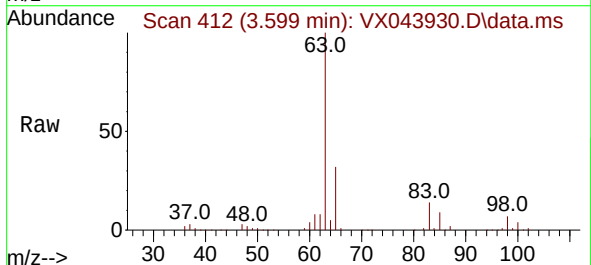
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

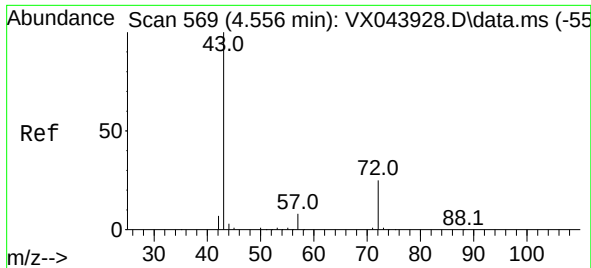
Tgt Ion: 43 Resp: 3797951  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 156.091 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: VX043930.D  
 Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 479590  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.6  
 100 4.3 2.4 7.1

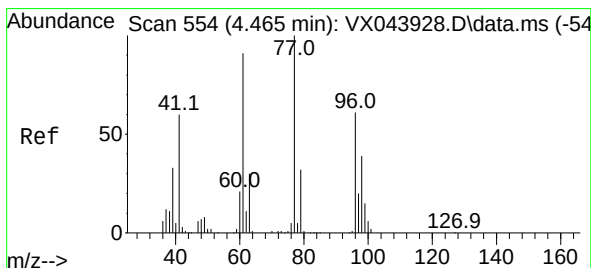
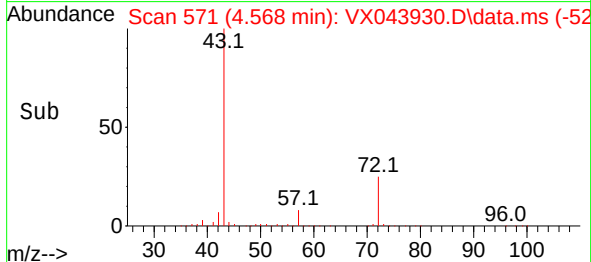
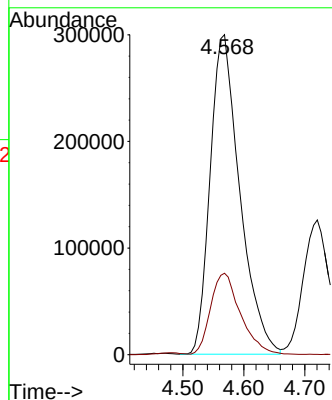
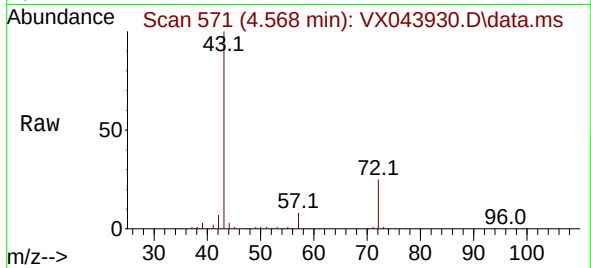




#25  
2-Butanone  
Concen: 753.134 ug/l  
RT: 4.568 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

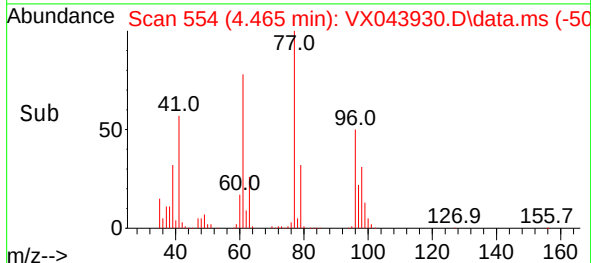
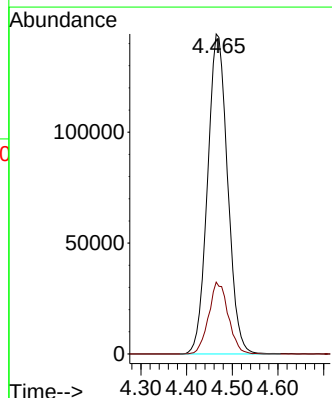
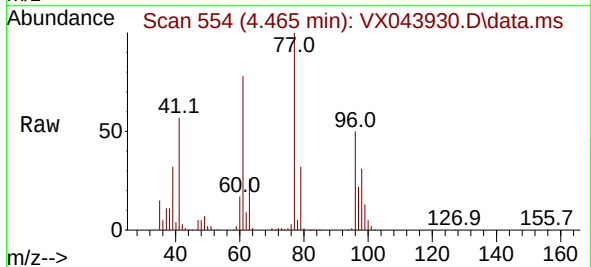
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 43 Resp: 1012692  
Ion Ratio Lower Upper  
43 100  
72 25.2 20.2 30.2

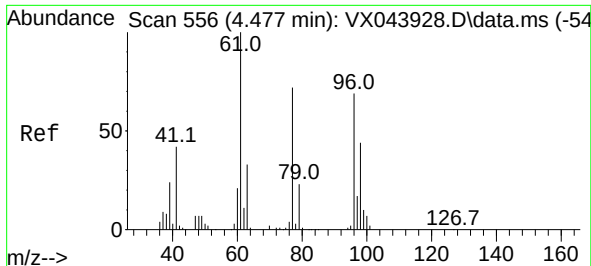


#26  
2,2-Dichloropropane  
Concen: 158.591 ug/l  
RT: 4.465 min Scan# 554  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 77 Resp: 440061  
Ion Ratio Lower Upper  
77 100  
97 22.0 10.8 32.3



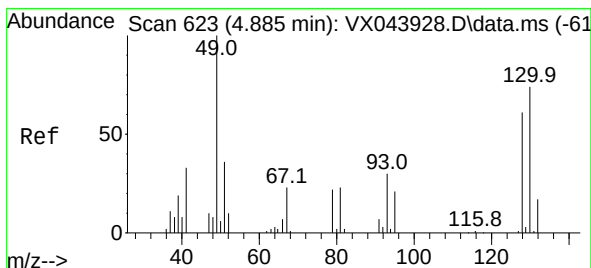
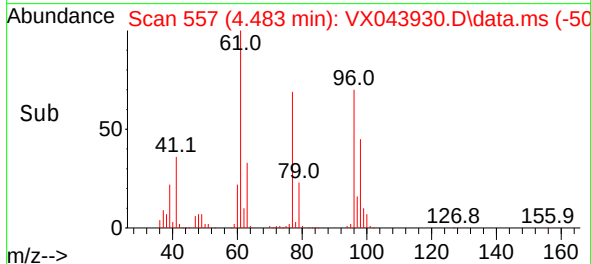
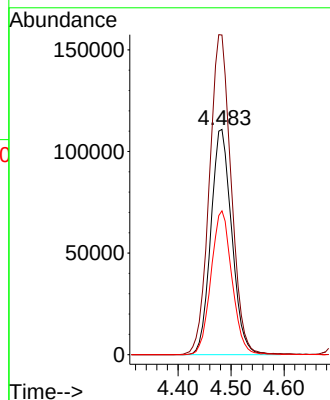
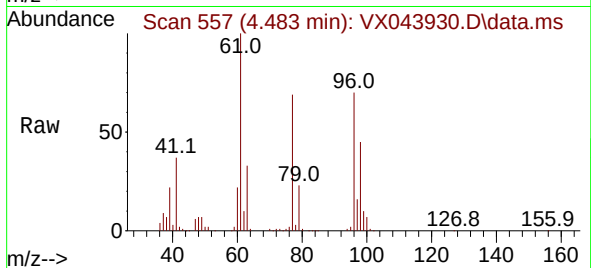




#27  
 cis-1,2-Dichloroethene  
 Concen: 156.447 ug/l  
 RT: 4.483 min Scan# 556  
 Delta R.T. 0.006 min  
 Lab File: VX043930.D  
 Acq: 21 Nov 2024 12:03

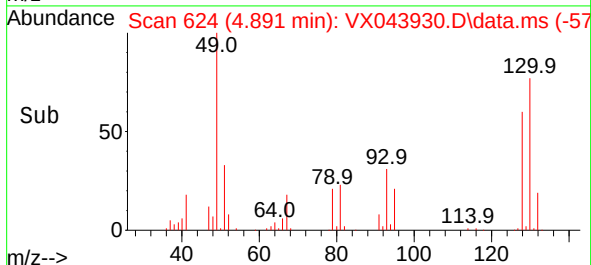
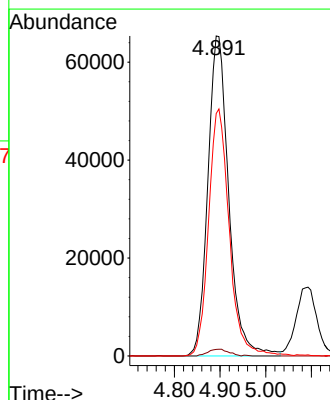
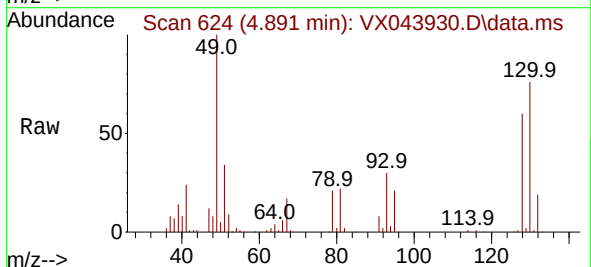
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC150

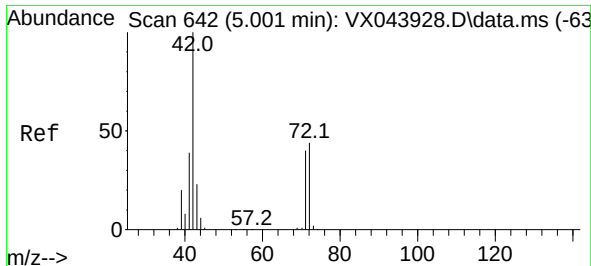
Tgt Ion: 96 Resp: 304342  
 Ion Ratio Lower Upper  
 96 100  
 61 148.2 0.0 297.4  
 98 63.8 0.0 127.8



#28  
 Bromochloromethane  
 Concen: 153.614 ug/l  
 RT: 4.891 min Scan# 624  
 Delta R.T. 0.006 min  
 Lab File: VX043930.D  
 Acq: 21 Nov 2024 12:03

Tgt Ion: 49 Resp: 207753  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.0  
 130 76.4 59.0 88.6





#29

Tetrahydrofuran

Concen: 748.806 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

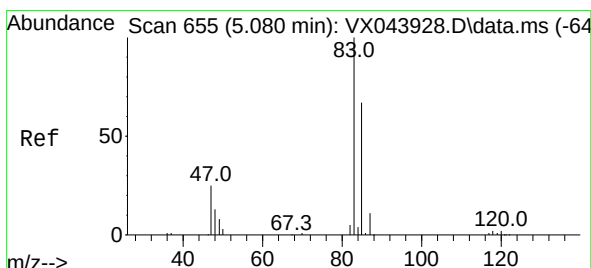
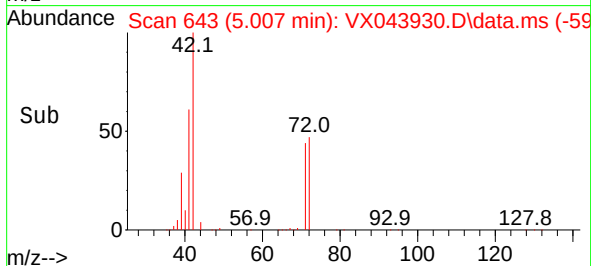
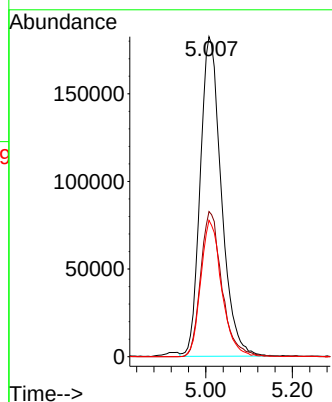
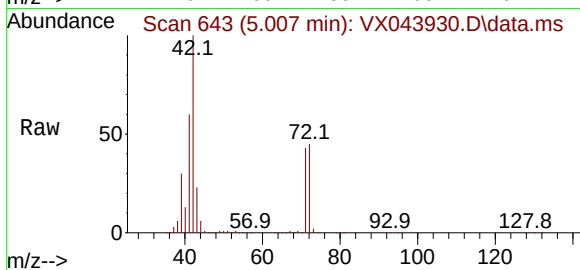
Tgt Ion: 42 Resp: 617277

Ion Ratio Lower Upper

42 100

72 45.8 36.4 54.6

71 42.3 33.4 50.0



#30

Chloroform

Concen: 155.325 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX043930.D

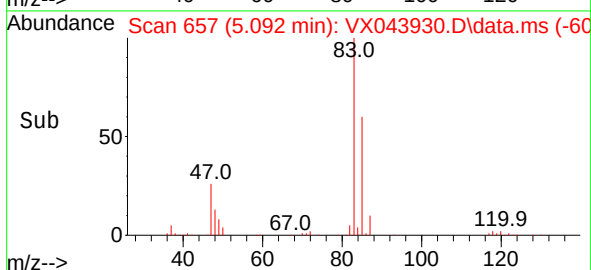
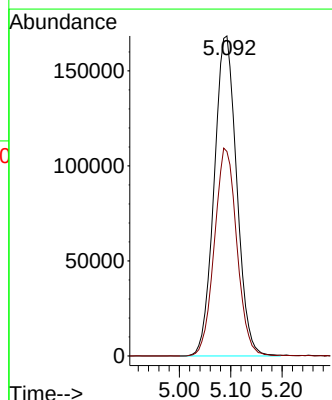
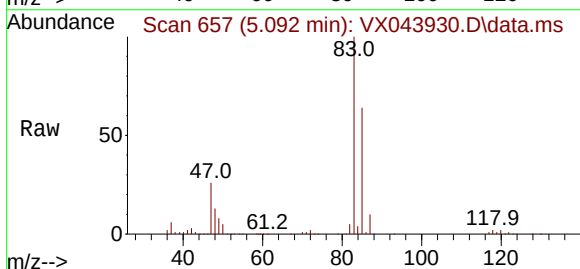
Acq: 21 Nov 2024 12:03

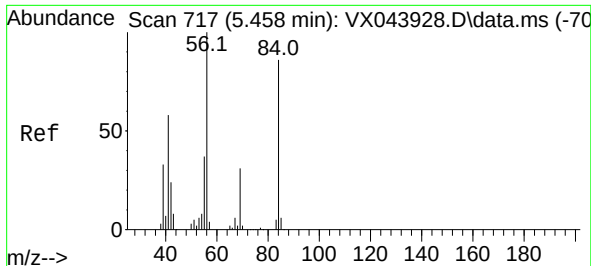
Tgt Ion: 83 Resp: 513285

Ion Ratio Lower Upper

83 100

85 63.9 53.5 80.3

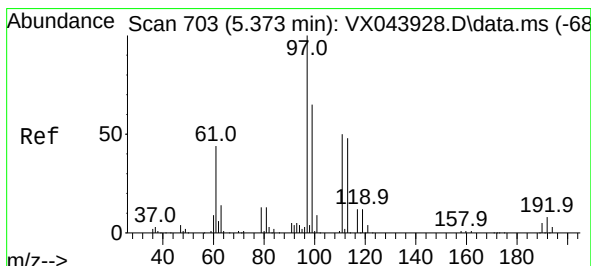
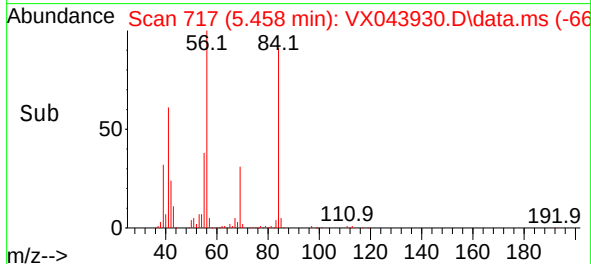
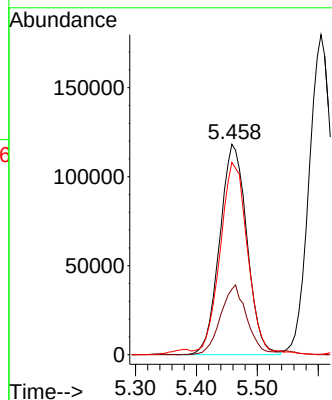
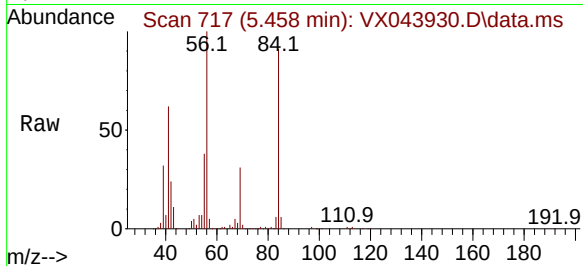




#31  
Cyclohexane  
Concen: 145.191 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

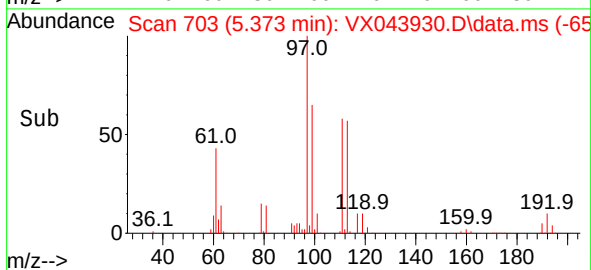
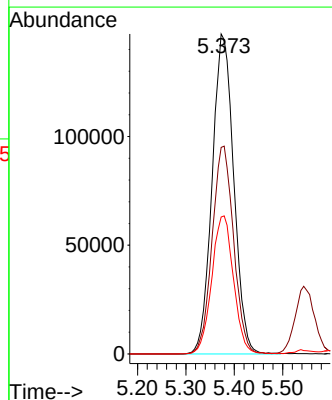
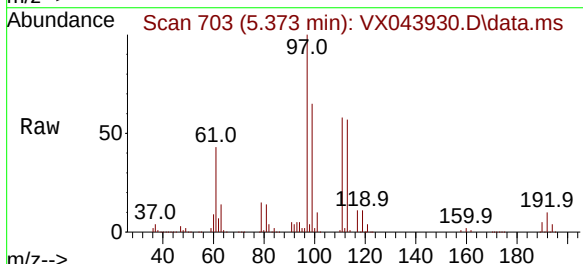
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

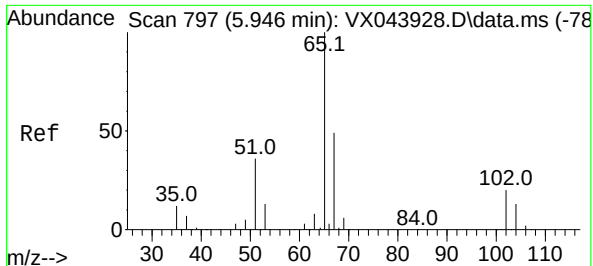
Tgt Ion: 56 Resp: 367157  
Ion Ratio Lower Upper  
56 100  
69 31.1 24.7 37.1  
84 89.9 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 159.987 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 97 Resp: 455922  
Ion Ratio Lower Upper  
97 100  
99 64.7 50.8 76.2  
61 43.5 35.4 53.2

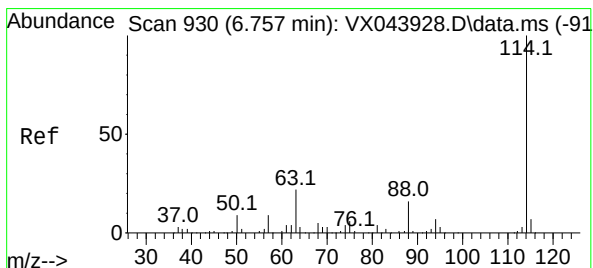
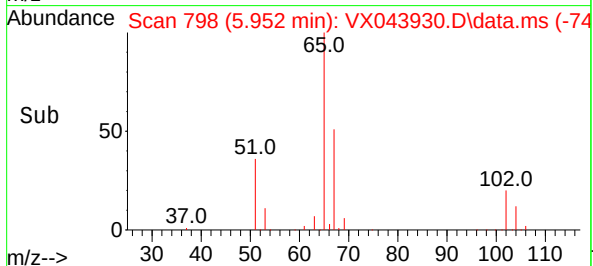
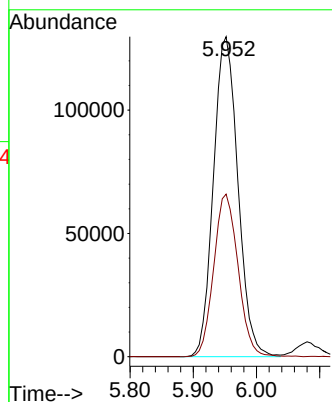
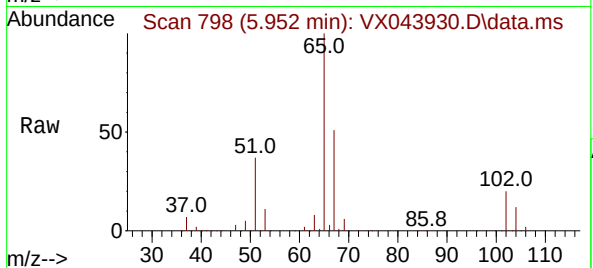




#33  
1,2-Dichloroethane-d4  
Concen: 153.852 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

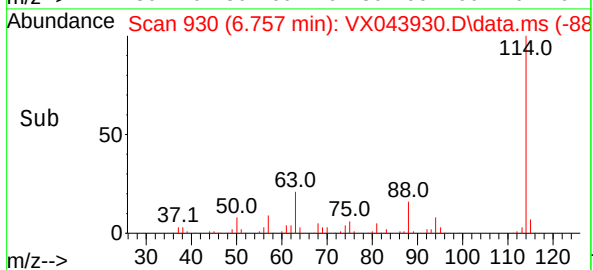
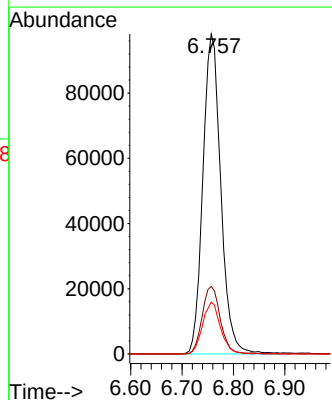
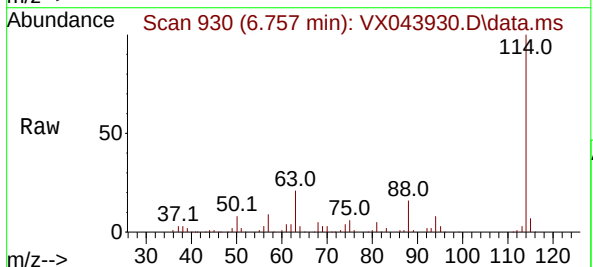
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

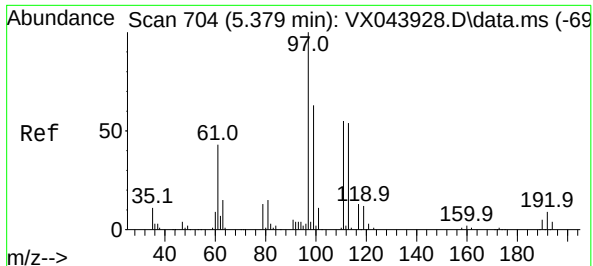
Tgt Ion: 65 Resp: 349080  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 100.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 114 Resp: 237642  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 44.0  
88 16.2 0.0 32.4





#35

Dibromofluoromethane

Concen: 157.906 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

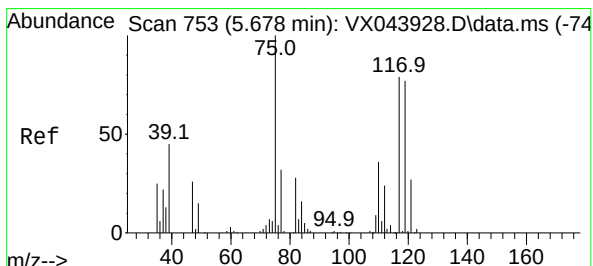
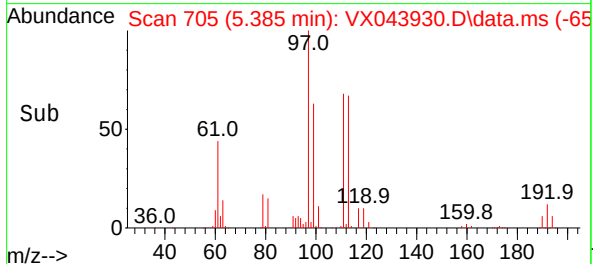
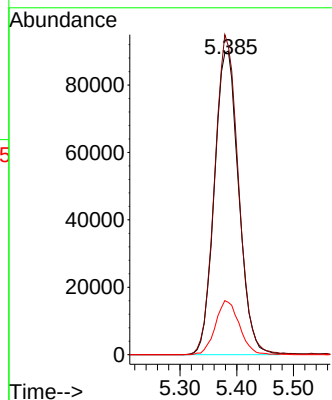
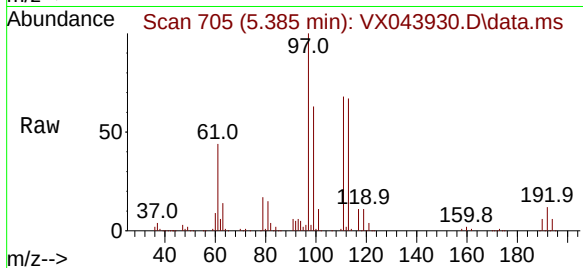
Tgt Ion:113 Resp: 268135

Ion Ratio Lower Upper

113 100

111 103.4 81.0 121.4

192 17.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 156.540 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

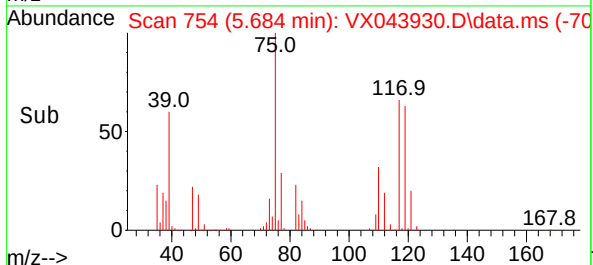
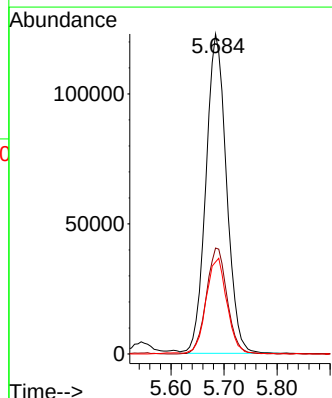
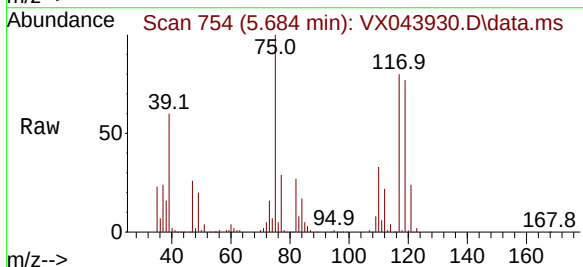
Tgt Ion: 75 Resp: 331239

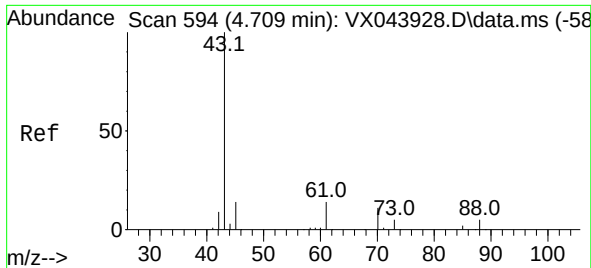
Ion Ratio Lower Upper

75 100

110 33.6 17.4 52.2

77 30.3 25.8 38.8

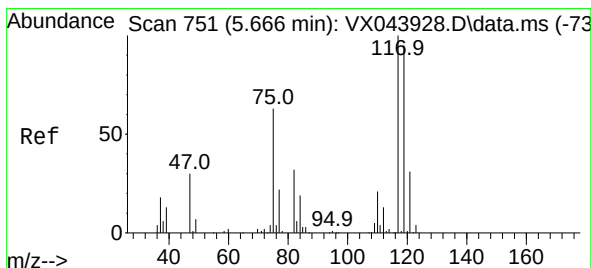
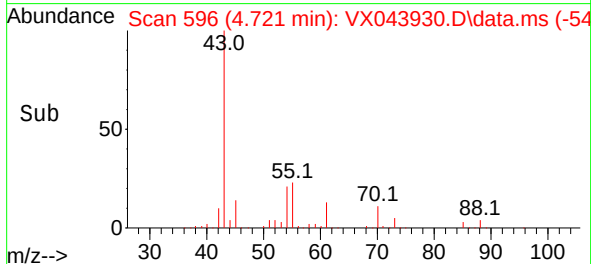
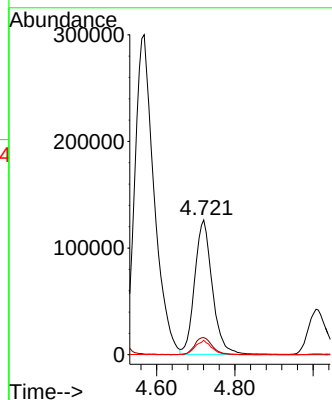
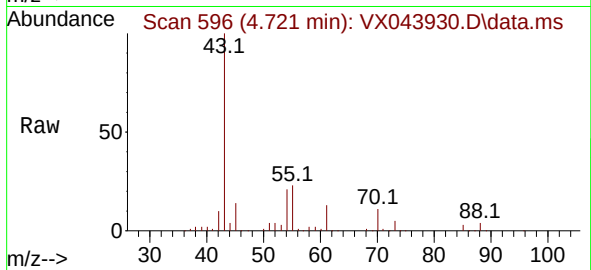




#37  
Ethyl Acetate  
Concen: 149.876 ug/l  
RT: 4.721 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

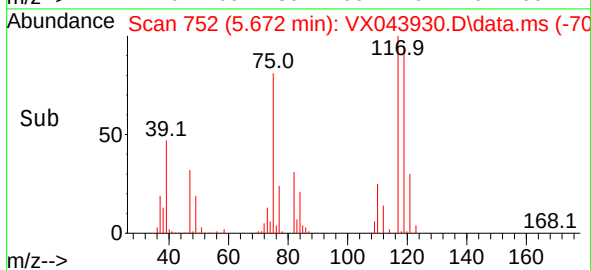
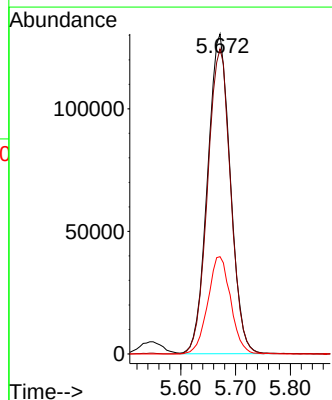
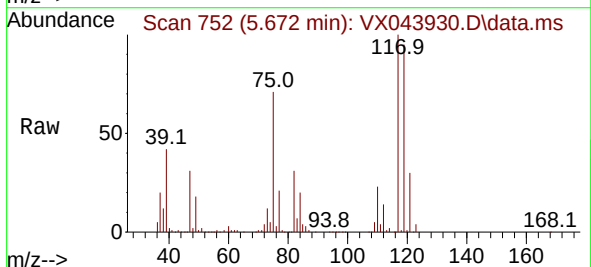
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

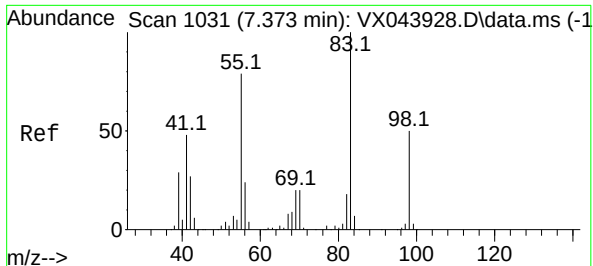
Tgt Ion: 43 Resp: 393670  
Ion Ratio Lower Upper  
43 100  
61 13.0 10.7 16.1  
70 9.9 8.0 12.0



#38  
Carbon Tetrachloride  
Concen: 158.262 ug/l  
RT: 5.672 min Scan# 752  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 117 Resp: 376287  
Ion Ratio Lower Upper  
117 100  
119 95.3 75.2 112.8  
121 30.4 24.5 36.7





#39

Methylcyclohexane

Concen: 149.269 ug/l

RT: 7.372 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

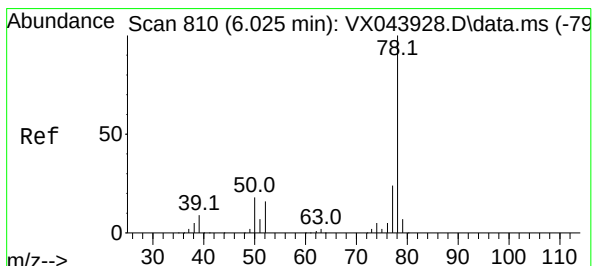
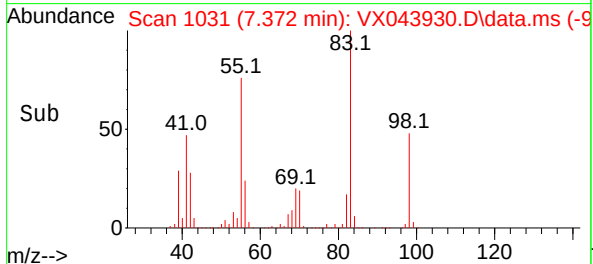
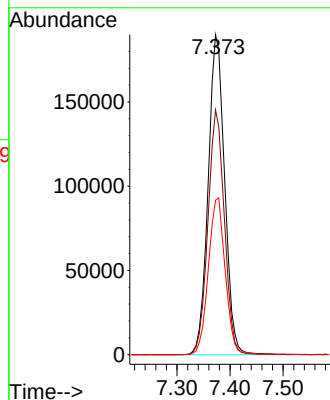
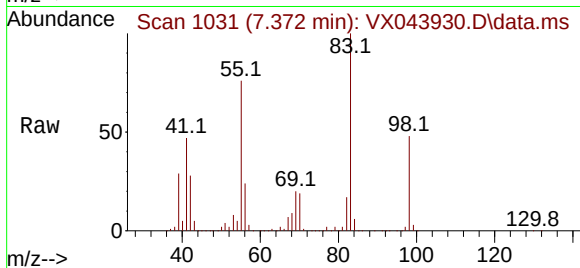
Tgt Ion: 83 Resp: 410333

Ion Ratio Lower Upper

83 100

55 76.4 63.1 94.7

98 48.3 40.0 60.0



#40

Benzene

Concen: 151.598 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043930.D

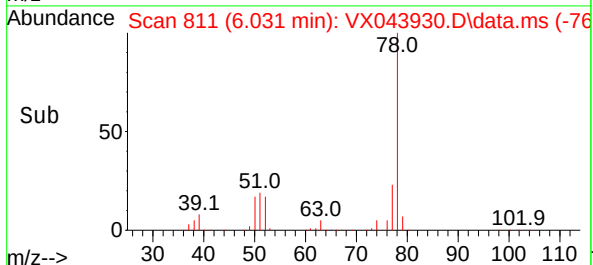
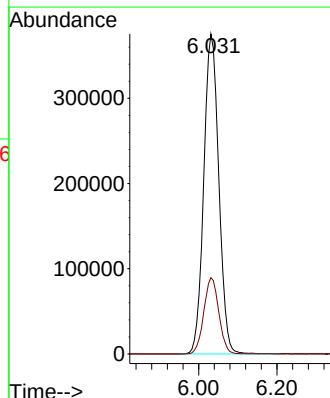
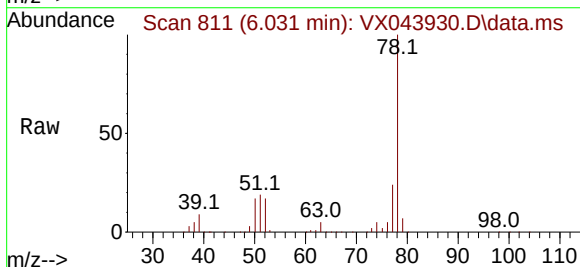
Acq: 21 Nov 2024 12:03

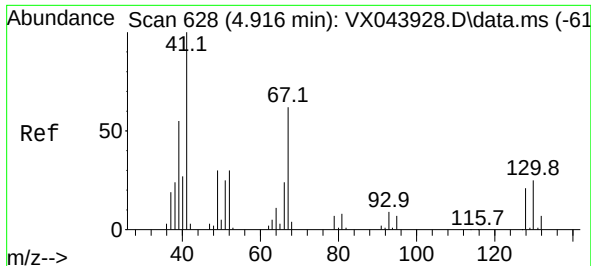
Tgt Ion: 78 Resp: 999210

Ion Ratio Lower Upper

78 100

77 23.9 19.2 28.8

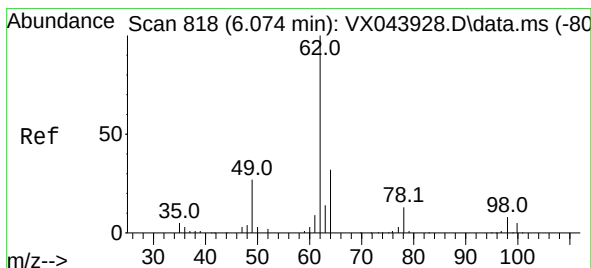
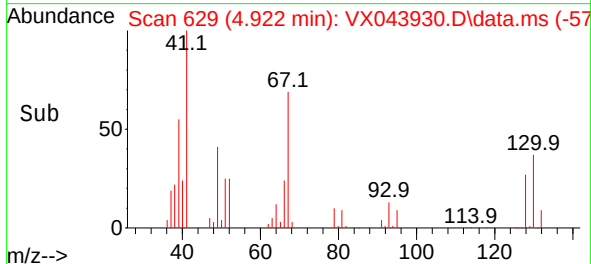
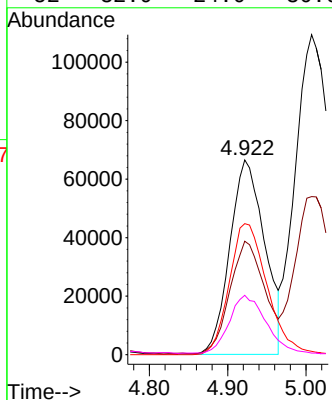
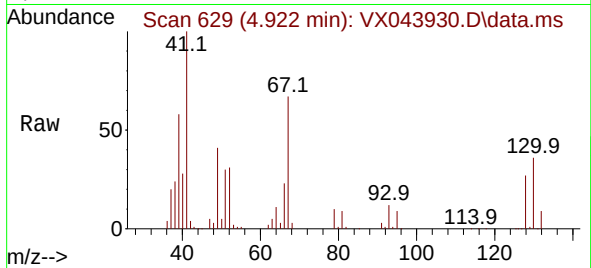




#41  
Methacrylonitrile  
Concen: 153.252 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

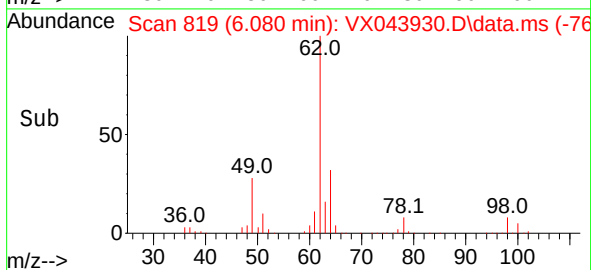
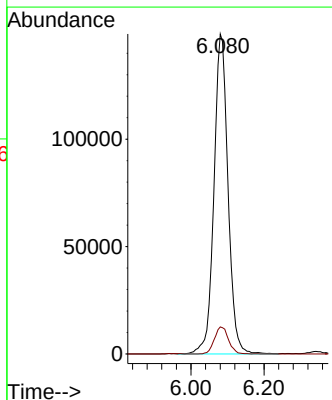
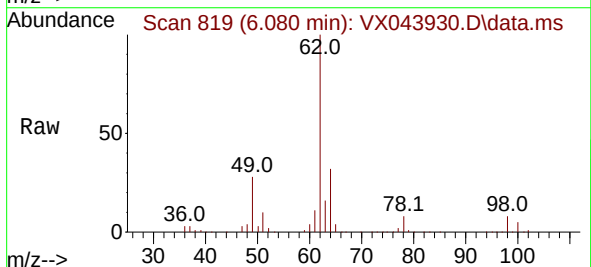
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 41 Resp: 206026  
Ion Ratio Lower Upper  
41 100  
39 57.7 41.7 62.5  
67 73.5 55.8 83.8  
52 32.9 24.0 36.0

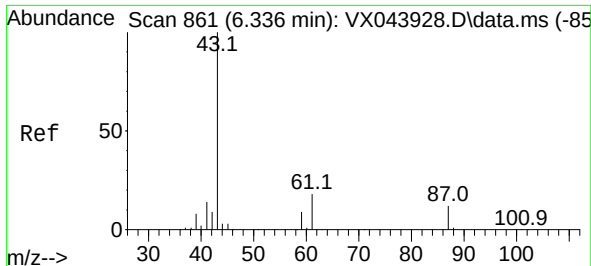


#42  
1,2-Dichloroethane  
Concen: 150.163 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 62 Resp: 397508  
Ion Ratio Lower Upper  
62 100  
98 8.5 0.0 16.4







#43

Isopropyl Acetate

Concen: 158.329 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

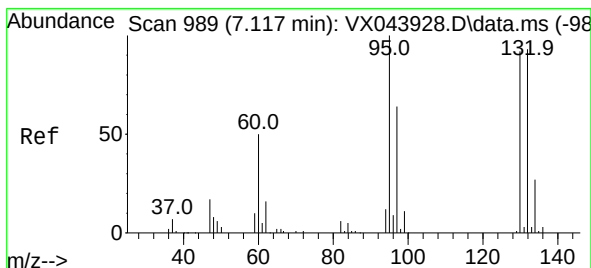
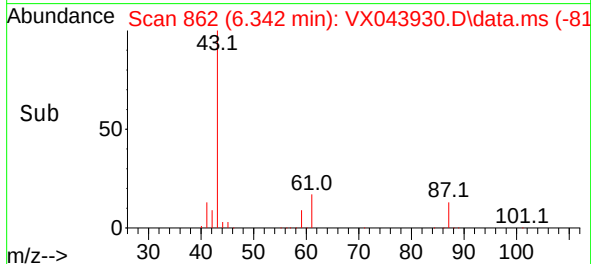
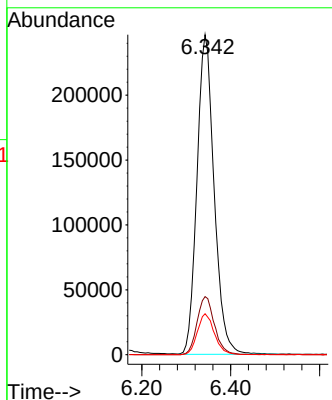
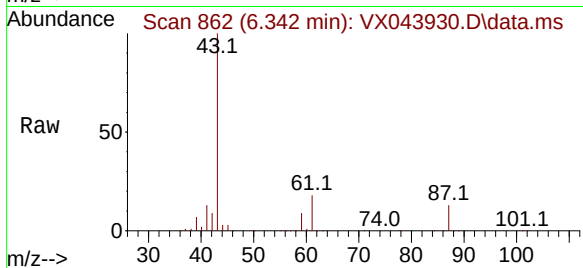
Tgt Ion: 43 Resp: 661839

Ion Ratio Lower Upper

43 100

61 18.4 14.5 21.7

87 12.7 10.2 15.2



#44

Trichloroethene

Concen: 134.559 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043930.D

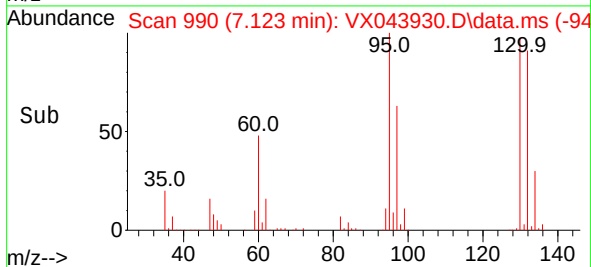
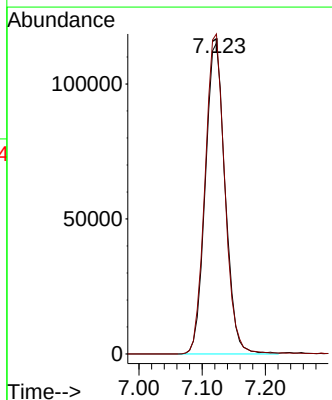
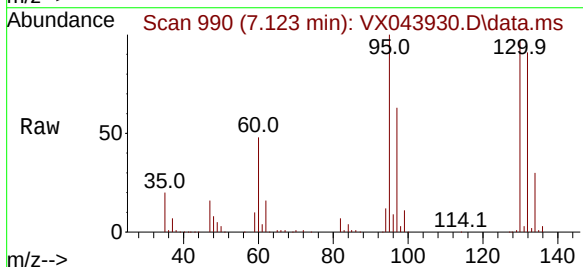
Acq: 21 Nov 2024 12:03

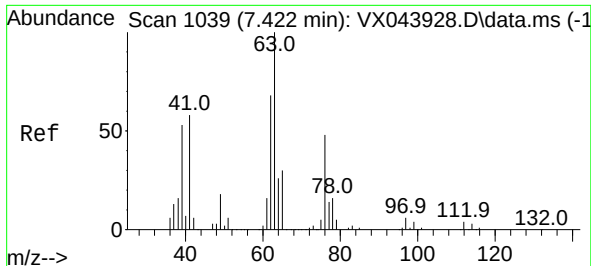
Tgt Ion:130 Resp: 251071

Ion Ratio Lower Upper

130 100

95 103.0 0.0 217.8

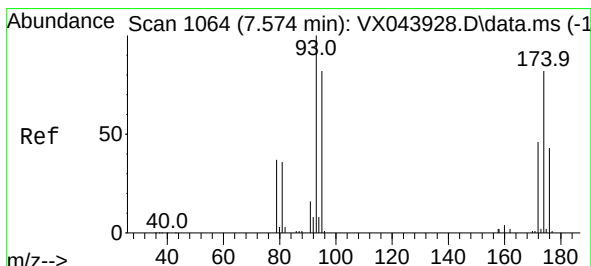
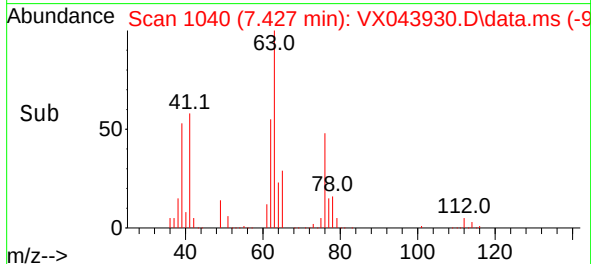
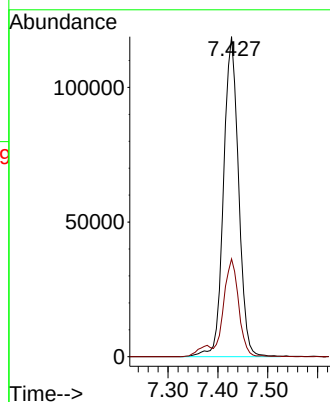
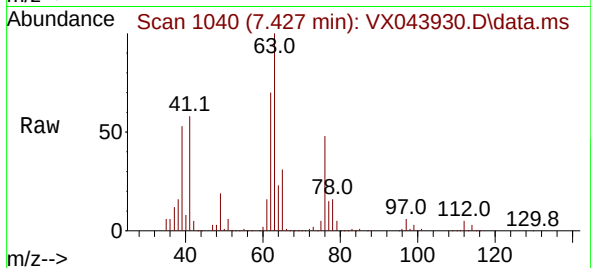




#45  
1,2-Dichloropropane  
Concen: 154.486 ug/l  
RT: 7.427 min Scan# 1039  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

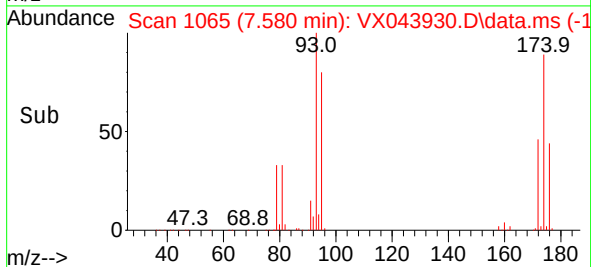
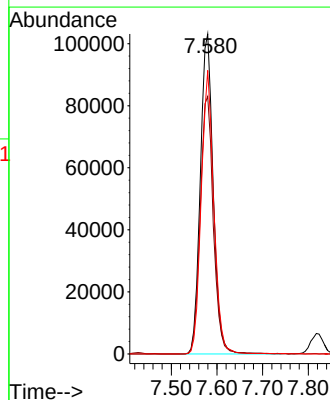
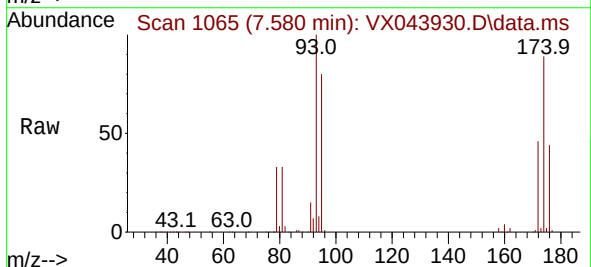
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

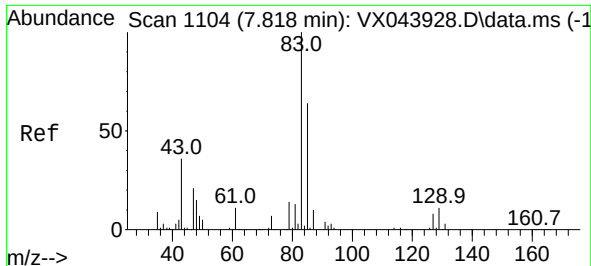
Tgt Ion: 63 Resp: 249394  
Ion Ratio Lower Upper  
63 100  
65 30.5 23.8 35.6



#46  
Dibromomethane  
Concen: 158.440 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 93 Resp: 202329  
Ion Ratio Lower Upper  
93 100  
95 81.9 66.2 99.4  
174 86.4 69.6 104.4

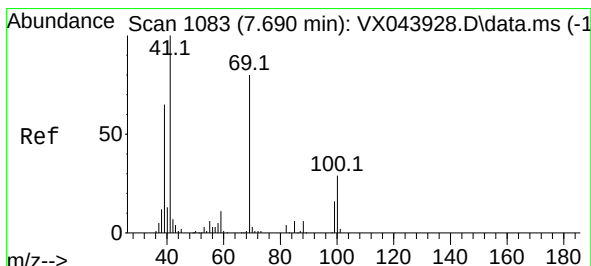
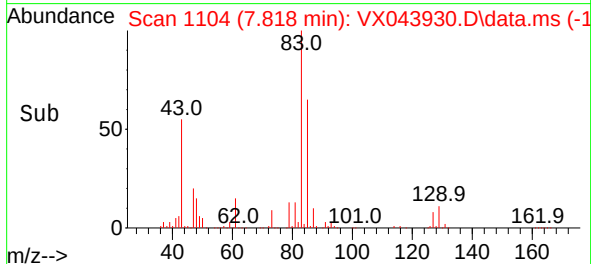
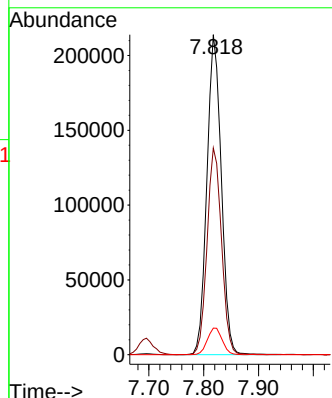
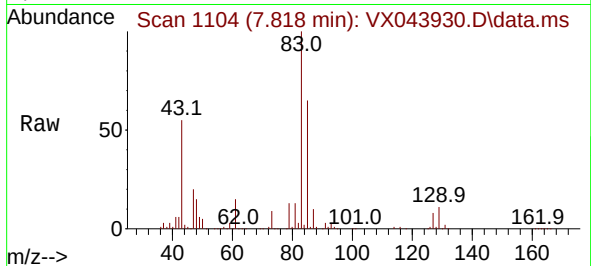




#47  
Bromodichloromethane  
Concen: 169.524 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

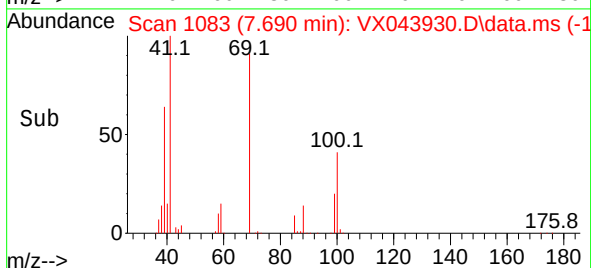
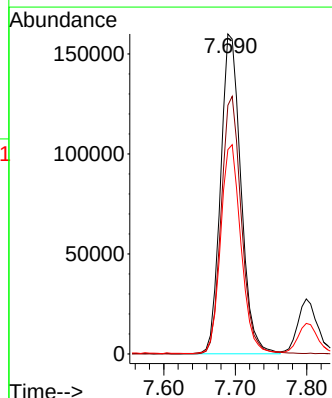
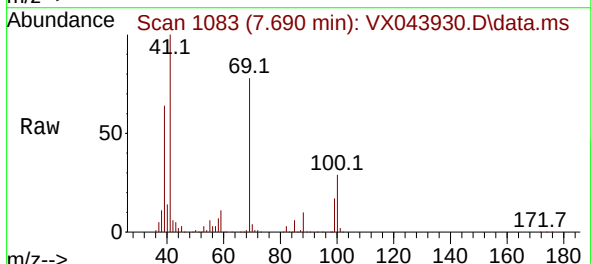
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

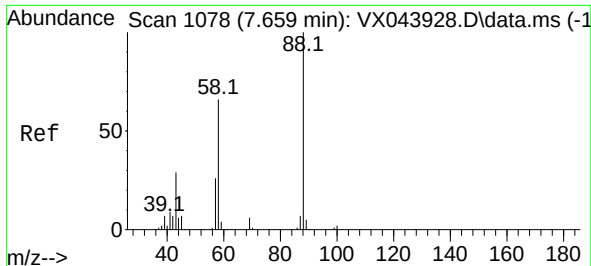
Tgt Ion: 83 Resp: 388259  
Ion Ratio Lower Upper  
83 100  
85 64.6 51.4 77.0  
127 8.3 6.6 10.0



#48  
Methyl methacrylate  
Concen: 157.479 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 41 Resp: 315872  
Ion Ratio Lower Upper  
41 100  
69 80.1 64.6 97.0  
39 65.4 53.3 79.9





#49

1,4-Dioxane

Concen: 3083.461 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

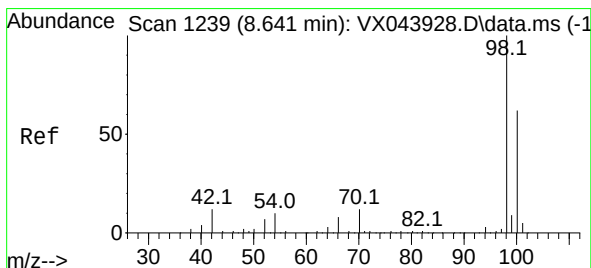
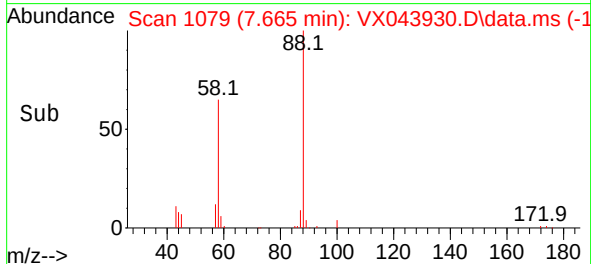
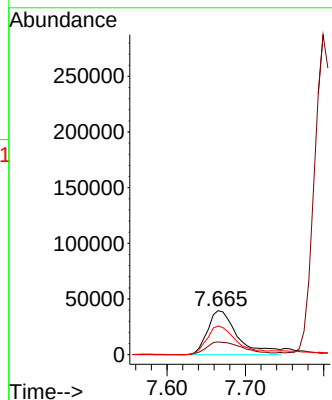
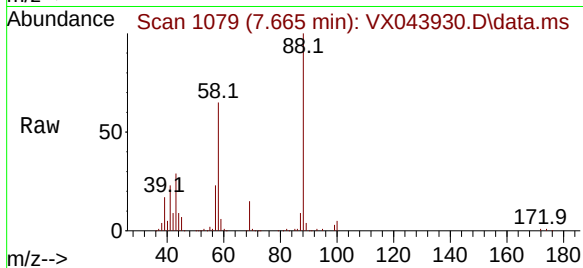
Tgt Ion: 88 Resp: 106634

Ion Ratio Lower Upper

88 100

43 35.6 26.8 40.2

58 66.2 45.4 68.2



#50

Toluene-d8

Concen: 153.143 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043930.D

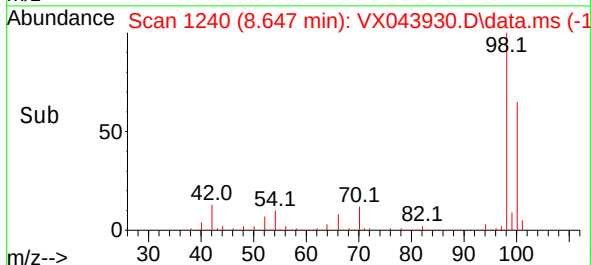
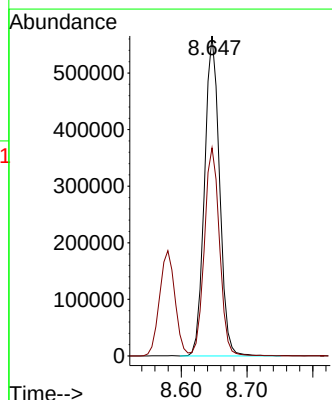
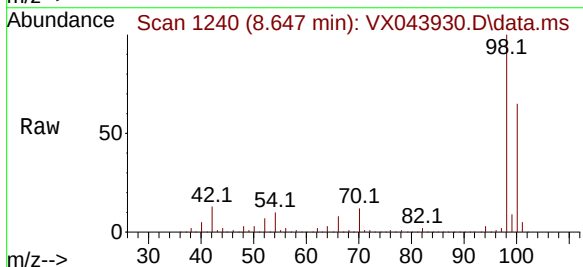
Acq: 21 Nov 2024 12:03

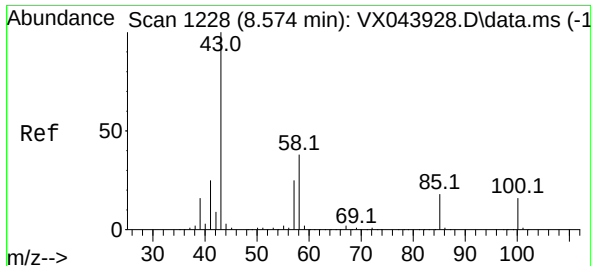
Tgt Ion: 98 Resp: 896413

Ion Ratio Lower Upper

98 100

100 65.7 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 766.353 ug/l

RT: 8.580 min Scan# 1228

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

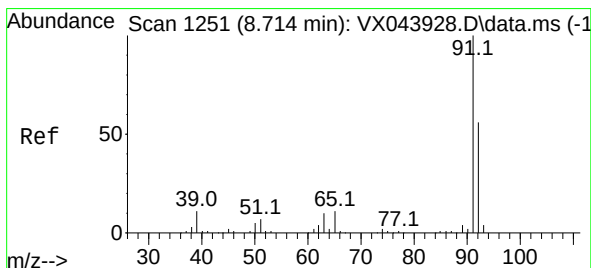
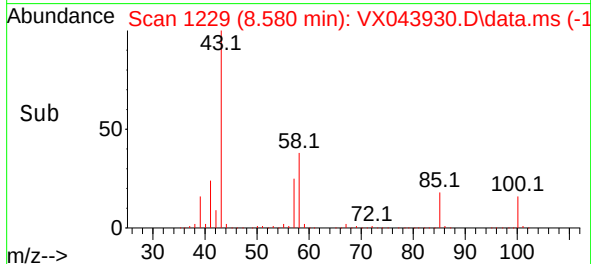
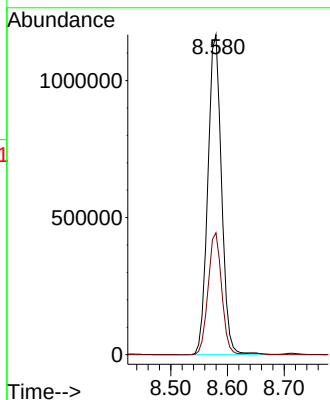
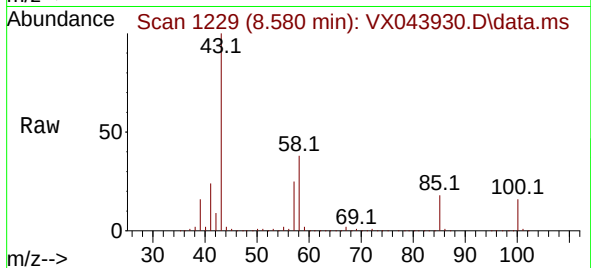
VSTDIC150

Tgt Ion: 43 Resp: 1954925

Ion Ratio Lower Upper

43 100

58 37.8 30.0 45.0



#52

Toluene

Concen: 153.910 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX043930.D

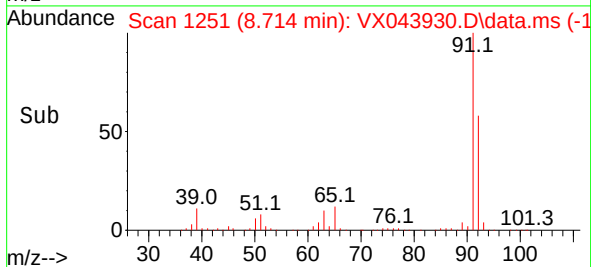
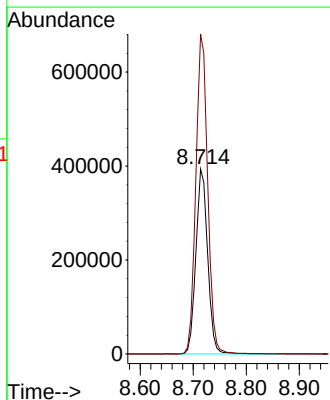
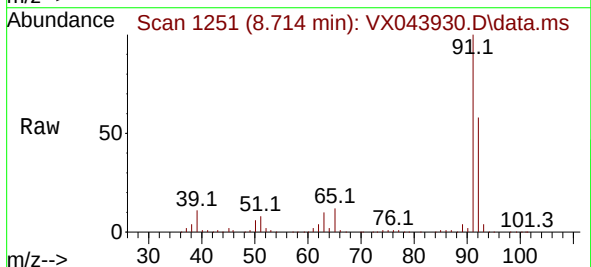
Acq: 21 Nov 2024 12:03

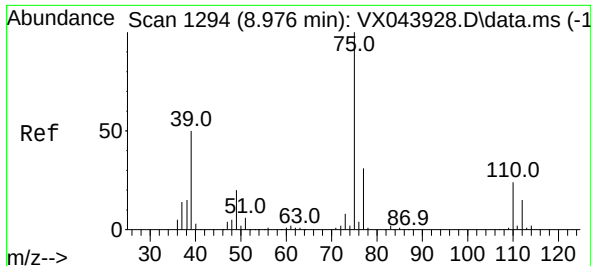
Tgt Ion: 92 Resp: 607179

Ion Ratio Lower Upper

92 100

91 173.9 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 173.984 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

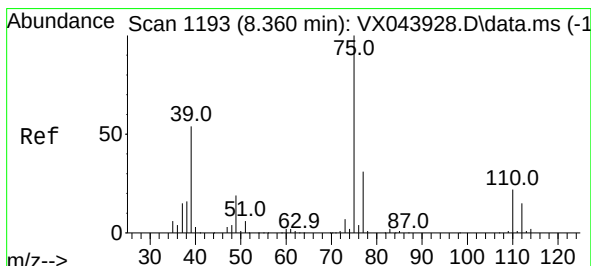
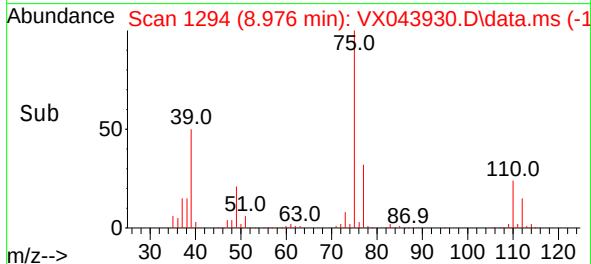
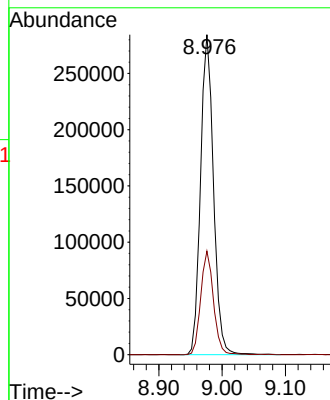
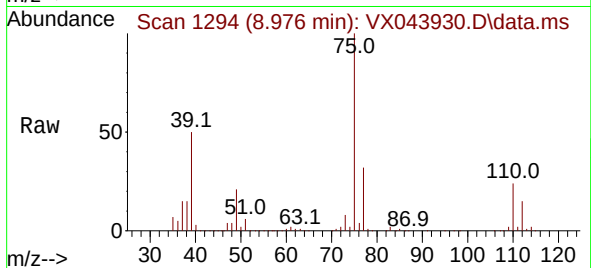
VSTDIC150

Tgt Ion: 75 Resp: 406346

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 167.379 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

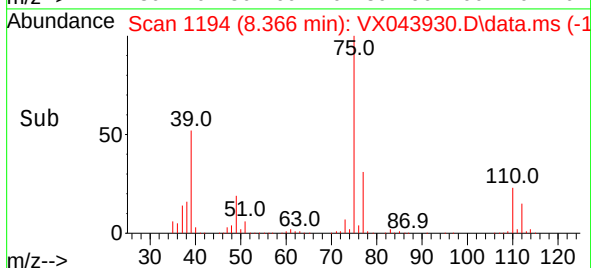
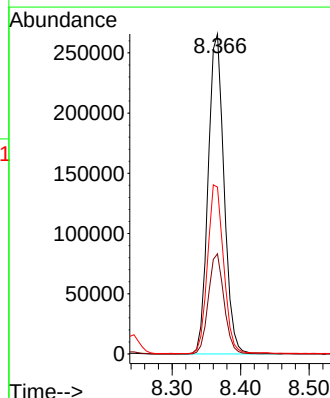
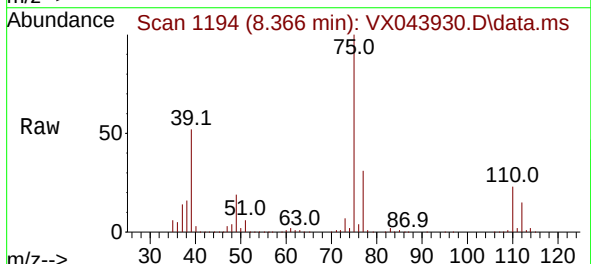
Tgt Ion: 75 Resp: 428549

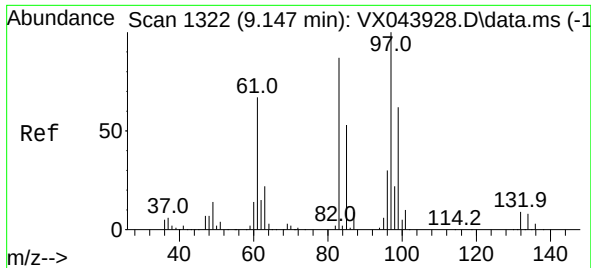
Ion Ratio Lower Upper

75 100

77 31.3 25.2 37.8

39 52.0 43.1 64.7



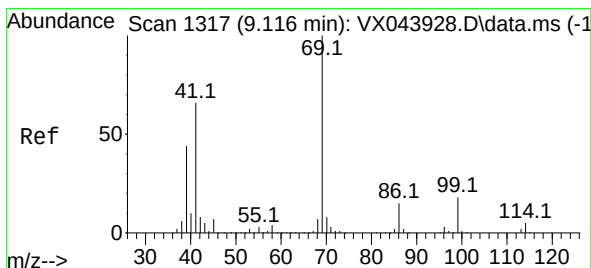
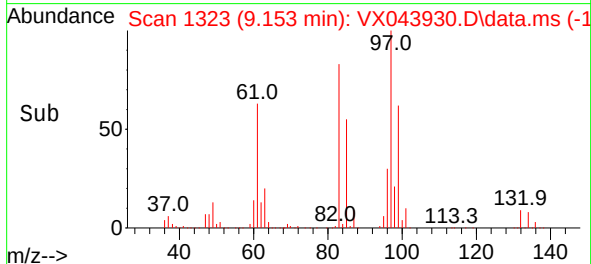
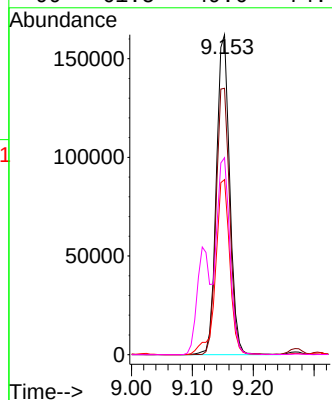
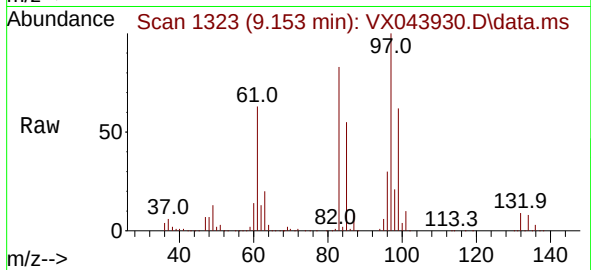


#55  
1,1,2-Trichloroethane  
Concen: 150.879 ug/l  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 97 Resp: 245706

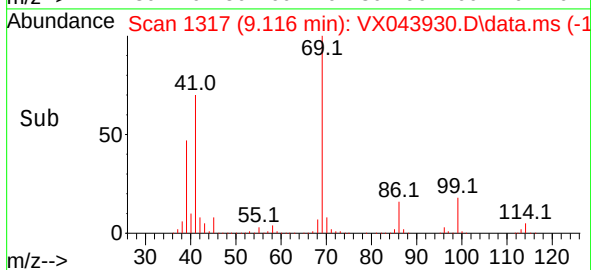
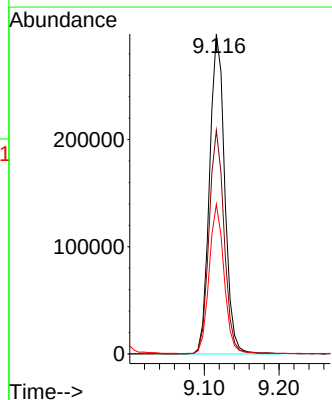
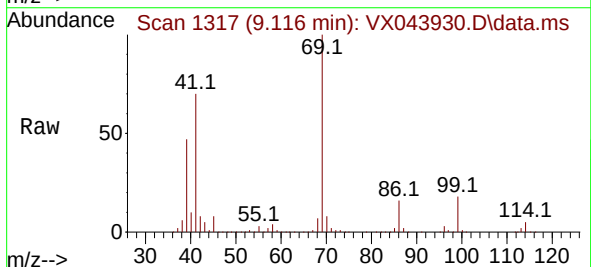
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 83.3  | 69.4  | 104.0 |
| 85  | 54.7  | 42.3  | 63.5  |
| 99  | 61.5  | 49.6  | 74.4  |

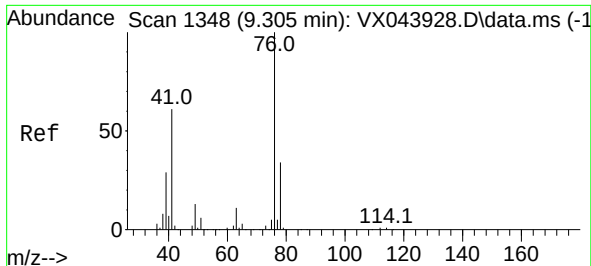


#56  
Ethyl methacrylate  
Concen: 165.742 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 69 Resp: 420409

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 69.6  | 55.8  | 83.8  |
| 39  | 45.9  | 36.7  | 55.1  |

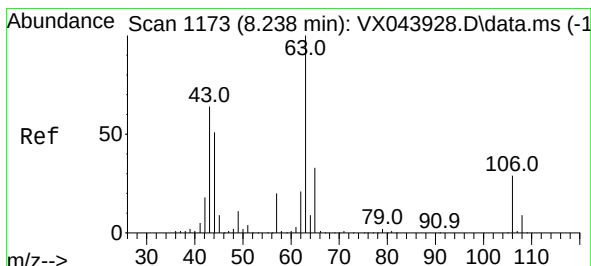
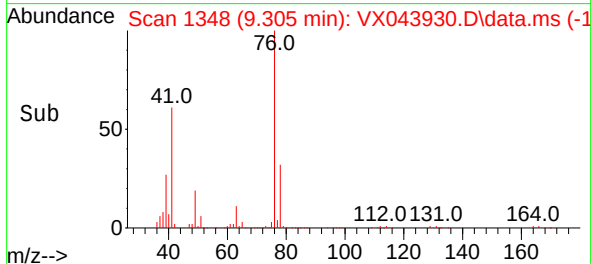
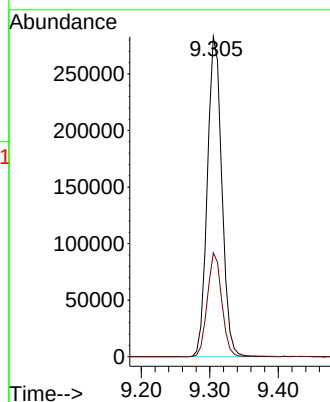
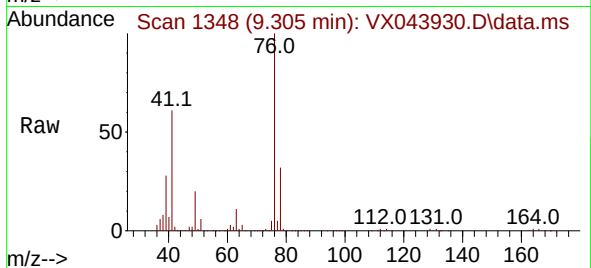




#57  
1,3-Dichloropropane  
Concen: 151.939 ug/l  
RT: 9.305 min Scan# 1174  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

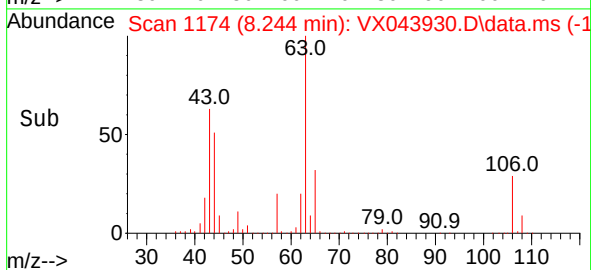
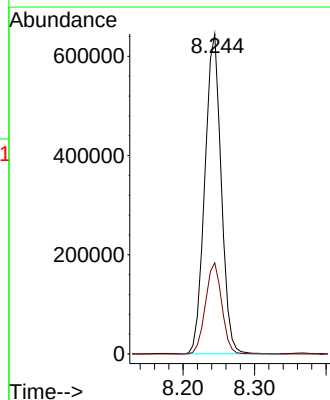
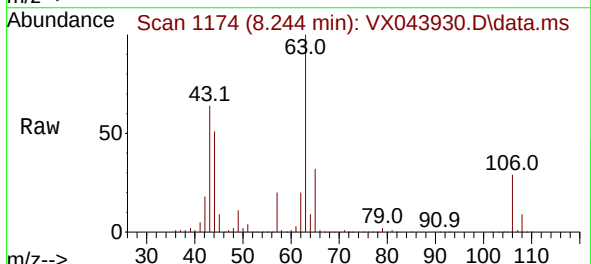
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

Tgt Ion: 76 Resp: 416811  
Ion Ratio Lower Upper  
76 100  
78 32.2 26.0 39.0

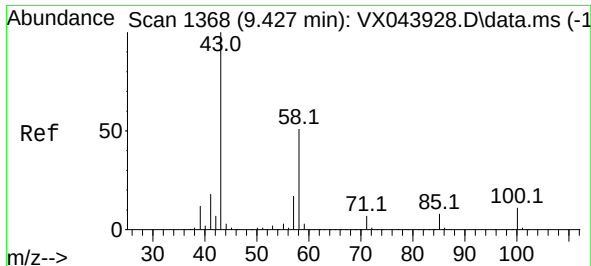


#58  
2-Chloroethyl Vinyl ether  
Concen: 753.191 ug/l  
RT: 8.244 min Scan# 1174  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 63 Resp: 1023576  
Ion Ratio Lower Upper  
63 100  
106 28.5 23.0 34.6







#59

2-Hexanone

Concen: 779.070 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

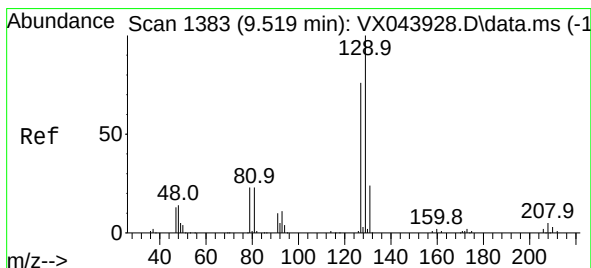
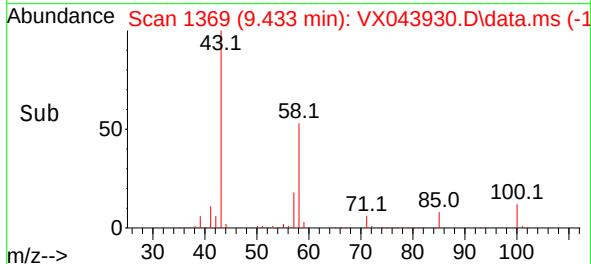
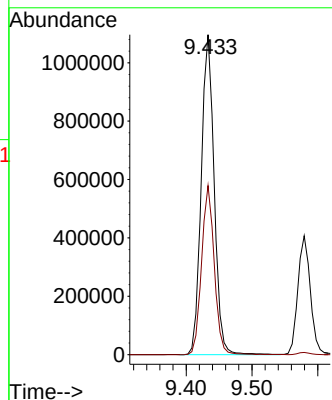
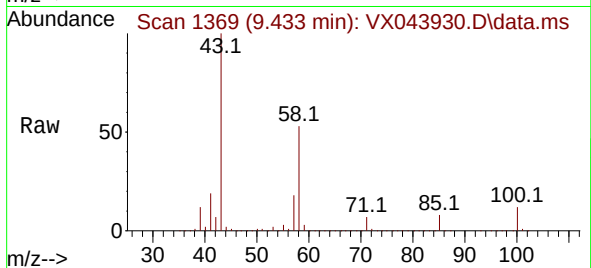
VSTDIC150

Tgt Ion: 43 Resp: 1493755

Ion Ratio Lower Upper

43 100

58 52.1 25.9 77.6



#60

Dibromochloromethane

Concen: 175.154 ug/l

RT: 9.518 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043930.D

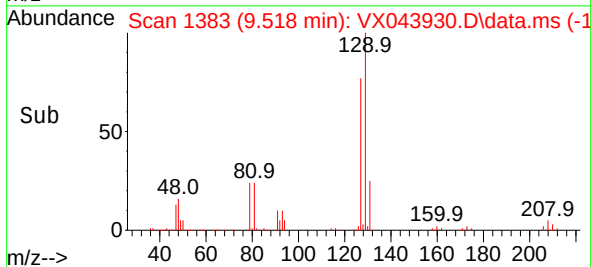
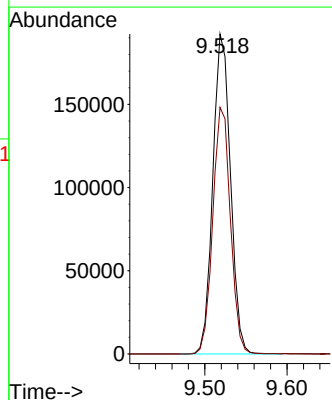
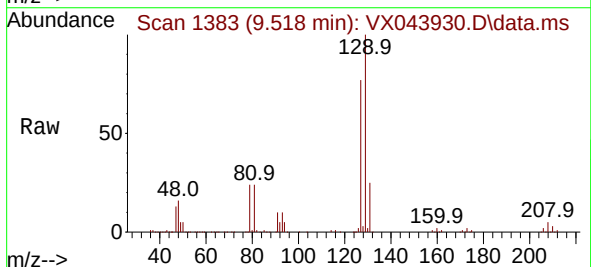
Acq: 21 Nov 2024 12:03

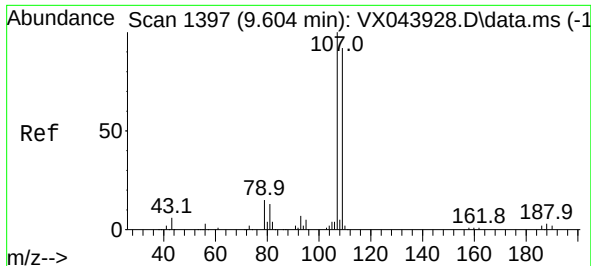
Tgt Ion:129 Resp: 286188

Ion Ratio Lower Upper

129 100

127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 158.727 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

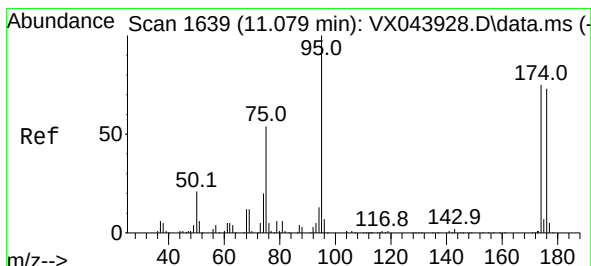
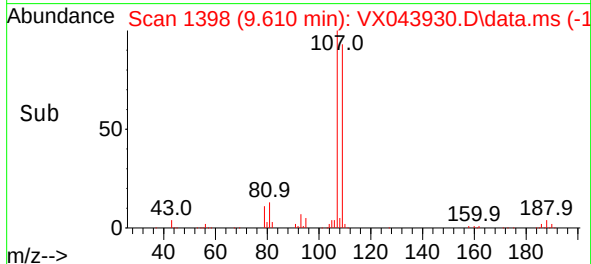
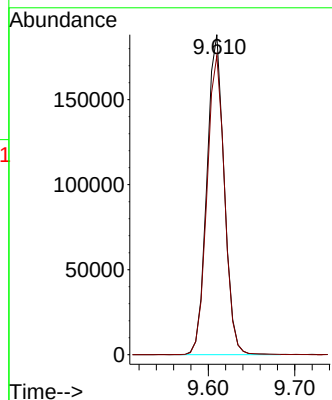
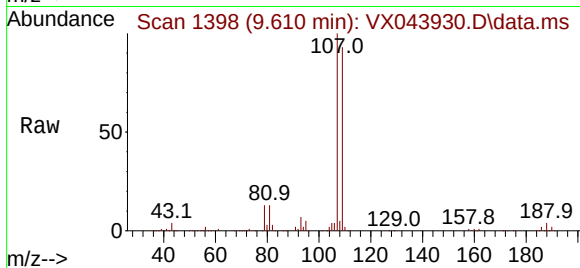
VSTDIC150

Tgt Ion:107 Resp: 261369

Ion Ratio Lower Upper

107 100

109 95.1 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 162.951 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

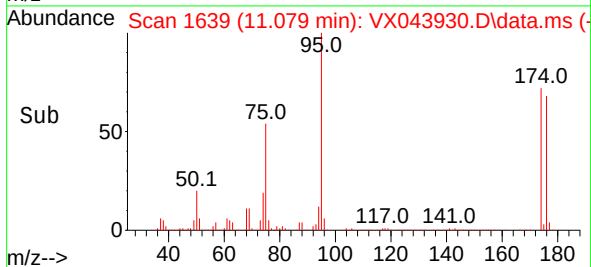
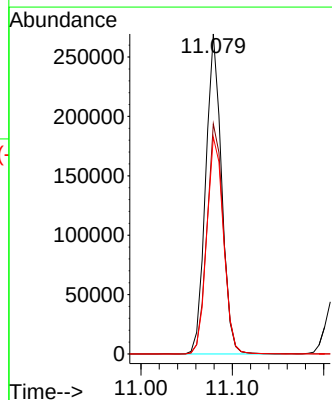
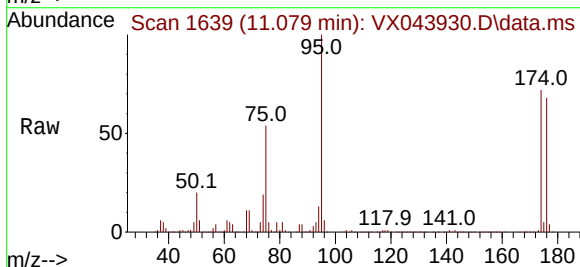
Tgt Ion: 95 Resp: 324612

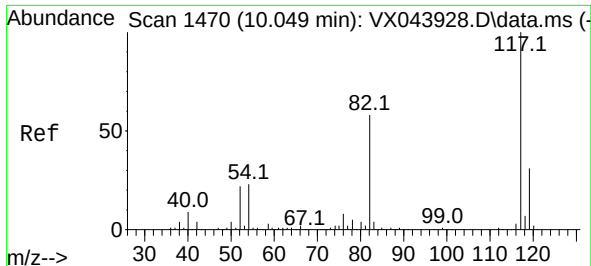
Ion Ratio Lower Upper

95 100

174 74.6 0.0 150.4

176 71.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

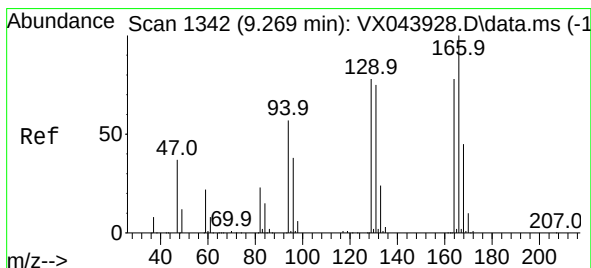
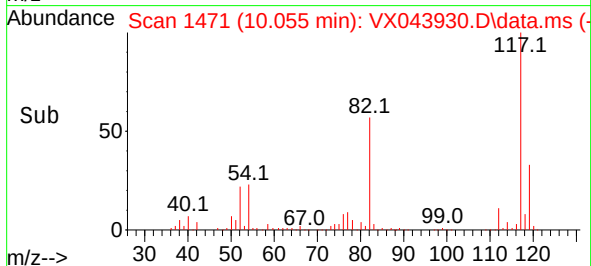
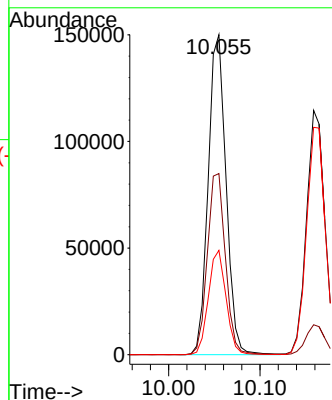
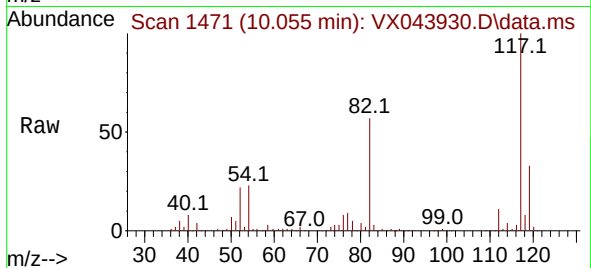
Tgt Ion:117 Resp: 203280

Ion Ratio Lower Upper

117 100

82 56.6 46.4 69.6

119 32.6 24.6 37.0



#64

Tetrachloroethene

Concen: 150.897 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion:164 Resp: 202262

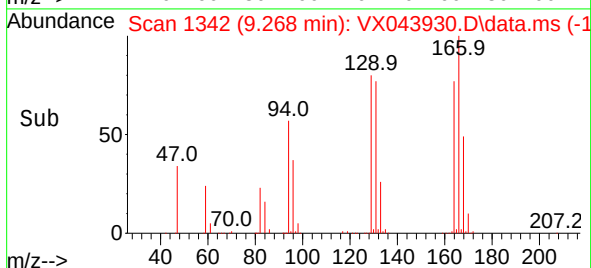
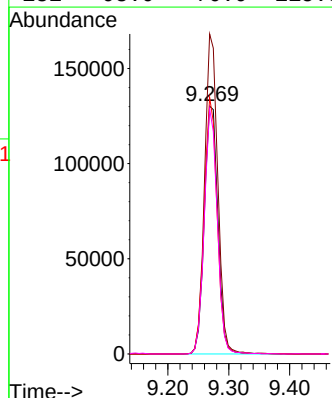
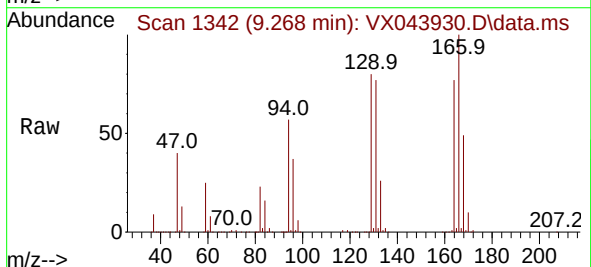
Ion Ratio Lower Upper

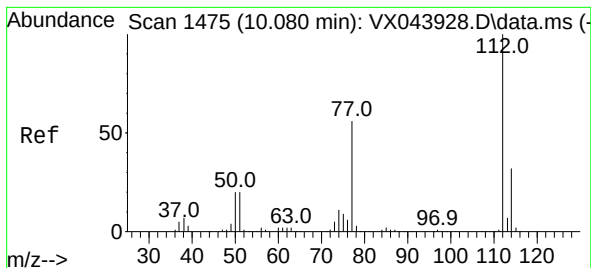
164 100

166 129.1 102.1 153.1

129 103.4 79.6 119.4

131 98.9 76.9 115.3

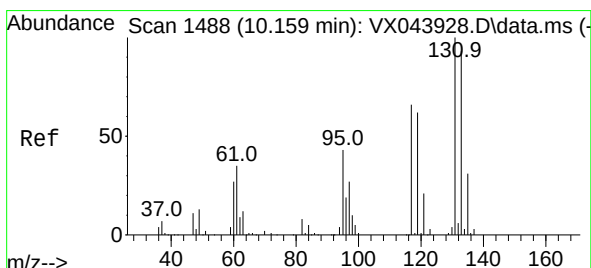
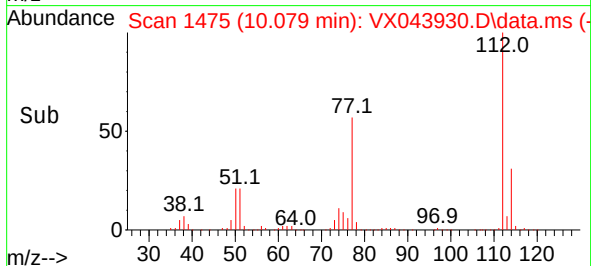
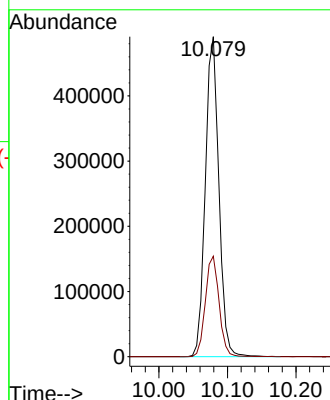
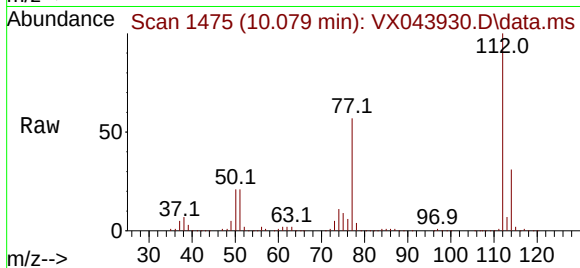




#65  
Chlorobenzene  
Concen: 151.304 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

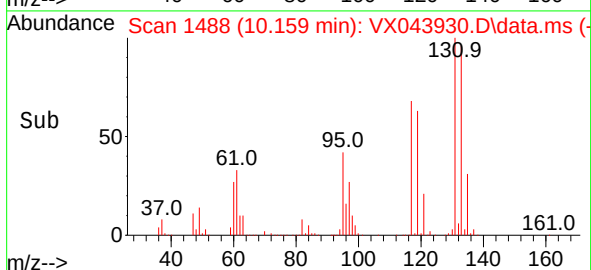
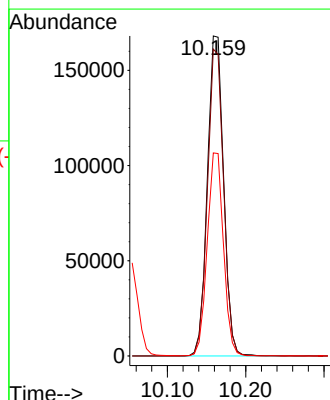
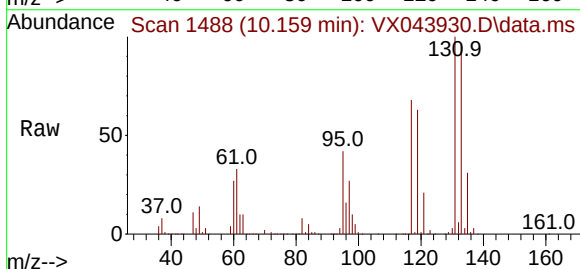
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

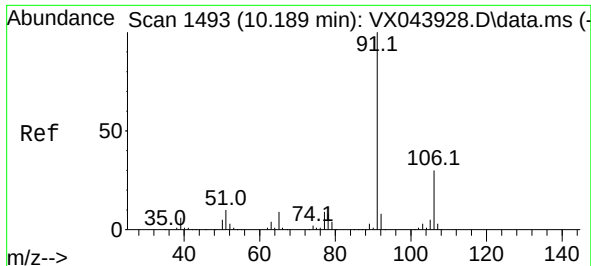
Tgt Ion:112 Resp: 675513  
Ion Ratio Lower Upper  
112 100  
114 31.4 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 166.861 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion:131 Resp: 241604  
Ion Ratio Lower Upper  
131 100  
133 95.2 48.2 144.6  
119 63.3 31.5 94.5





#67

Ethyl Benzene

Concen: 156.200 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

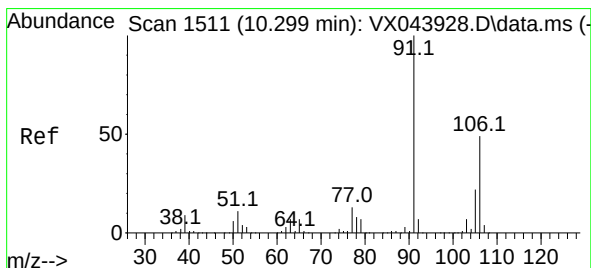
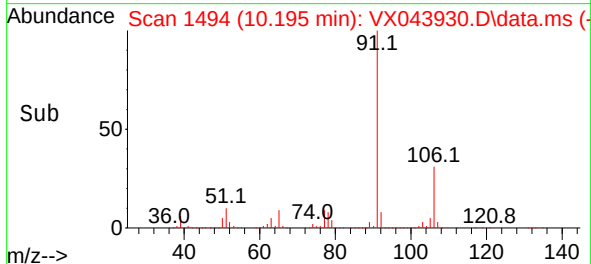
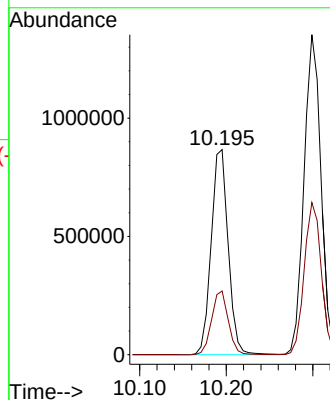
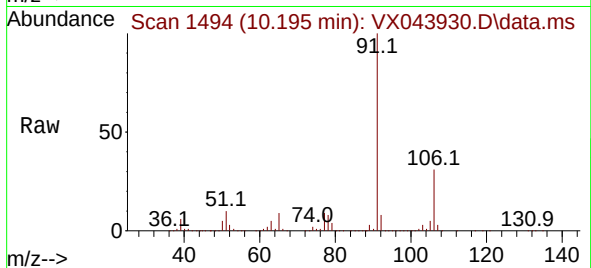
VSTDIC150

Tgt Ion: 91 Resp: 1181693

Ion Ratio Lower Upper

91 100

106 31.1 23.6 35.4



#68

m/p-Xylenes

Concen: 313.360 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043930.D

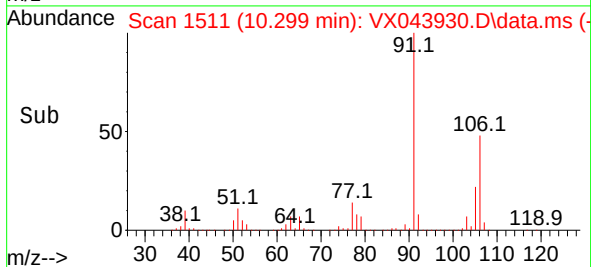
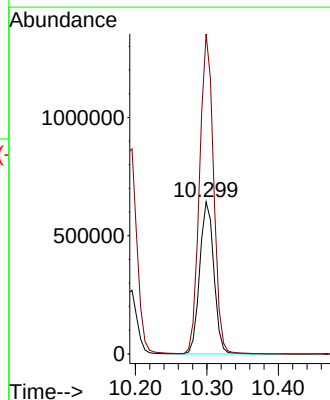
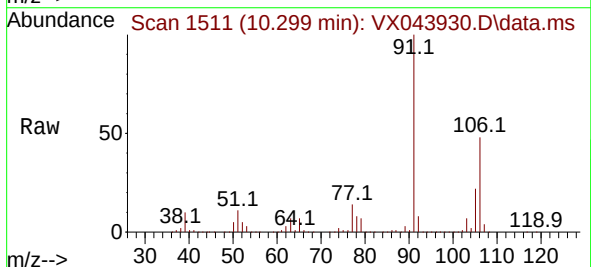
Acq: 21 Nov 2024 12:03

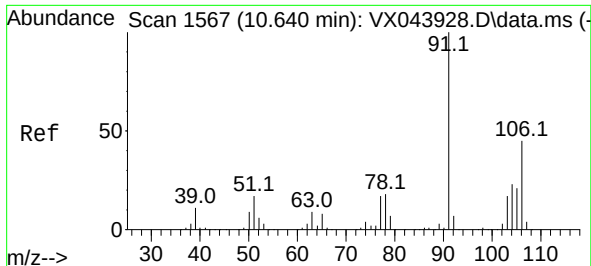
Tgt Ion:106 Resp: 884067

Ion Ratio Lower Upper

106 100

91 208.6 168.1 252.1





#69

o-Xylene

Concen: 158.616 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

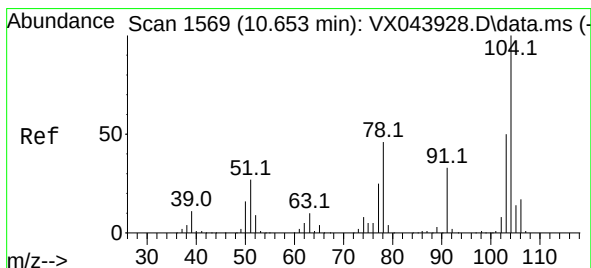
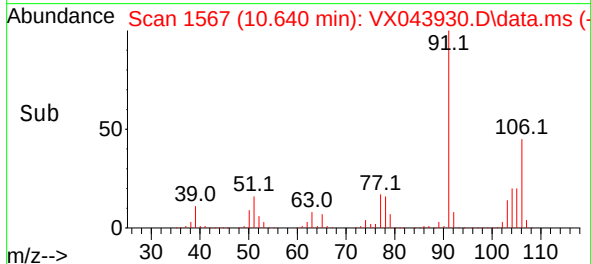
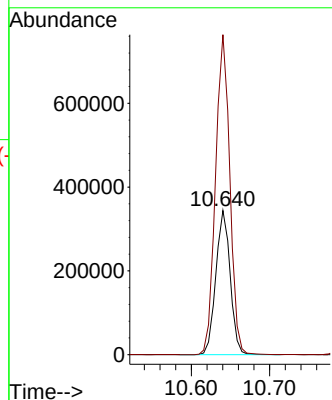
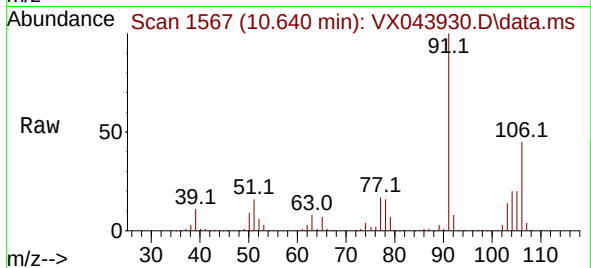
VSTDIC150

Tgt Ion:106 Resp: 436919

Ion Ratio Lower Upper

106 100

91 222.3 110.2 330.6



#70

Styrene

Concen: 162.878 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

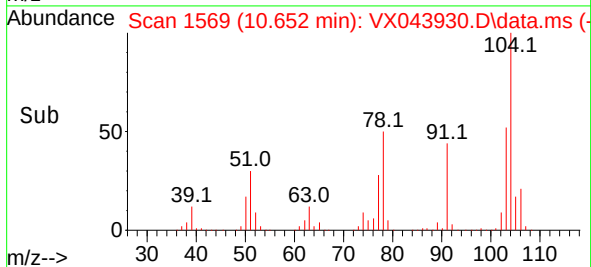
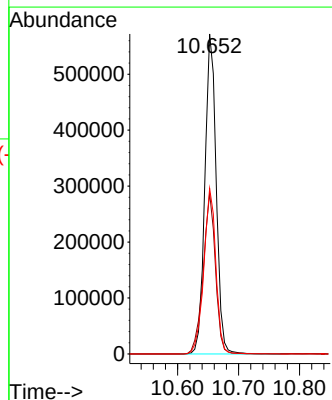
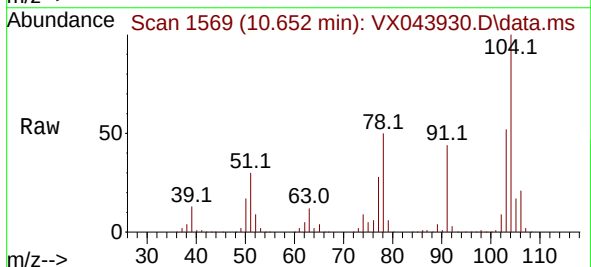
Tgt Ion:104 Resp: 742061

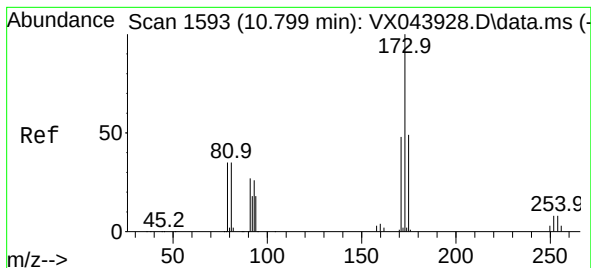
Ion Ratio Lower Upper

104 100

78 54.2 42.2 63.2

103 55.2 44.7 67.1





#71

Bromoform

Concen: 150.272 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

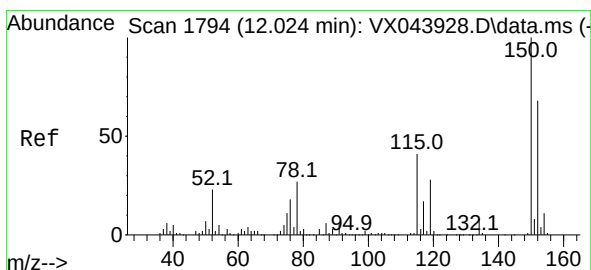
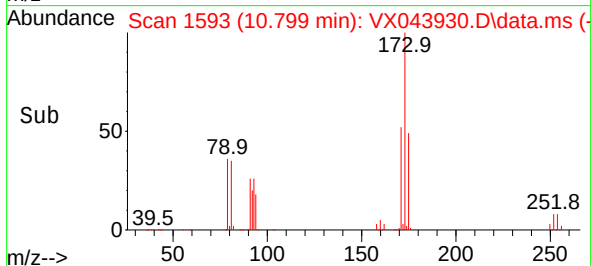
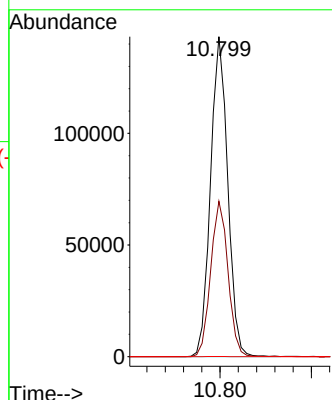
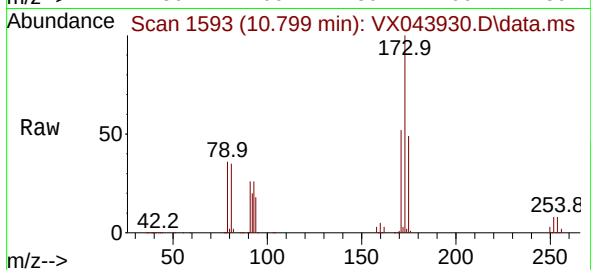
Tgt Ion:173 Resp: 186691

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.2

254 0.1 0.0 0.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

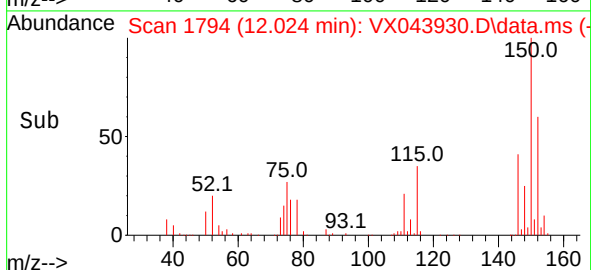
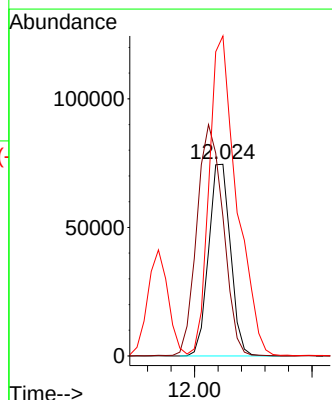
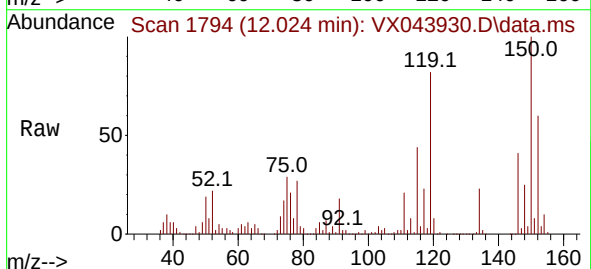
Tgt Ion:152 Resp: 96376

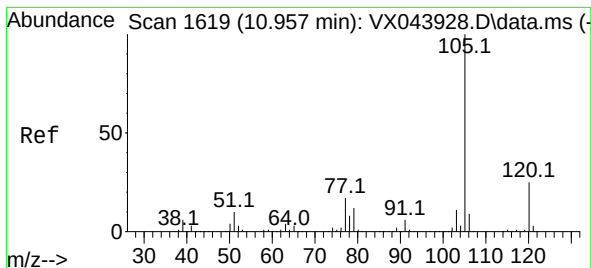
Ion Ratio Lower Upper

152 100

115 145.9 45.4 136.2#

150 210.2 0.0 353.0





#73

Isopropylbenzene

Concen: 153.248 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

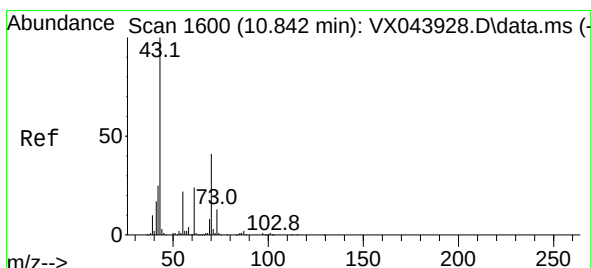
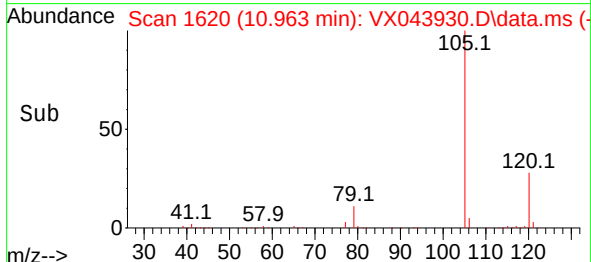
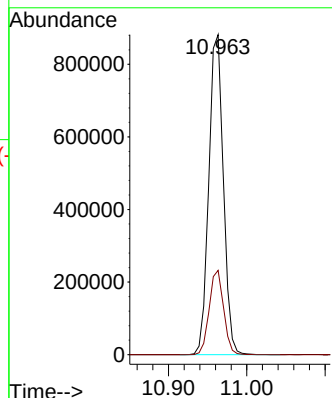
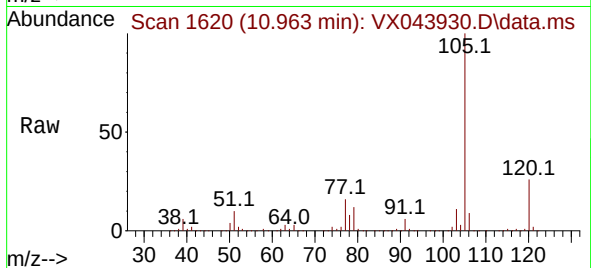
VSTDICC150

Tgt Ion:105 Resp: 1135309

Ion Ratio Lower Upper

105 100

120 26.0 13.0 38.9



#74

N-ethyl acetate

Concen: 170.913 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Tgt Ion: 43 Resp: 586560

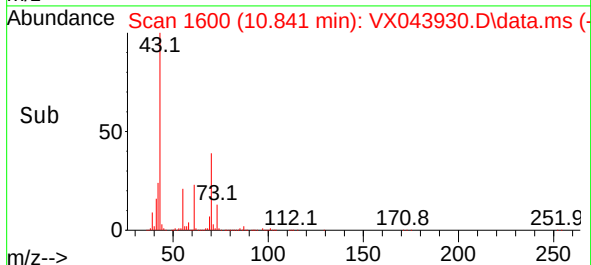
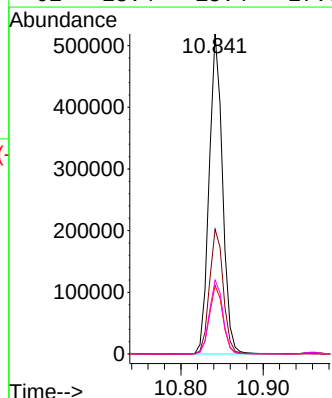
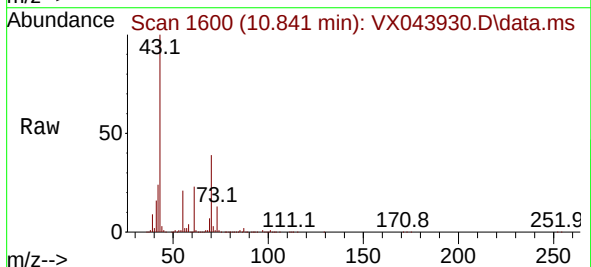
Ion Ratio Lower Upper

43 100

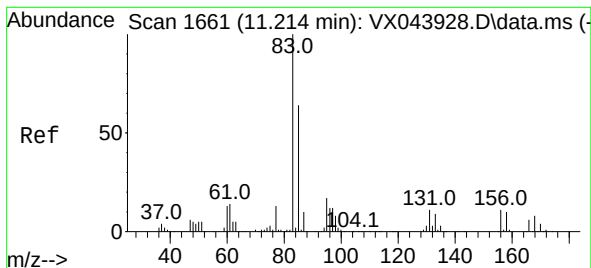
70 40.1 32.2 48.2

55 21.7 18.1 27.1

61 23.4 18.4 27.6







#75

1,1,2,2-Tetrachloroethane

Concen: 149.781 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

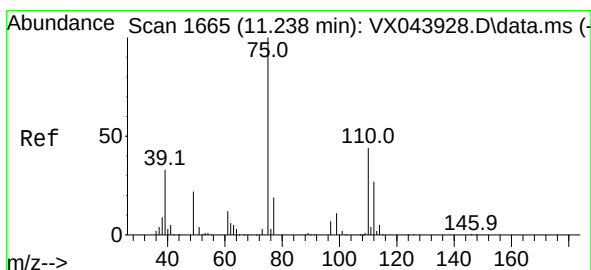
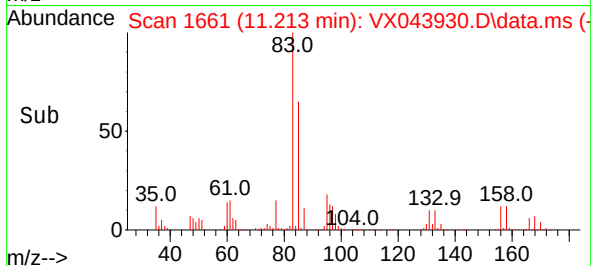
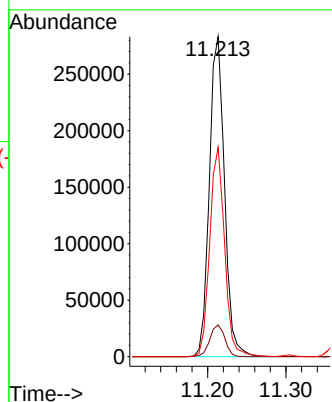
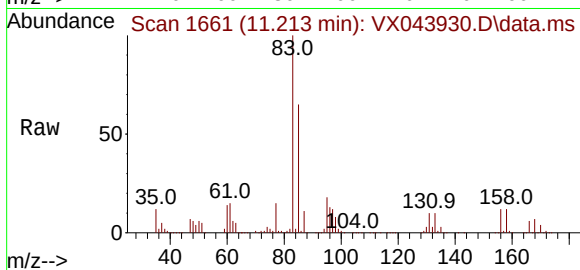
Tgt Ion: 83 Resp: 379947

Ion Ratio Lower Upper

83 100

131 9.9 5.1 15.2

85 64.1 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 210.095 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043930.D

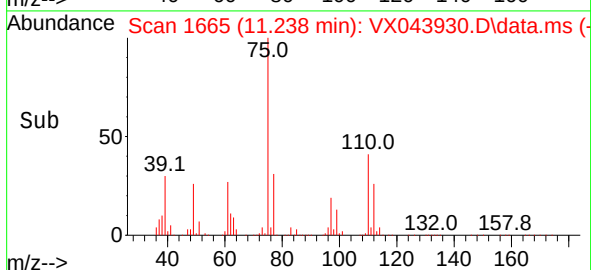
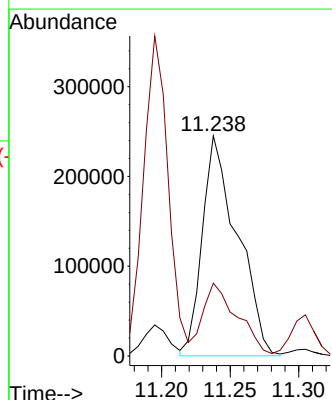
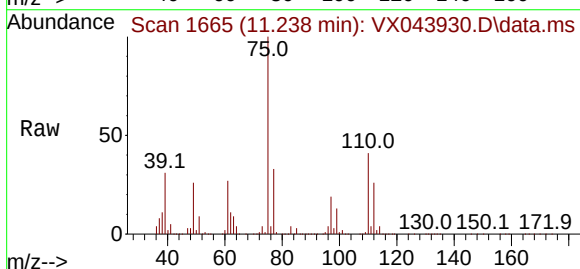
Acq: 21 Nov 2024 12:03

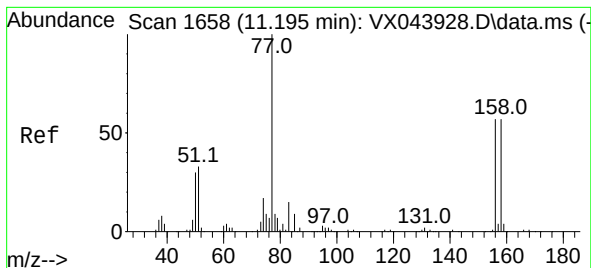
Tgt Ion: 75 Resp: 436650

Ion Ratio Lower Upper

75 100

77 32.7 21.8 65.3





#77

Bromobenzene

Concen: 153.159 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

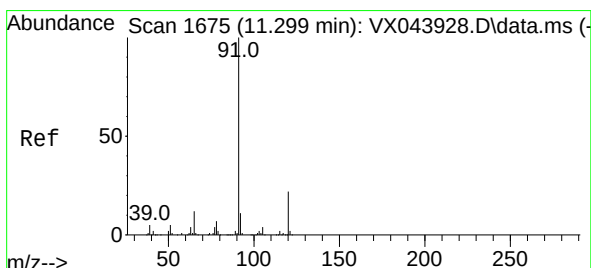
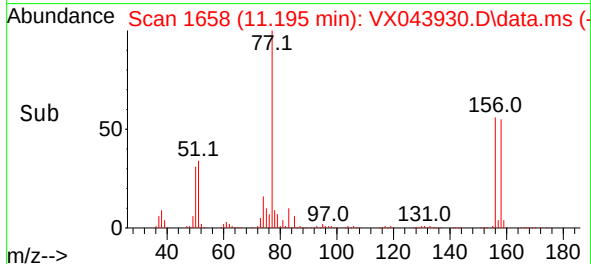
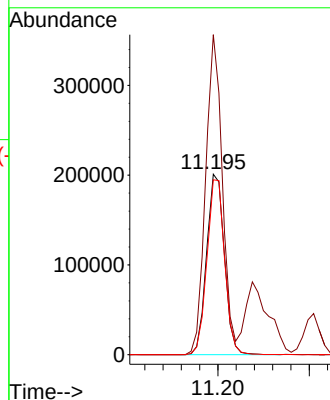
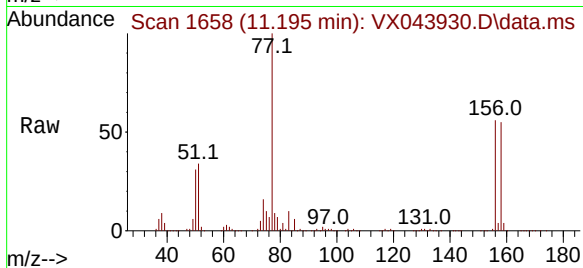
Tgt Ion:156 Resp: 270671

Ion Ratio Lower Upper

156 100

77 166.5 83.4 250.1

158 96.8 47.6 142.8



#78

n-propylbenzene

Concen: 156.752 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043930.D

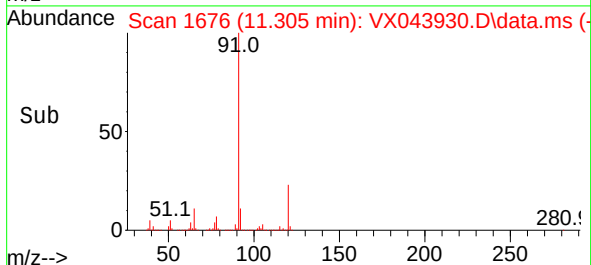
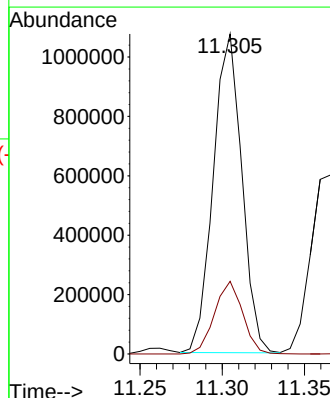
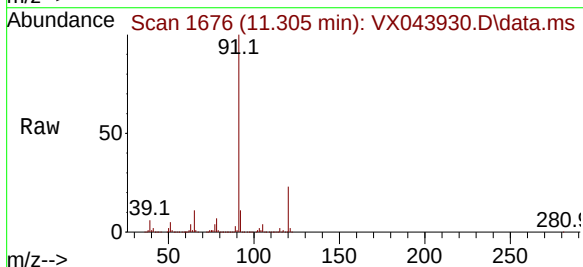
Acq: 21 Nov 2024 12:03

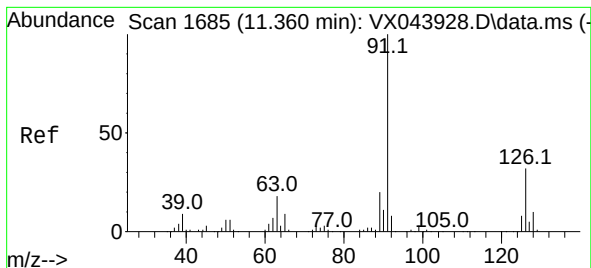
Tgt Ion: 91 Resp: 1296979

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4





#79

2-Chlorotoluene

Concen: 150.642 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

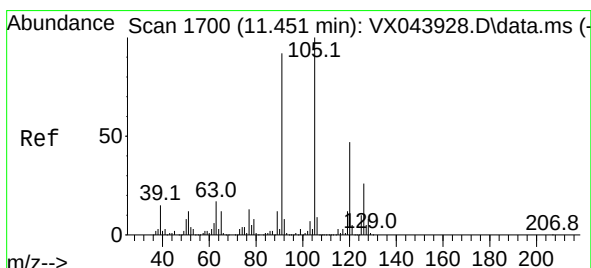
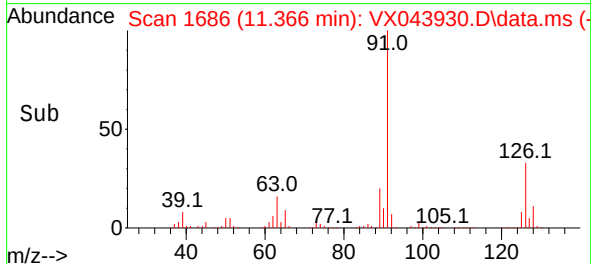
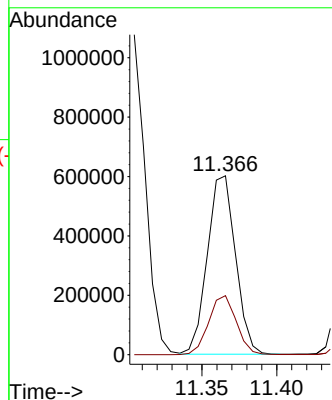
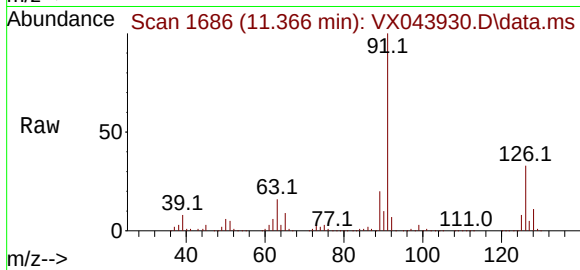
VSTDICC150

Tgt Ion: 91 Resp: 788163

Ion Ratio Lower Upper

91 100

126 32.5 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 153.592 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043930.D

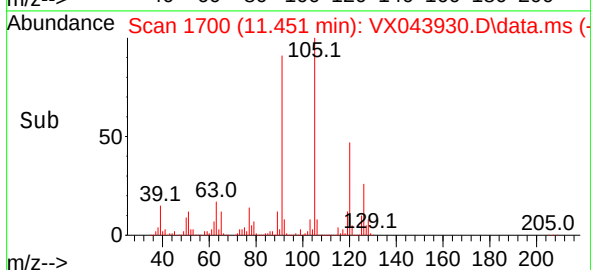
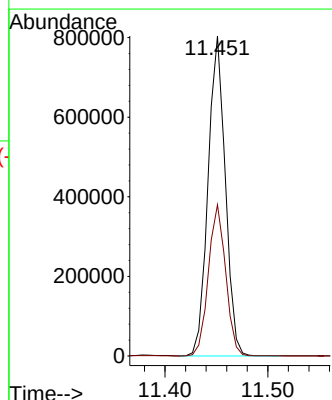
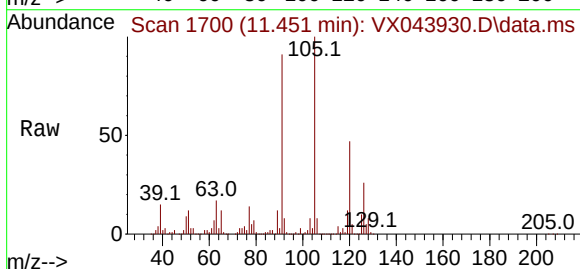
Acq: 21 Nov 2024 12:03

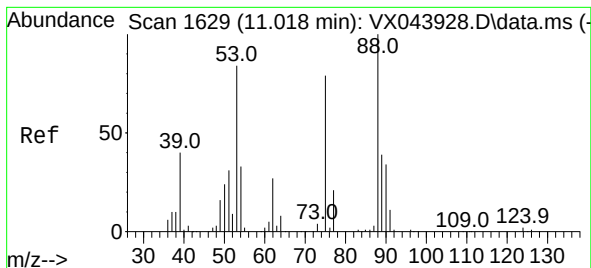
Tgt Ion:105 Resp: 936129

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.8

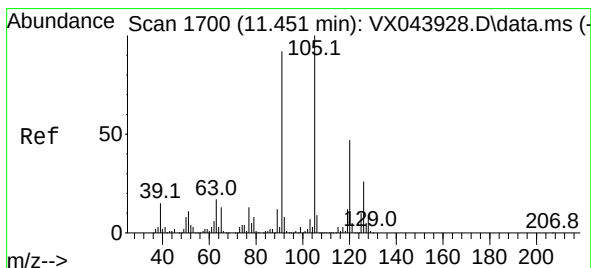
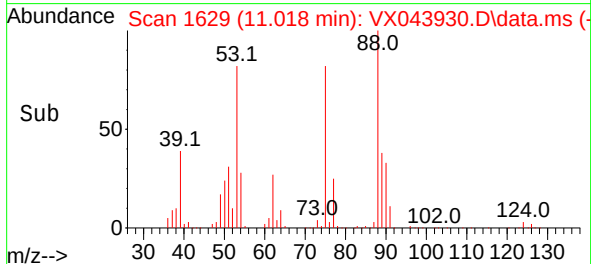
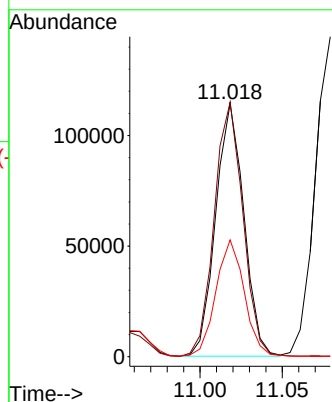
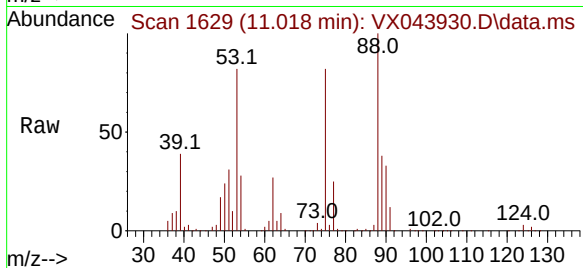




#81  
trans-1,4-Dichloro-2-butene  
Concen: 175.724 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

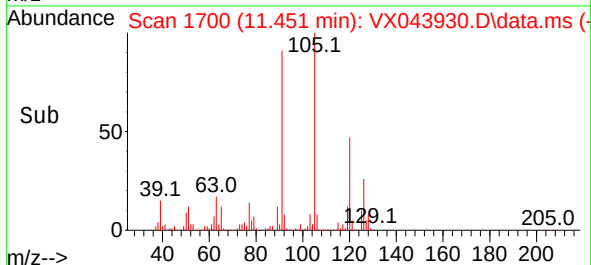
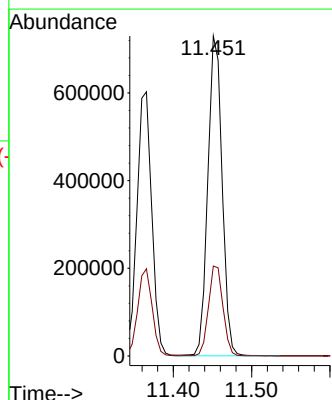
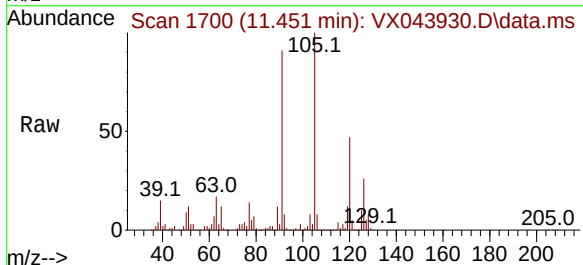
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

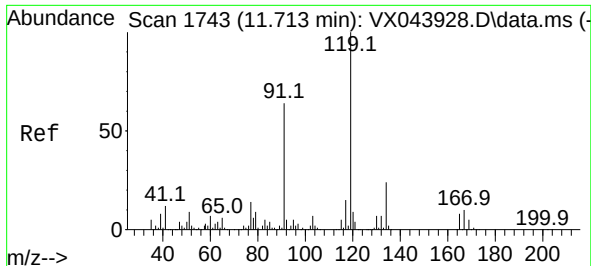
Tgt Ion: 75 Resp: 136104  
Ion Ratio Lower Upper  
75 100  
53 103.1 86.7 130.1  
89 47.0 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 155.679 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion: 91 Resp: 919566  
Ion Ratio Lower Upper  
91 100  
126 28.6 14.3 42.9

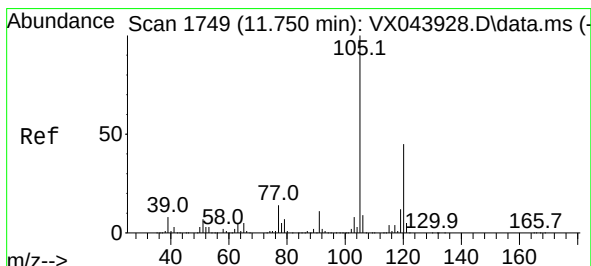
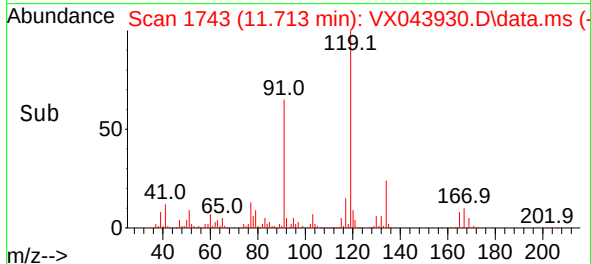
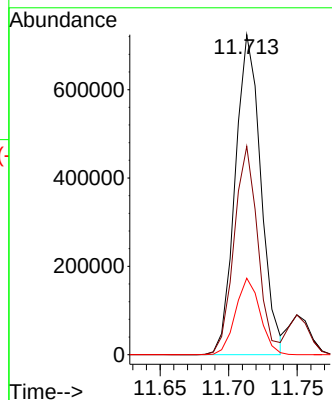
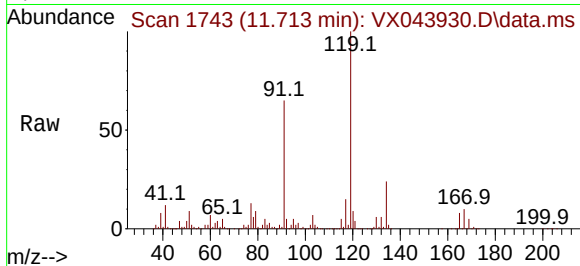




#83  
tert-Butylbenzene  
Concen: 156.438 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

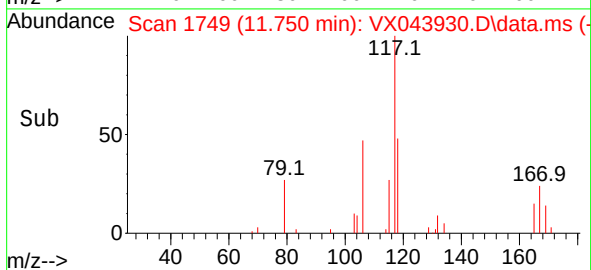
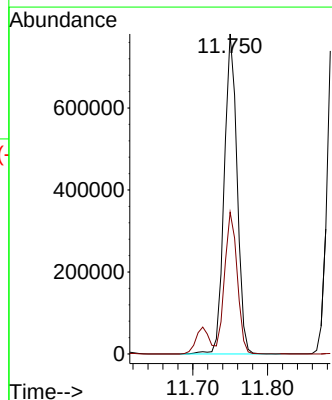
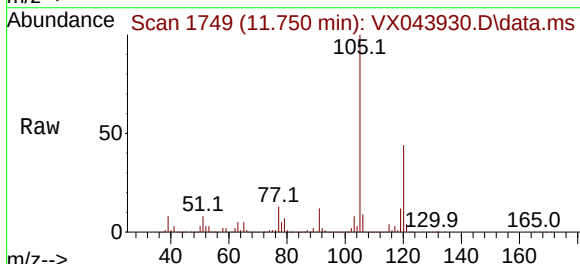
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

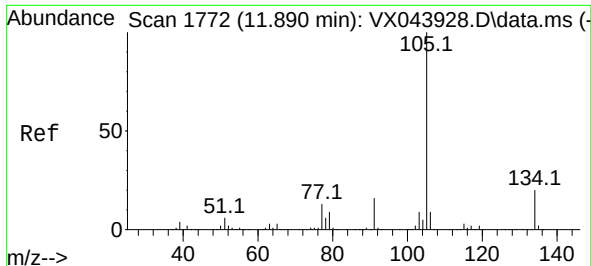
Tgt Ion:119 Resp: 945058  
Ion Ratio Lower Upper  
119 100  
91 60.6 31.0 93.0  
134 22.9 11.6 34.8



#84  
1,2,4-Trimethylbenzene  
Concen: 153.802 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion:105 Resp: 933275  
Ion Ratio Lower Upper  
105 100  
120 43.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 155.218 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

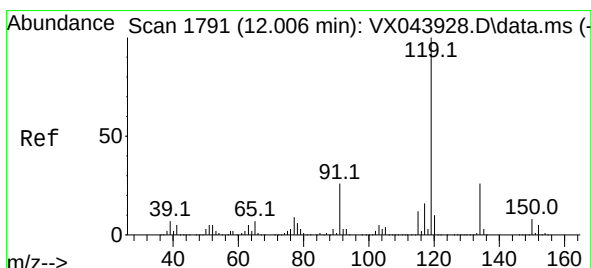
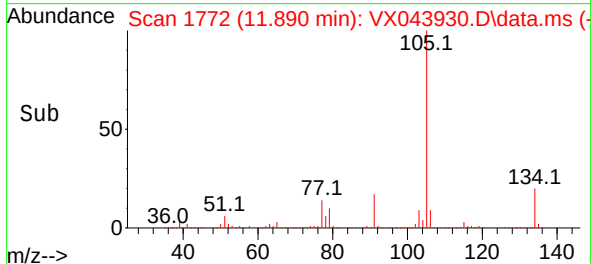
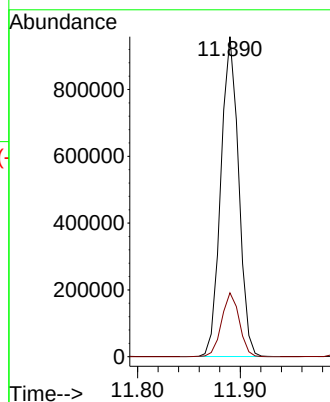
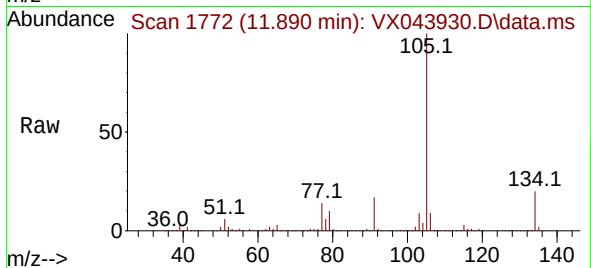
VSTDIC150

Tgt Ion:105 Resp: 1148877

Ion Ratio Lower Upper

105 100

134 19.9 9.7 29.1



#86

p-Isopropyltoluene

Concen: 161.670 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

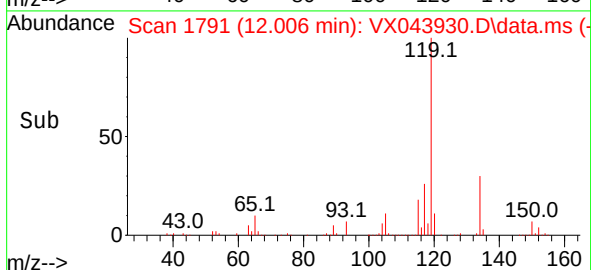
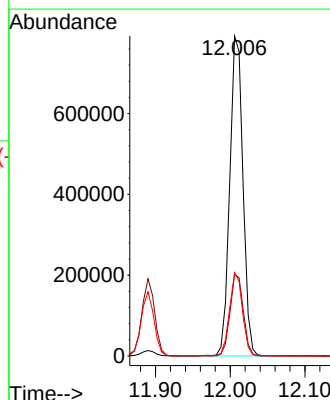
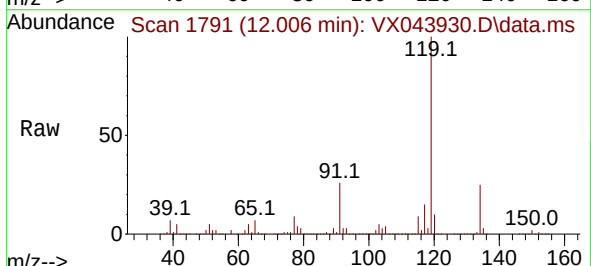
Tgt Ion:119 Resp: 972007

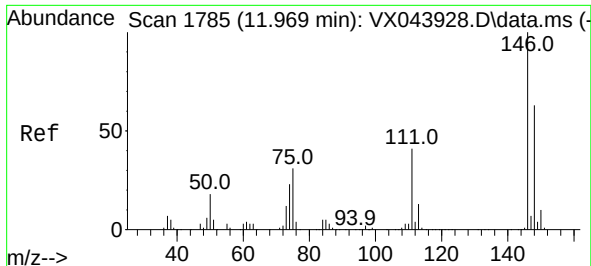
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 25.4 13.0 38.9

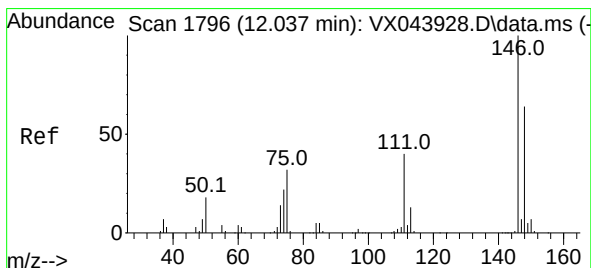
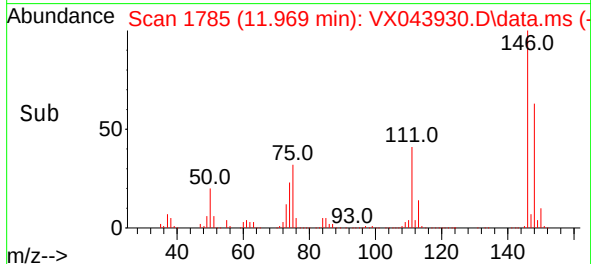
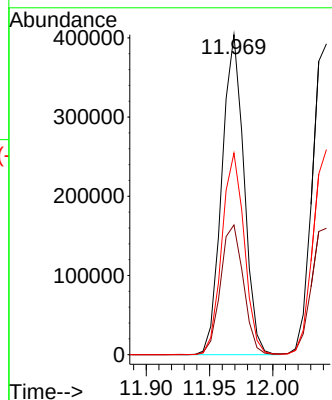
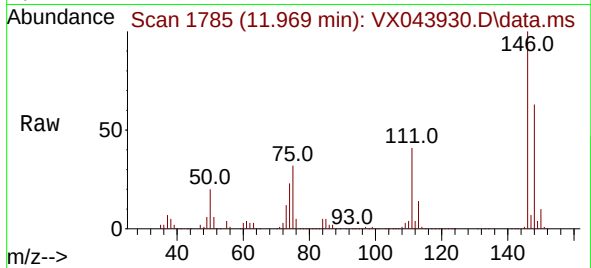




#87  
1,3-Dichlorobenzene  
Concen: 152.338 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

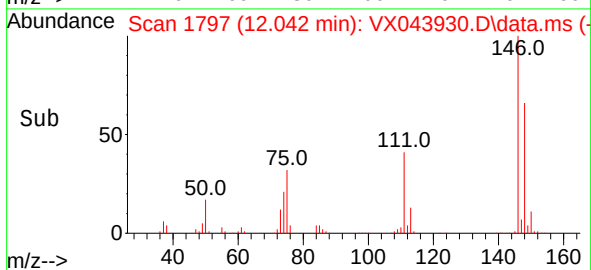
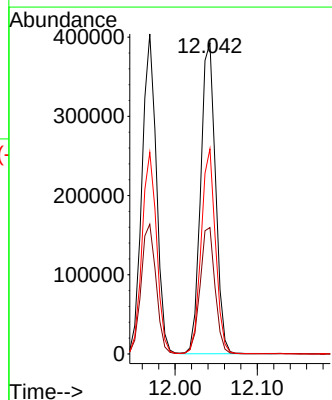
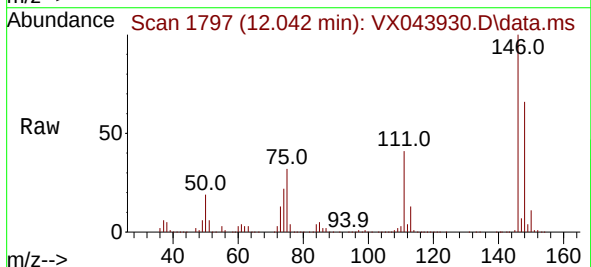
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDIC150

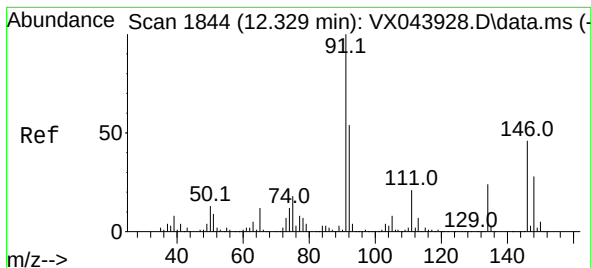
Tgt Ion:146 Resp: 490336  
Ion Ratio Lower Upper  
146 100  
111 42.2 21.1 63.3  
148 63.8 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 151.224 ug/l  
RT: 12.042 min Scan# 1797  
Delta R.T. 0.006 min  
Lab File: VX043930.D  
Acq: 21 Nov 2024 12:03

Tgt Ion:146 Resp: 494318  
Ion Ratio Lower Upper  
146 100  
111 40.8 20.1 60.3  
148 63.5 30.9 92.8





#89

n-Butylbenzene

Concen: 170.502 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

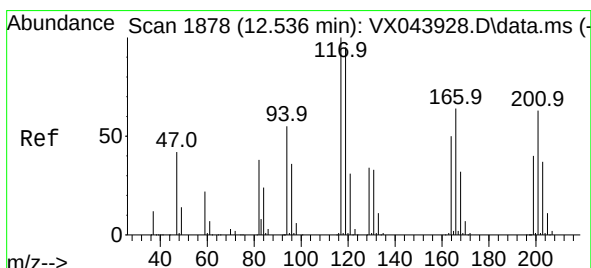
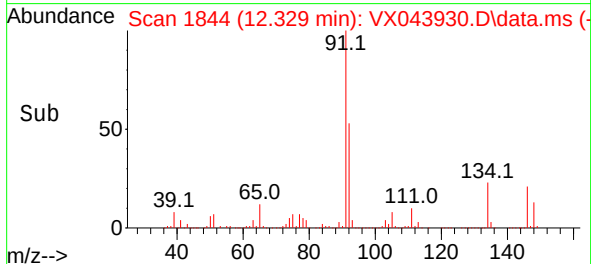
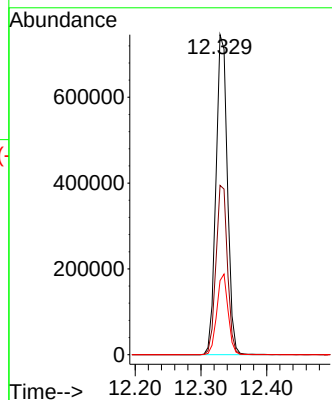
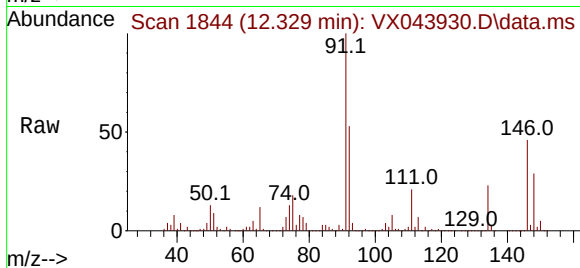
Tgt Ion: 91 Resp: 903805

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.8

134 24.8 12.4 37.2



#90

Hexachloroethane

Concen: 176.628 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043930.D

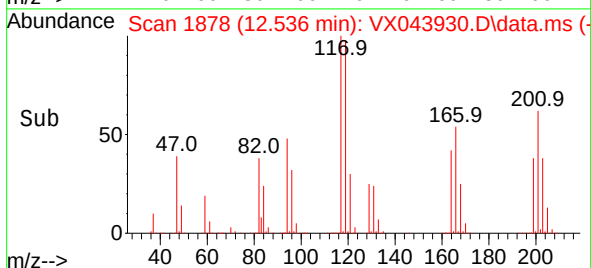
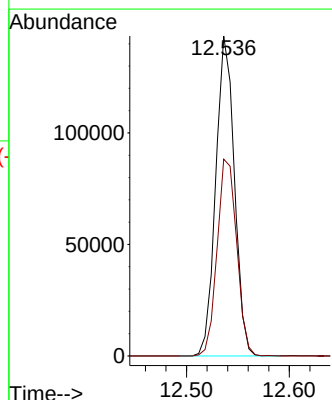
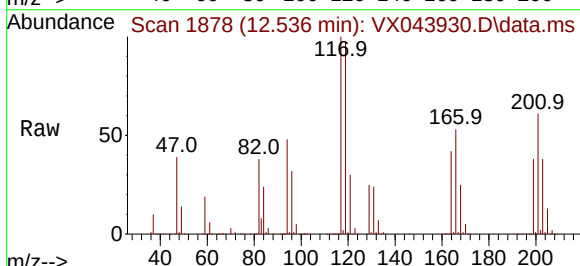
Acq: 21 Nov 2024 12:03

Tgt Ion: 117 Resp: 180575

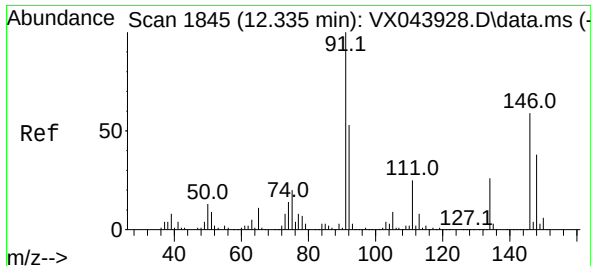
Ion Ratio Lower Upper

117 100

201 64.6 32.4 97.0







#91

1,2-Dichlorobenzene

Concen: 154.918 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

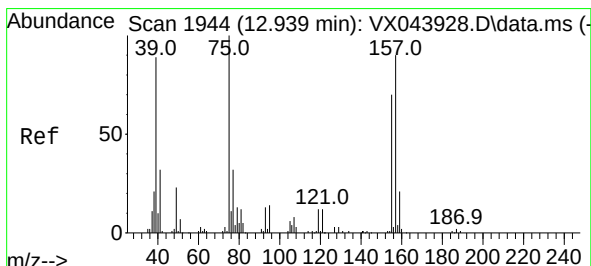
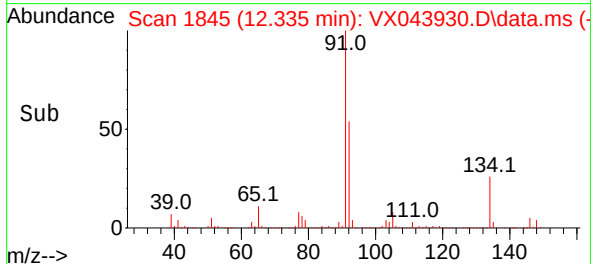
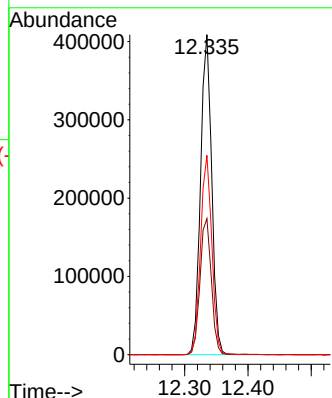
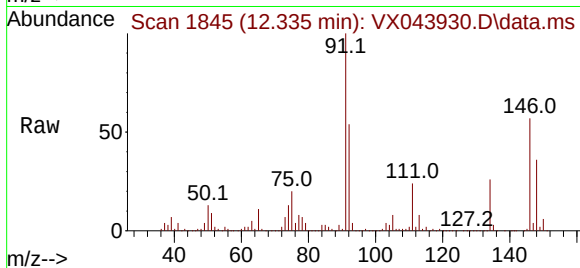
Tgt Ion:146 Resp: 503214

Ion Ratio Lower Upper

146 100

111 43.3 21.5 64.5

148 62.6 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 173.059 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

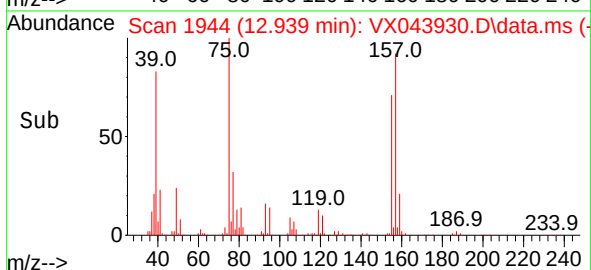
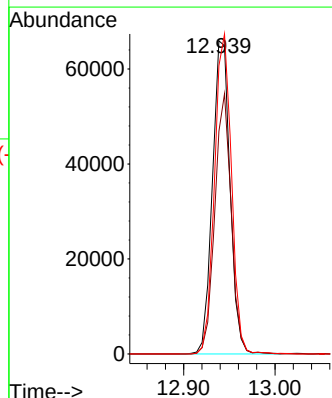
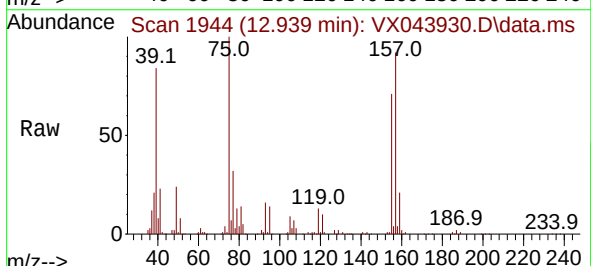
Tgt Ion: 75 Resp: 87963

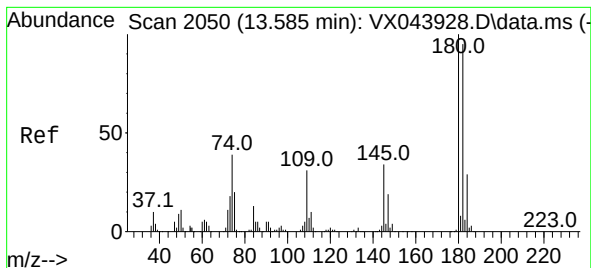
Ion Ratio Lower Upper

75 100

155 77.7 40.1 120.2

157 98.7 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 169.860 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDIC150

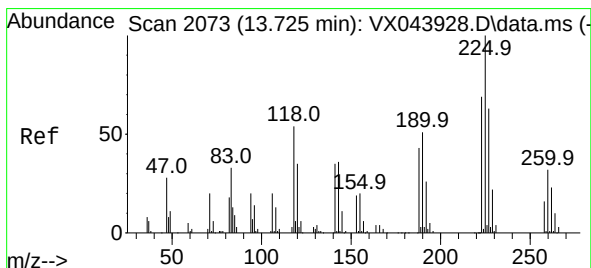
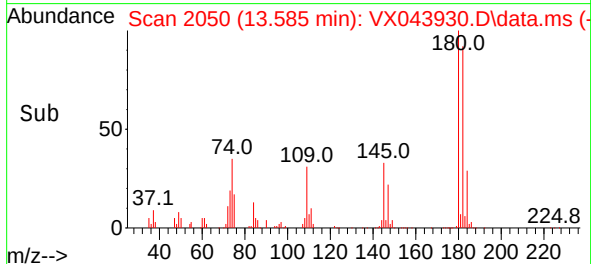
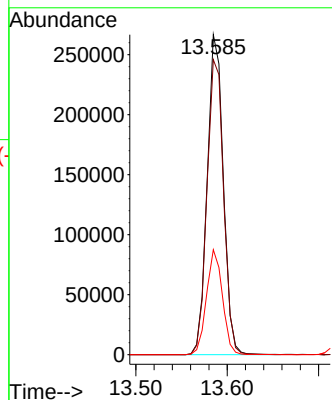
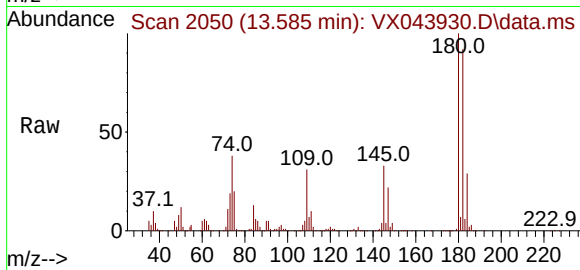
Tgt Ion:180 Resp: 325289

Ion Ratio Lower Upper

180 100

182 95.1 48.0 144.2

145 32.5 16.8 50.4



#94

Hexachlorobutadiene

Concen: 160.037 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

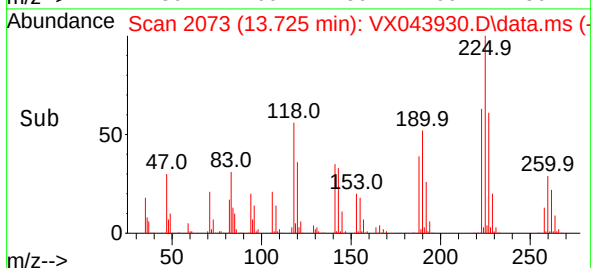
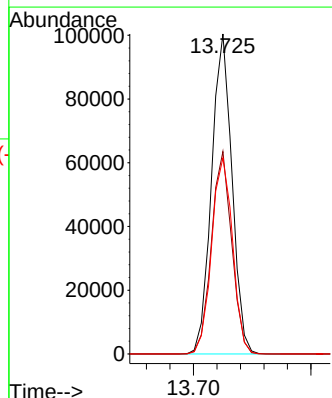
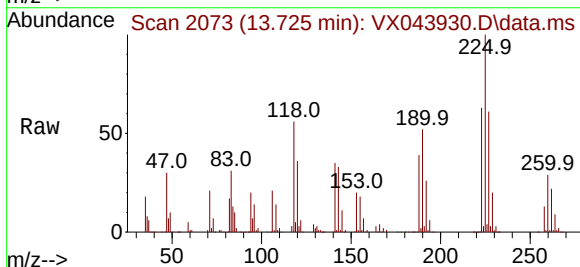
Tgt Ion:225 Resp: 121126

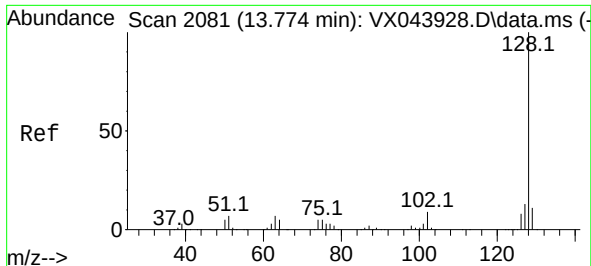
Ion Ratio Lower Upper

225 100

223 63.0 32.9 98.6

227 62.8 31.6 94.8





#95

Naphthalene

Concen: 170.179 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

Instrument :

MSVOA\_X

ClientSampleId :

VSTDICC150

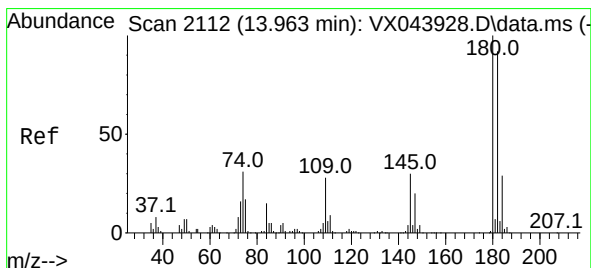
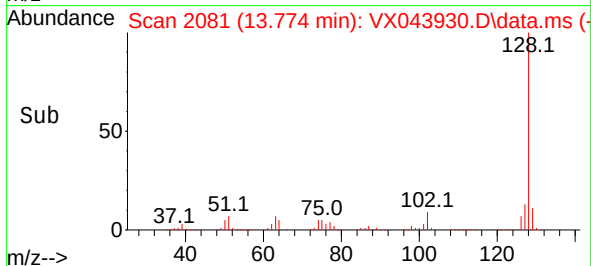
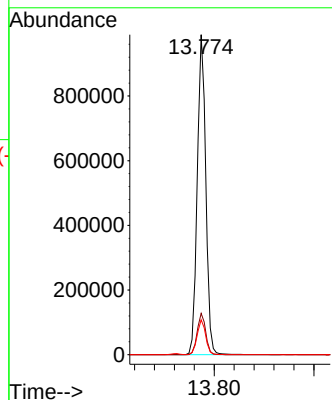
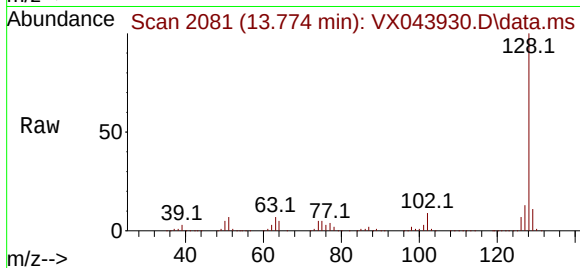
Tgt Ion:128 Resp: 1173154

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 168.544 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043930.D

Acq: 21 Nov 2024 12:03

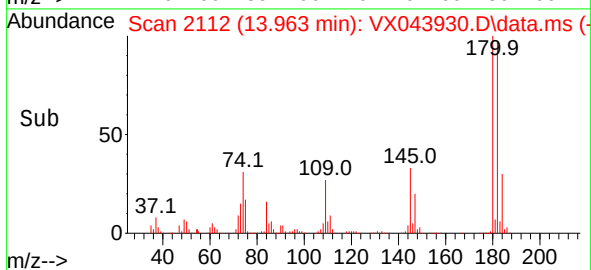
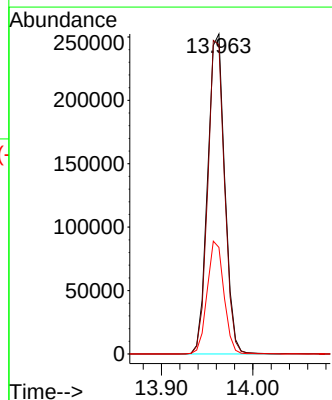
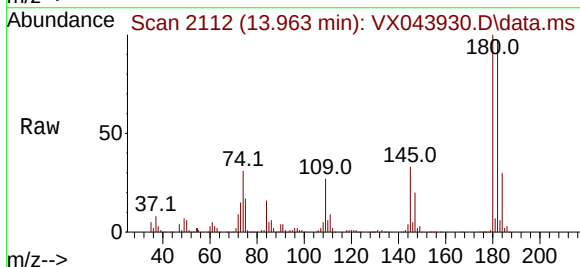
Tgt Ion:180 Resp: 326693

Ion Ratio Lower Upper

180 100

182 96.5 45.6 136.8

145 34.6 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 131073   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 229009   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 198776   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 96489    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 112818   | 50.183   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 100.360% |      |
| 35) Dibromofluoromethane    | 5.379  | 113   | 85815    | 52.442   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 104.880% |      |
| 50) Toluene-d8              | 8.647  | 98    | 289000   | 51.234   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 102.460% |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 103640   | 53.987   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 107.980% |      |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 83916   | 50.537  | ug/l   | 99  |
| 3) Chloromethane             | 1.295 | 50  | 85795   | 49.100  | ug/l   | 98  |
| 4) Vinyl Chloride            | 1.374 | 62  | 93147   | 50.118  | ug/l   | 97  |
| 5) Bromomethane              | 1.593 | 94  | 53783   | 47.040  | ug/l   | 100 |
| 6) Chloroethane              | 1.660 | 64  | 46342   | 40.921  | ug/l   | 100 |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 177461  | 53.407  | ug/l   | 99  |
| 8) Diethyl Ether             | 2.130 | 74  | 57339   | 47.345  | ug/l   | 100 |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 80458   | 50.762  | ug/l   | 98  |
| 10) Methyl Iodide            | 2.441 | 142 | 96234   | 48.614  | ug/l   | 100 |
| 11) Tert butyl alcohol       | 2.995 | 59  | 85927   | 238.127 | ug/l   | 99  |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 72787   | 48.192  | ug/l   | 99  |
| 13) Acrolein                 | 2.233 | 56  | 89571   | 235.500 | ug/l   | 98  |
| 14) Allyl chloride           | 2.654 | 41  | 127367  | 51.610  | ug/l   | 99  |
| 15) Acrylonitrile            | 3.063 | 53  | 227832  | 259.090 | ug/l   | 99  |
| 16) Acetone                  | 2.386 | 43  | 257802  | 249.676 | ug/l   | 99  |
| 17) Carbon Disulfide         | 2.496 | 76  | 153826  | 49.375  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.703 | 43  | 121774  | 50.643  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 275221  | 50.186  | ug/l   | 98  |
| 20) Methylene Chloride       | 2.782 | 84  | 82274   | 46.954  | ug/l   | 98  |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 76687   | 49.179  | ug/l   | 97  |
| 22) Diisopropyl ether        | 3.758 | 45  | 264554  | 50.132  | ug/l   | 96  |
| 23) Vinyl Acetate            | 3.715 | 43  | 1189244 | 263.441 | ug/l   | 100 |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 153635  | 50.466  | ug/l   | 98  |
| 25) 2-Butanone               | 4.556 | 43  | 348803  | 261.804 | ug/l   | 98  |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 143910  | 52.343  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 95076   | 49.326  | ug/l   | 99  |
| 28) Bromochloromethane       | 4.891 | 49  | 62874   | 46.920  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 207942  | 254.585 | ug/l   | 100 |
| 30) Chloroform               | 5.080 | 83  | 163357  | 49.891  | ug/l   | 98  |
| 31) Cyclohexane              | 5.458 | 56  | 128482  | 51.278  | ug/l   | 97  |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 144908  | 51.320  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 5.678 | 75  | 108518  | 53.218  | ug/l   | 97  |
| 37) Ethyl Acetate            | 4.709 | 43  | 133283  | 52.656  | ug/l   | 97  |
| 38) Carbon Tetrachloride     | 5.660 | 117 | 118655  | 51.786  | ug/l   | 99  |
| 39) Methylcyclohexane        | 7.373 | 83  | 141696  | 53.489  | ug/l   | 93  |
| 40) Benzene                  | 6.025 | 78  | 319222  | 50.257  | ug/l   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
 Data File : VX043932.D  
 Acq On : 21 Nov 2024 13:57  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX112124

Quant Time: Nov 22 03:54:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 69766    | 53.851  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 128623   | 50.421  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 207332   | 51.469  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 80113    | 44.554  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.422  | 63   | 74380    | 47.811  | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 62345    | 50.662  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 116199   | 52.648  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 101062   | 52.284  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31178    | 905.506 | ug/l # | 86       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 652721   | 265.520 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 195814   | 51.507  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 119461   | 53.077  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 128808   | 52.205  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 78575    | 50.069  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 129841   | 53.118  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 134680   | 50.945  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 315358   | 235.230 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 504444   | 273.011 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 82754    | 52.557  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 83098    | 52.367  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 66054    | 50.396  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 209963   | 48.094  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 74354    | 52.515  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 377215   | 50.991  | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 282971   | 102.572 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 138437   | 51.396  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 230449   | 51.728  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 50837    | 47.449  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 365084   | 49.222  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 176627   | 51.406  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 125346   | 49.356  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 139865   | 66.099  | ug/l   | 83       |
| 77) Bromobenzene              | 11.195 | 156  | 85070    | 48.081  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 419586   | 50.652  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 249079   | 47.551  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 305922   | 50.134  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 38583    | 49.756  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 287717   | 48.652  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 303408   | 50.165  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 306251   | 50.410  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 372793   | 50.307  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 310060   | 51.511  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 153164   | 47.529  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 155422   | 47.306  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 276075   | 52.020  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 51229    | 50.050  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 154980   | 47.656  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 25968    | 51.030  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 94896    | 49.495  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 37937    | 50.065  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 357725   | 51.831  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 99447    | 51.246  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112124\  
Data File : VX043932.D  
Acq On : 21 Nov 2024 13:57  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

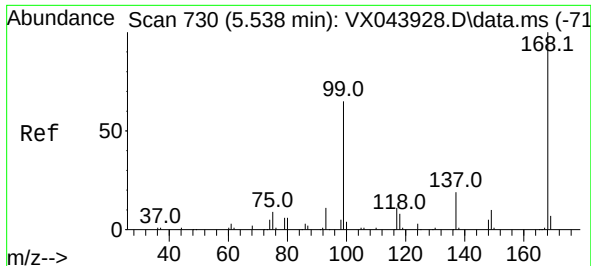
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

Quant Time: Nov 22 03:54:00 2024  
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Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

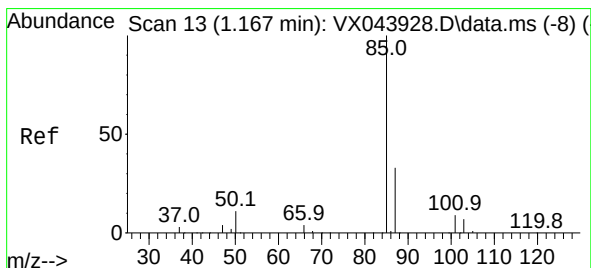
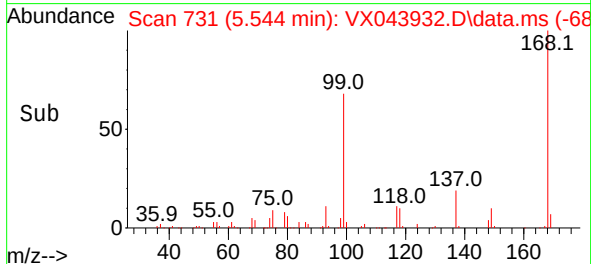
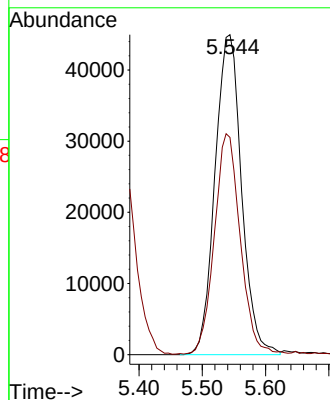
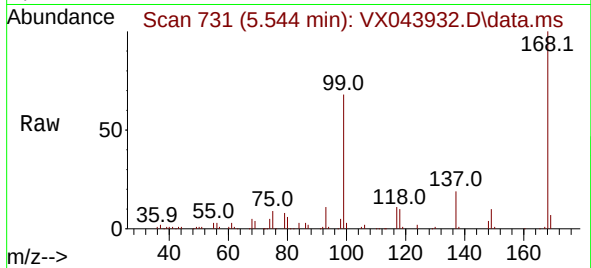




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

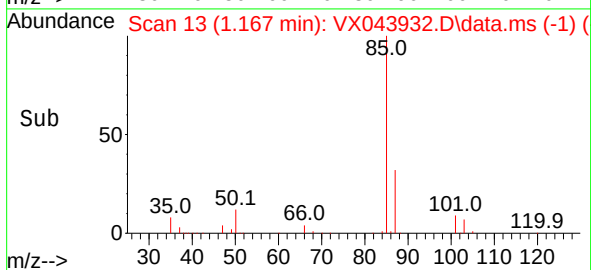
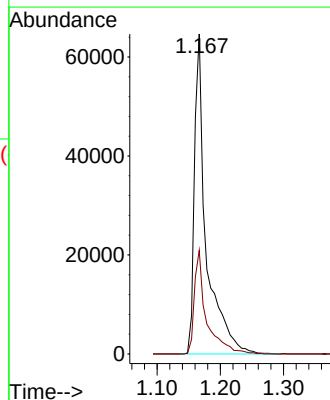
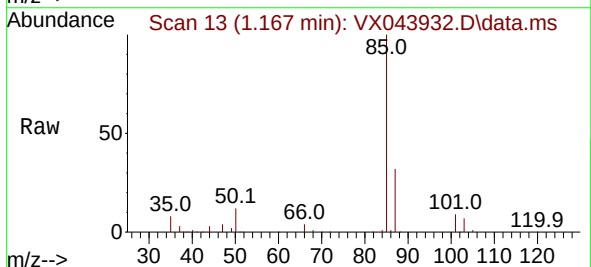
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

Tgt Ion:168 Resp: 131073  
Ion Ratio Lower Upper  
168 100  
99 67.5 51.8 77.8

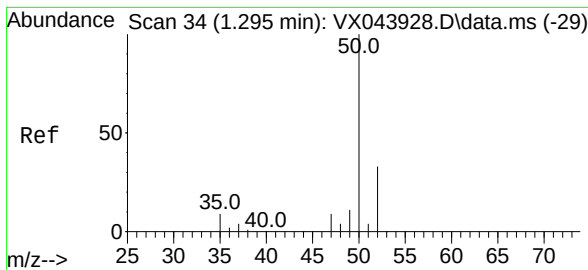


#2  
Dichlorodifluoromethane  
Concen: 50.537 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 85 Resp: 83916  
Ion Ratio Lower Upper  
85 100  
87 32.4 16.6 49.8







#3

Chloromethane

Concen: 49.100 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

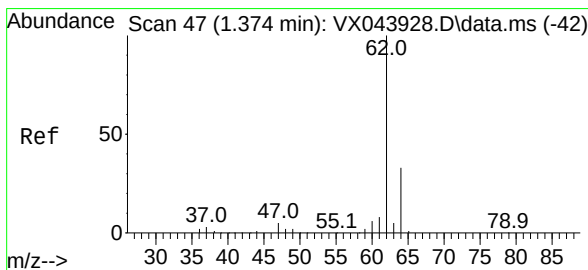
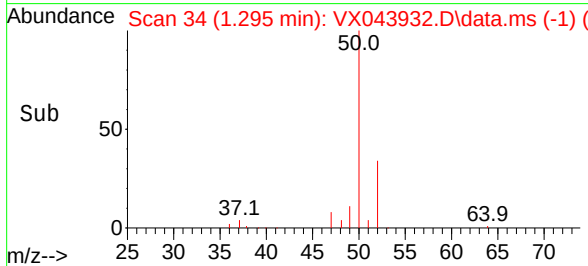
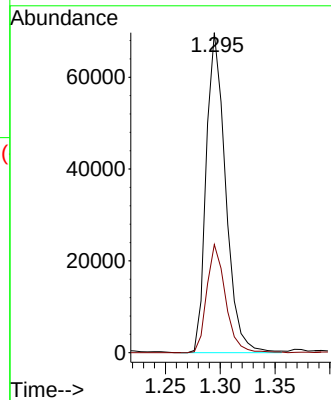
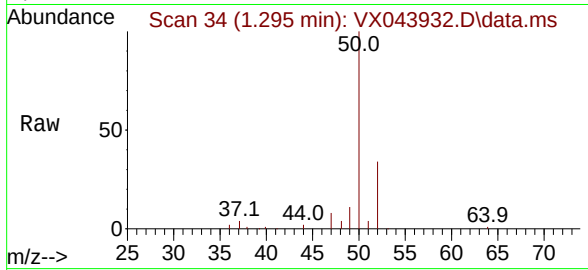
ICVX112124

Tgt Ion: 50 Resp: 85795

Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1



#4

Vinyl Chloride

Concen: 50.118 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043932.D

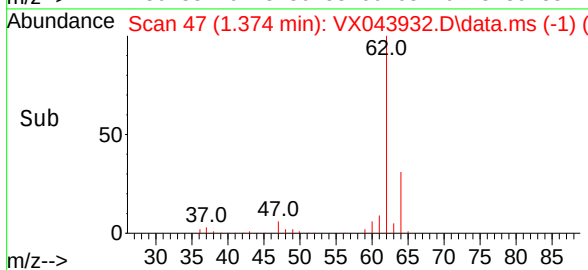
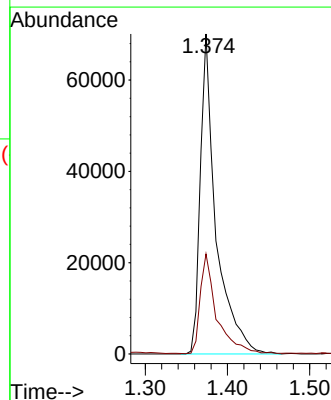
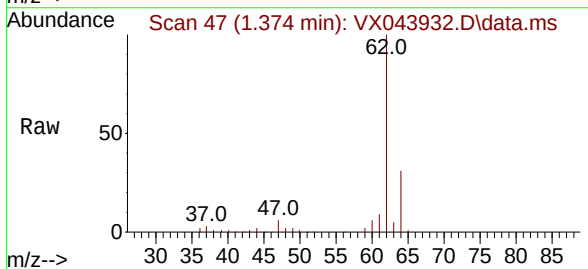
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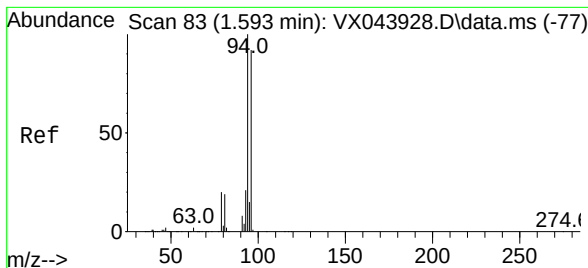
Tgt Ion: 62 Resp: 93147

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 47.040 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

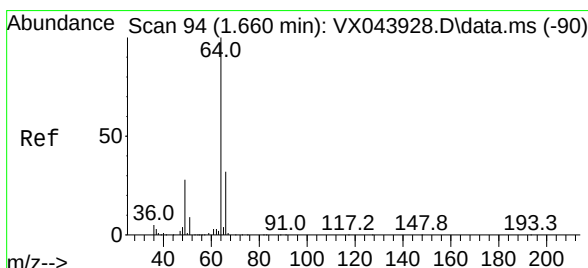
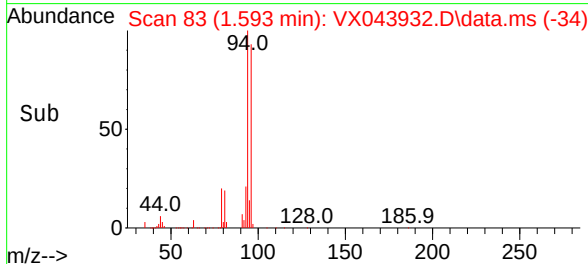
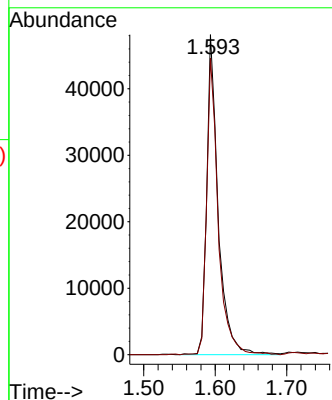
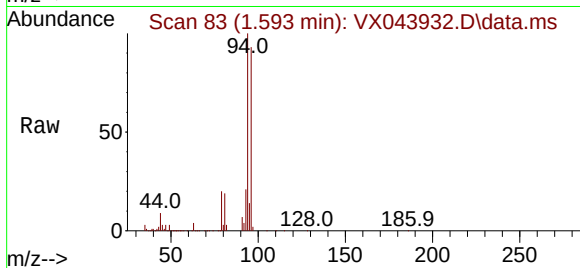
ICVX112124

Tgt Ion: 94 Resp: 53783

Ion Ratio Lower Upper

94 100

96 92.7 73.9 110.9



#6

Chloroethane

Concen: 40.921 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX043932.D

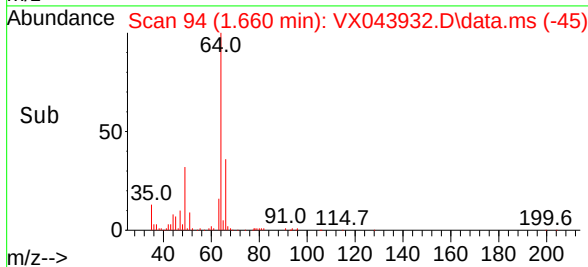
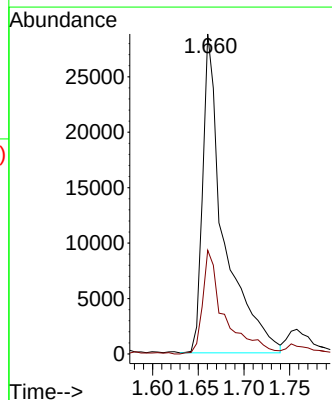
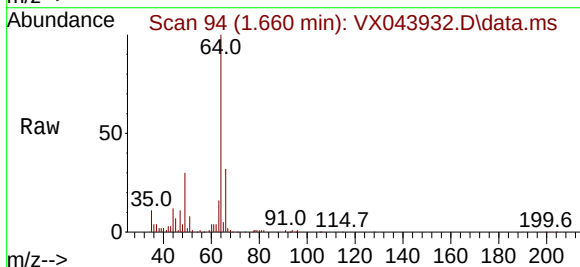
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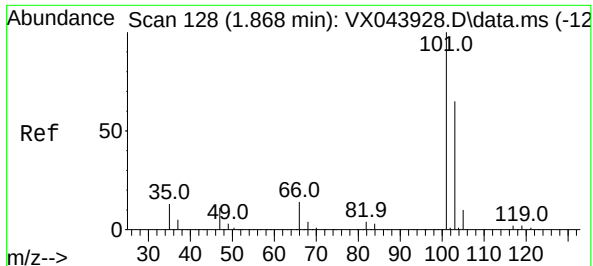
Tgt Ion: 64 Resp: 46342

Ion Ratio Lower Upper

64 100

66 32.5 25.9 38.9

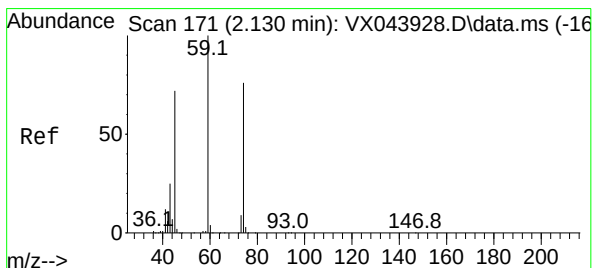
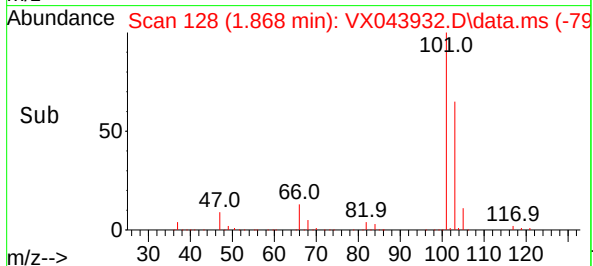
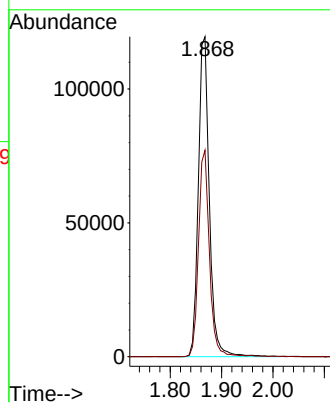
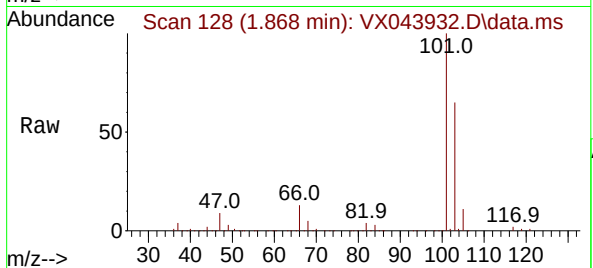




#7  
Trichlorofluoromethane  
Concen: 53.407 ug/l  
RT: 1.868 min Scan# 128  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

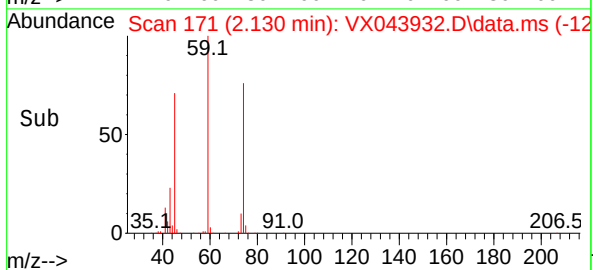
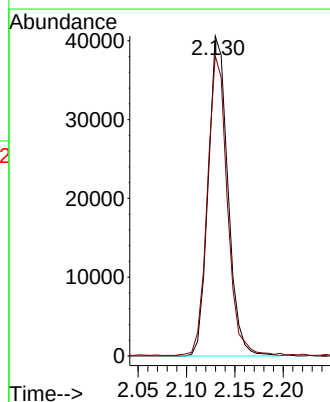
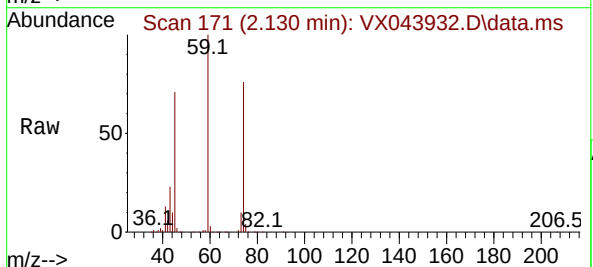
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ClientSampleId :  
ICVX112124

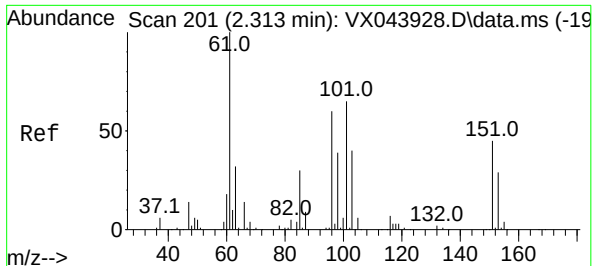
Tgt Ion:101 Resp: 177461  
Ion Ratio Lower Upper  
101 100  
103 64.5 52.2 78.2



#8  
Diethyl Ether  
Concen: 47.345 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 74 Resp: 57339  
Ion Ratio Lower Upper  
74 100  
45 95.6 47.9 143.6

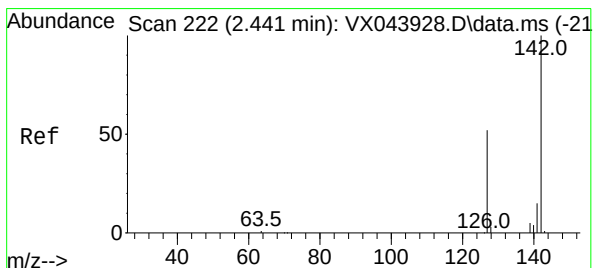
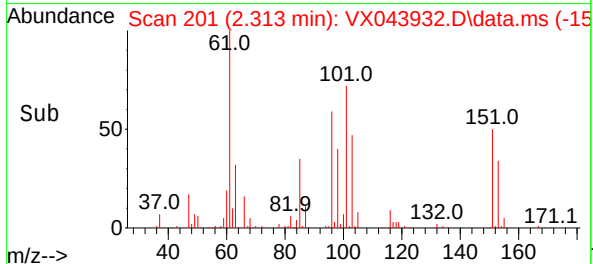
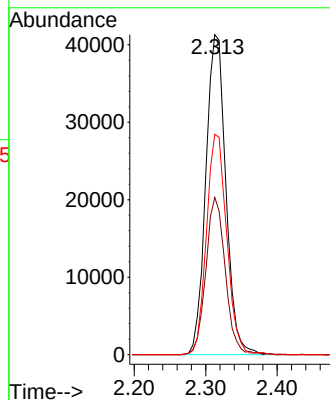
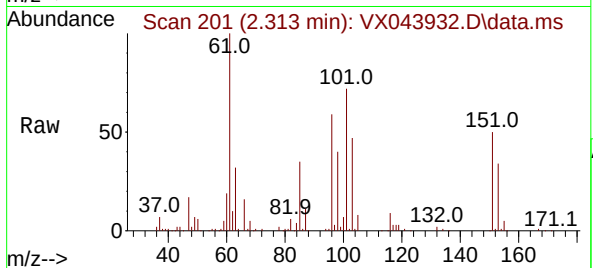




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 50.762 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

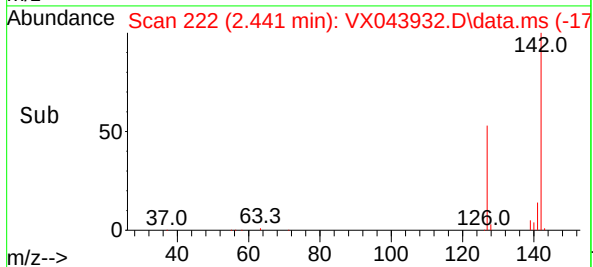
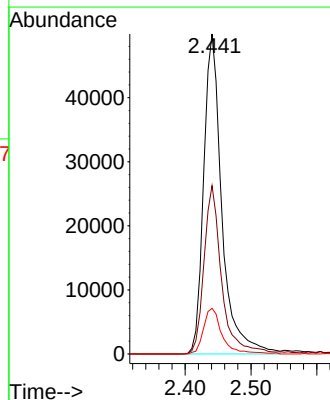
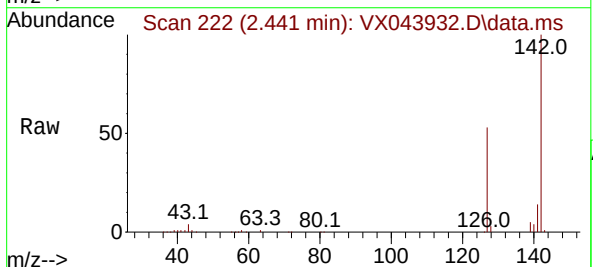
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MSVOA\_X  
ClientSampleId :  
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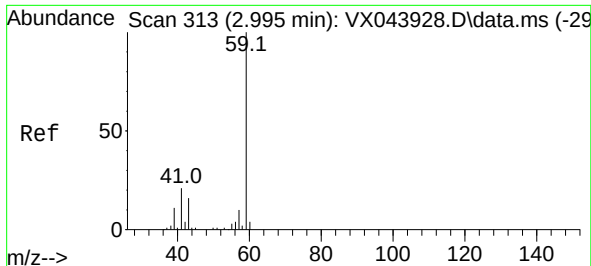
Tgt Ion:101 Resp: 80458  
Ion Ratio Lower Upper  
101 100  
85 47.7 37.9 56.9  
151 69.3 57.5 86.3



#10  
Methyl Iodide  
Concen: 48.614 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion:142 Resp: 96234  
Ion Ratio Lower Upper  
142 100  
127 50.9 40.7 61.1  
141 14.6 12.0 18.0

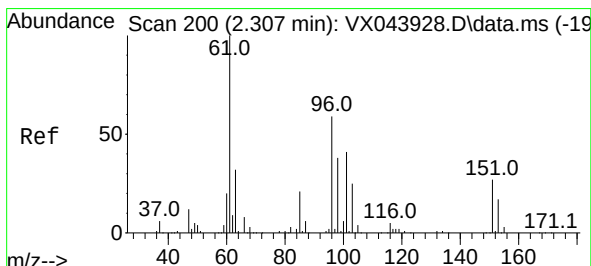
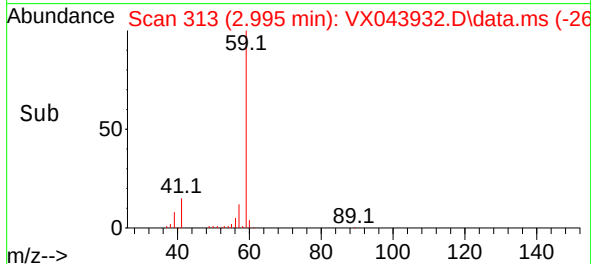
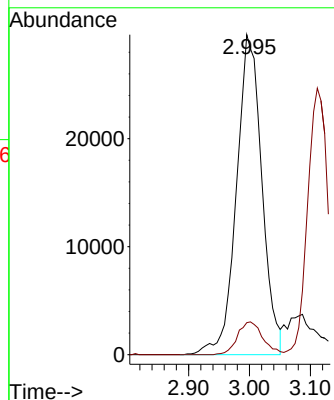
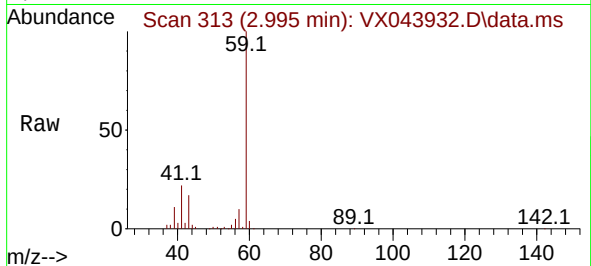




#11  
Tert butyl alcohol  
Concen: 238.127 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

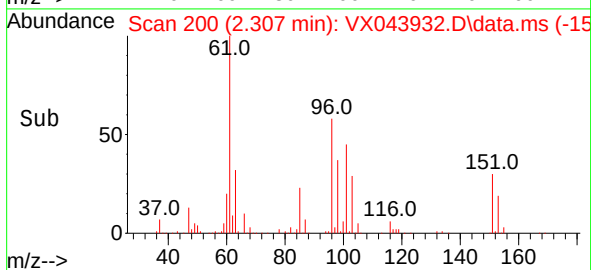
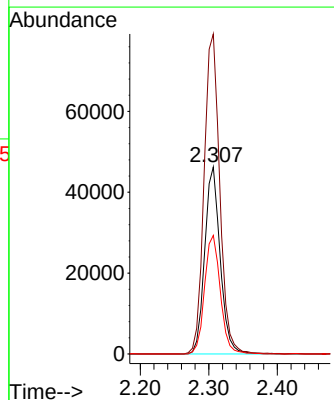
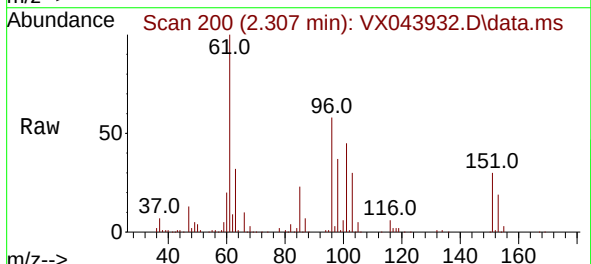
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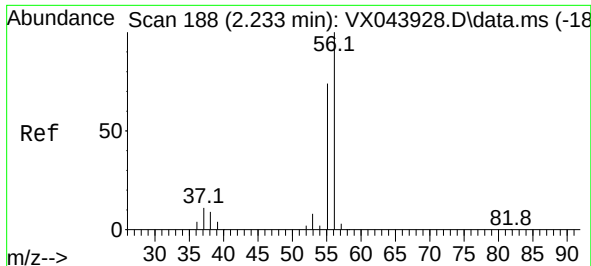
Tgt Ion: 59 Resp: 85927  
Ion Ratio Lower Upper  
59 100  
57 10.3 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 48.192 ug/l  
RT: 2.307 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 96 Resp: 72787  
Ion Ratio Lower Upper  
96 100  
61 171.1 135.5 203.3  
98 63.4 50.8 76.2

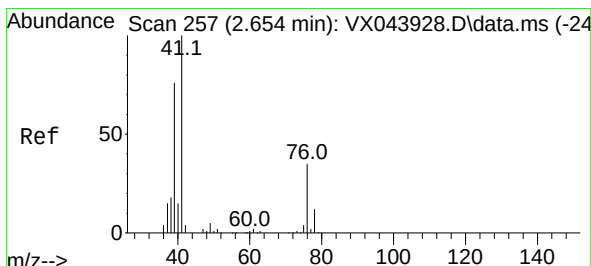
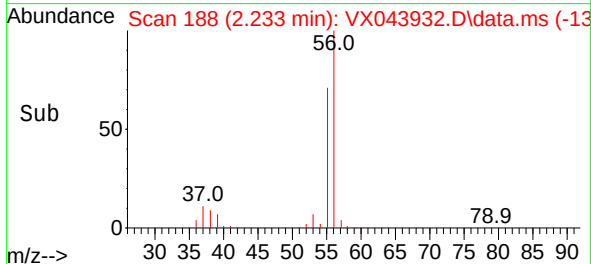
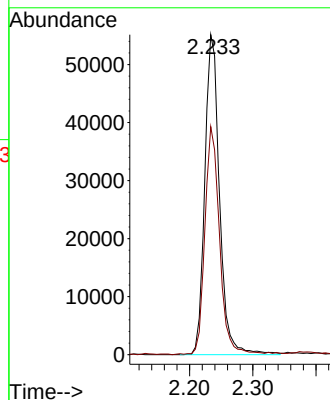
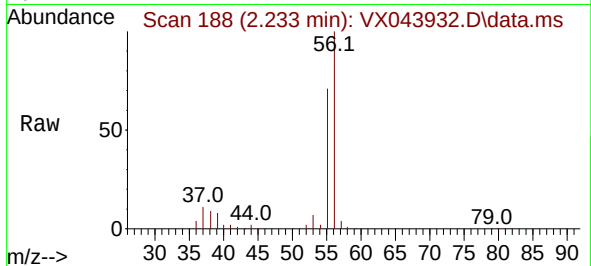




#13  
Acrolein  
Concen: 235.500 ug/l  
RT: 2.233 min Scan# 188  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

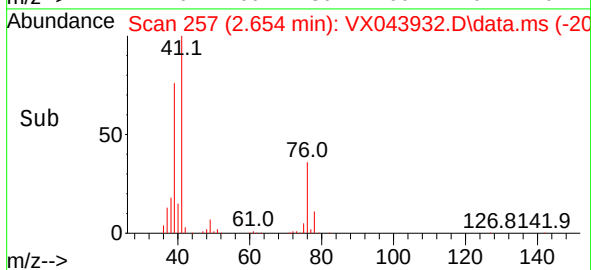
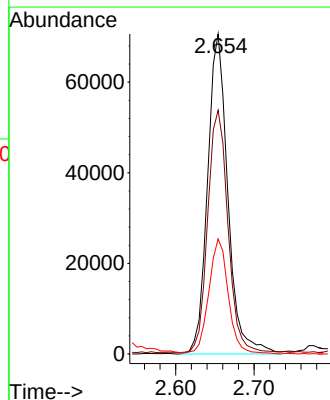
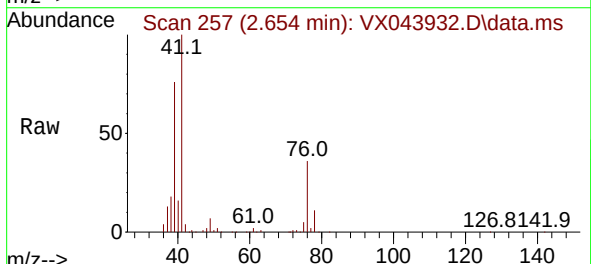
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

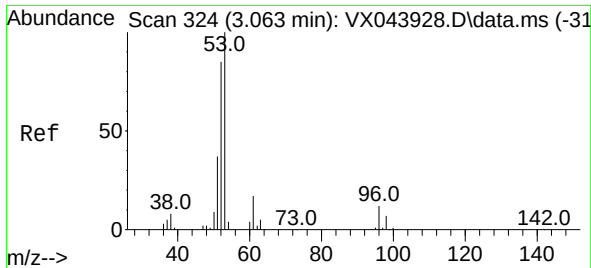
Tgt Ion: 56 Resp: 89571  
Ion Ratio Lower Upper  
56 100  
55 70.9 58.2 87.2



#14  
Allyl chloride  
Concen: 51.610 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 127367  
Ion Ratio Lower Upper  
41 100  
39 75.3 59.5 89.3  
76 34.5 27.4 41.2

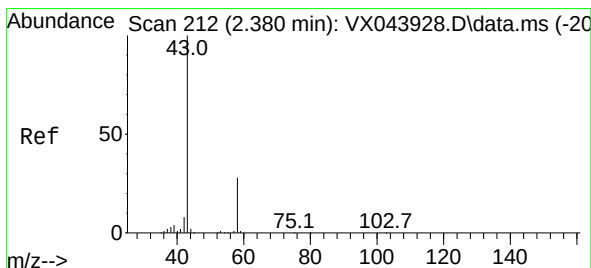
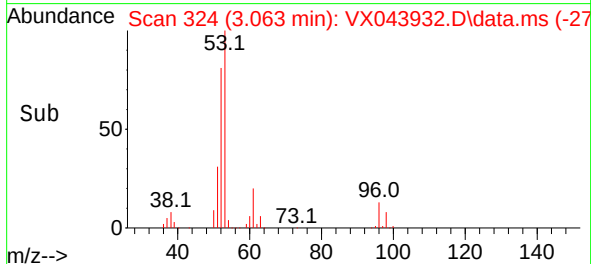
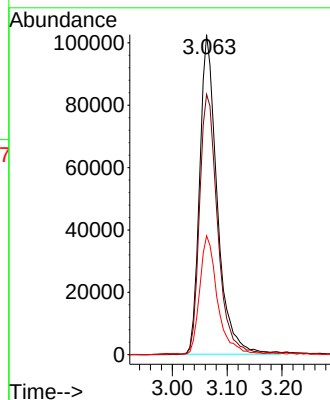
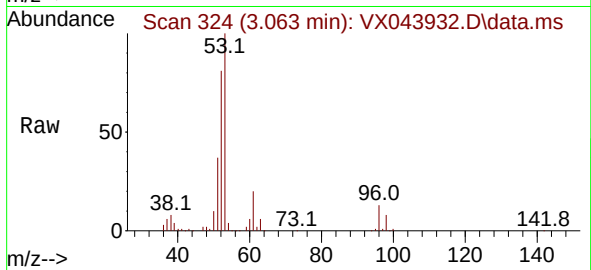




#15  
Acrylonitrile  
Concen: 259.090 ug/l  
RT: 3.063 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

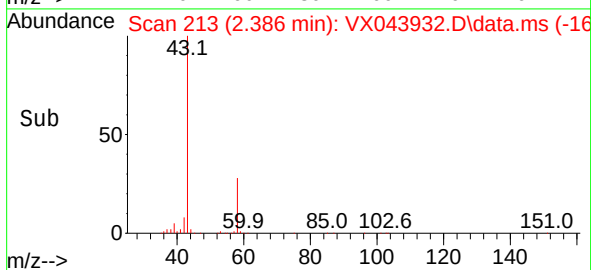
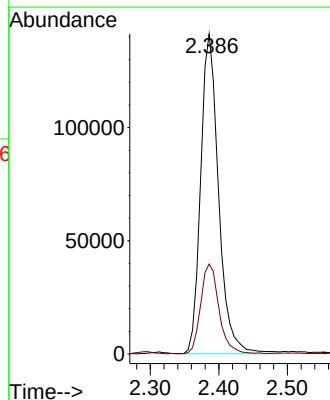
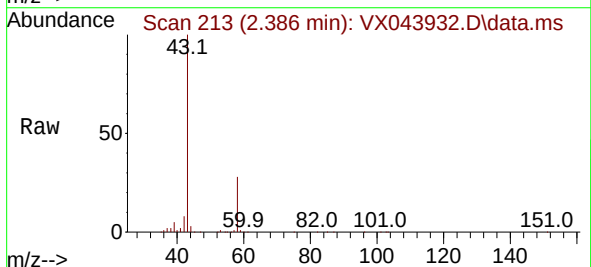
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

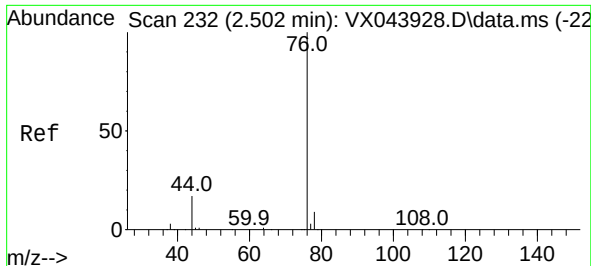
Tgt Ion: 53 Resp: 227832  
Ion Ratio Lower Upper  
53 100  
52 84.3 66.5 99.7  
51 37.2 30.2 45.4



#16  
Acetone  
Concen: 249.676 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 257802  
Ion Ratio Lower Upper  
43 100  
58 28.0 22.7 34.1





#17

Carbon Disulfide

Concen: 49.375 ug/l

RT: 2.496 min Scan# 24

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

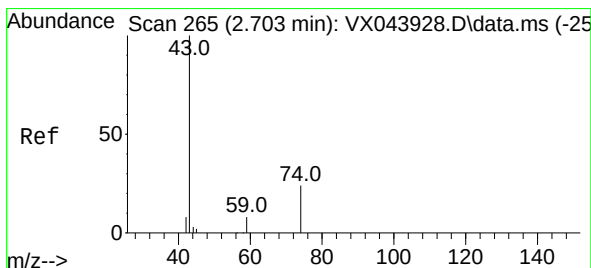
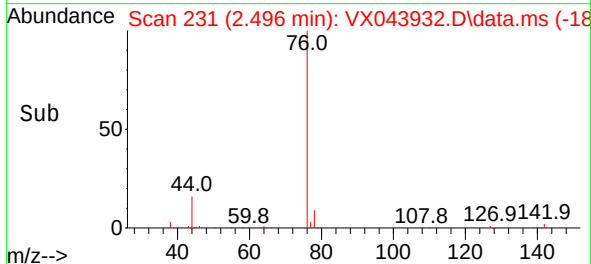
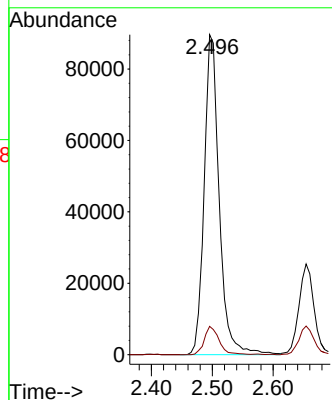
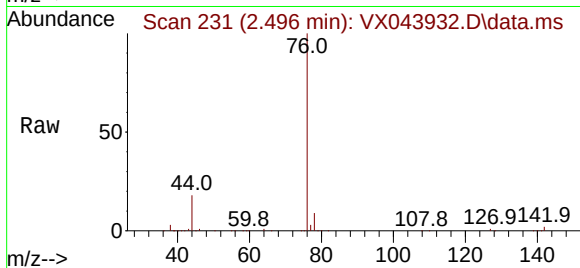
ICVVX112124

Tgt Ion: 76 Resp: 153826

Ion Ratio Lower Upper

76 100

78 8.9 7.0 10.6



#18

Methyl Acetate

Concen: 50.643 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043932.D

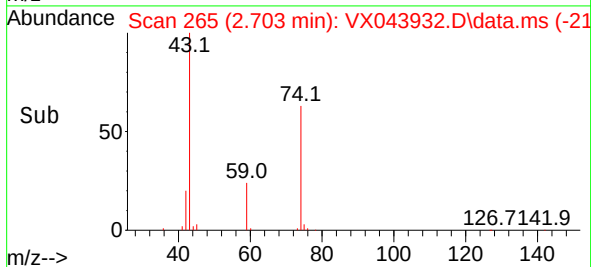
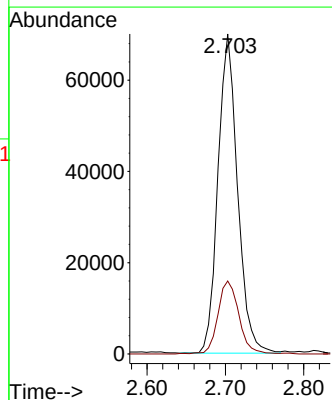
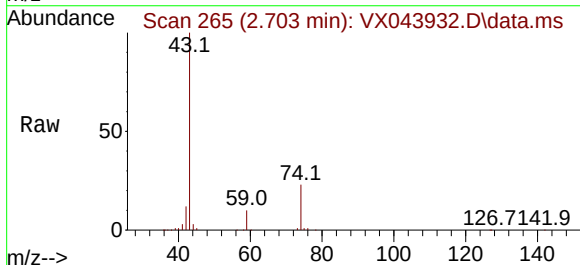
Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 121774

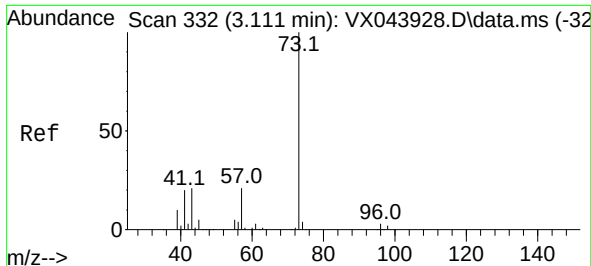
Ion Ratio Lower Upper

43 100

74 24.5 18.9 28.3







#19

Methyl tert-butyl Ether

Concen: 50.186 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

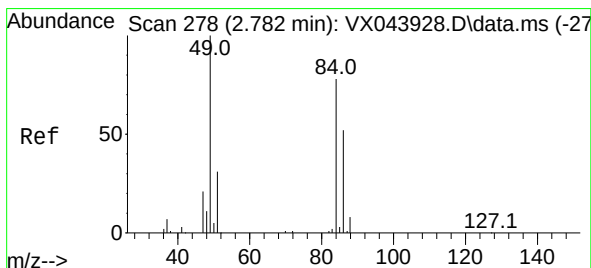
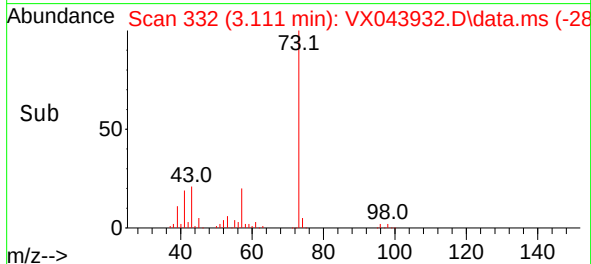
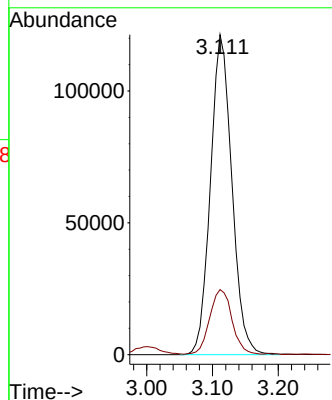
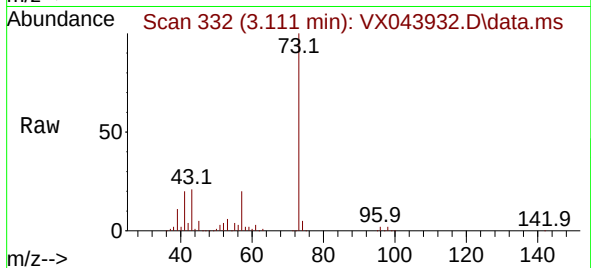
ICVVX112124

Tgt Ion: 73 Resp: 275221

Ion Ratio Lower Upper

73 100

57 20.2 17.0 25.6



#20

Methylene Chloride

Concen: 46.954 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 84 Resp: 82274

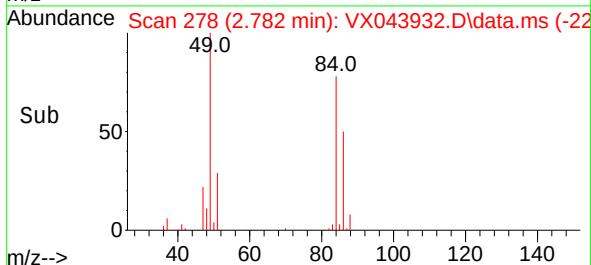
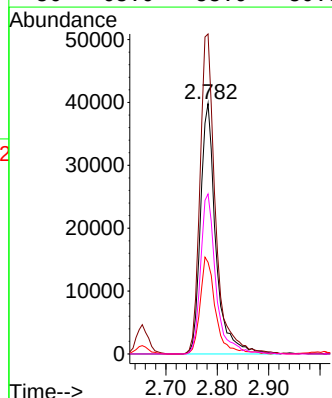
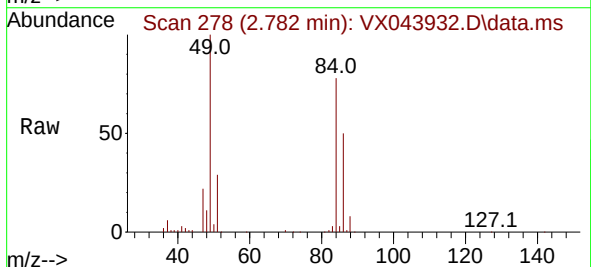
Ion Ratio Lower Upper

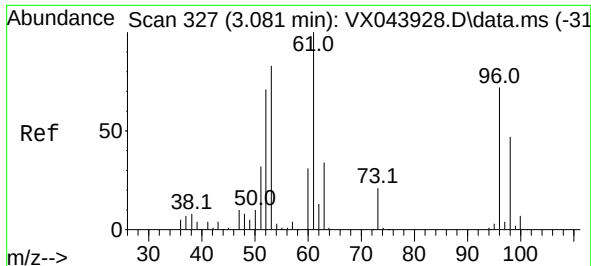
84 100

49 127.8 102.7 154.1

51 36.6 31.7 47.5

86 63.9 53.9 80.9

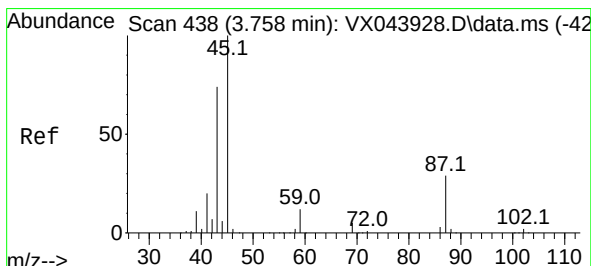
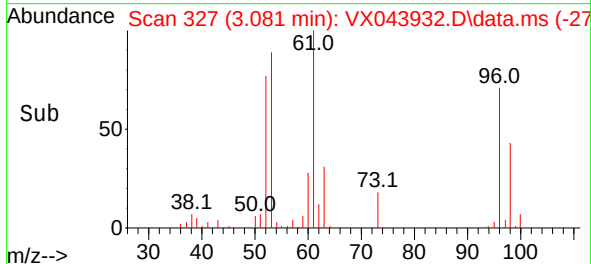
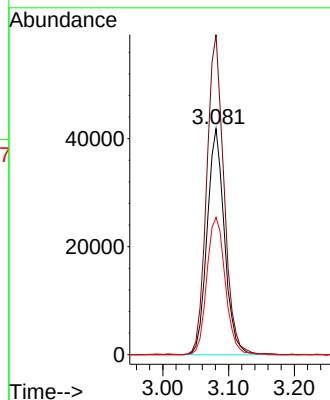
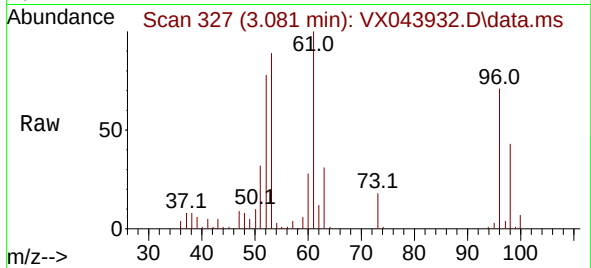




#21  
trans-1,2-Dichloroethene  
Concen: 49.179 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

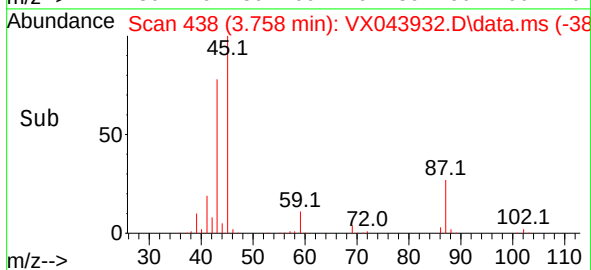
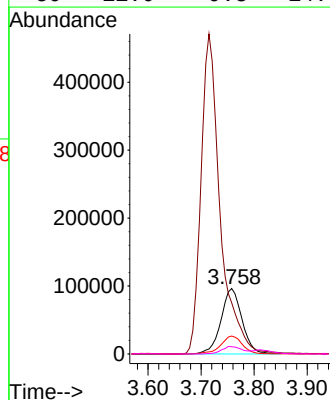
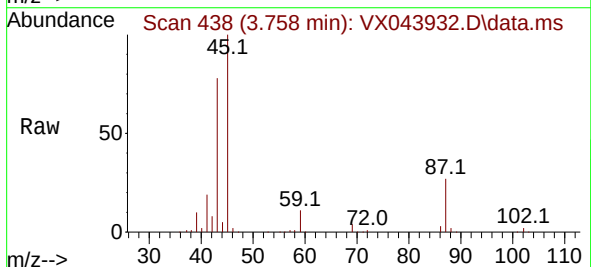
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

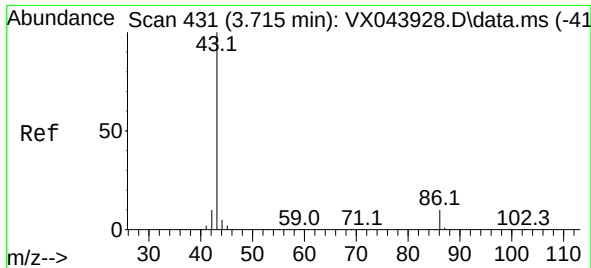
Tgt Ion: 96 Resp: 76687  
Ion Ratio Lower Upper  
96 100  
61 141.5 111.8 167.6  
98 60.8 52.7 79.1



#22  
Diisopropyl ether  
Concen: 50.132 ug/l  
RT: 3.758 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 45 Resp: 264554  
Ion Ratio Lower Upper  
45 100  
43 78.0 59.6 89.4  
87 27.4 22.9 34.3  
59 11.0 9.8 14.6

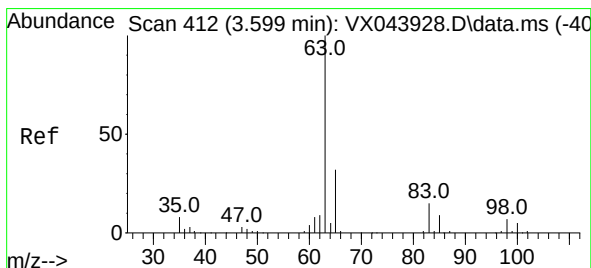
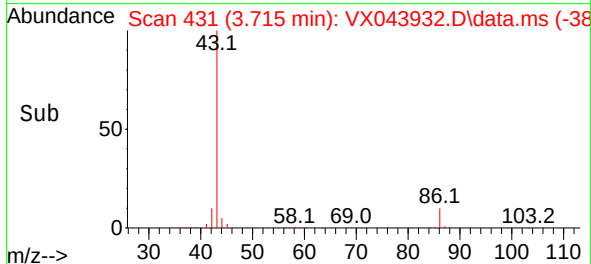
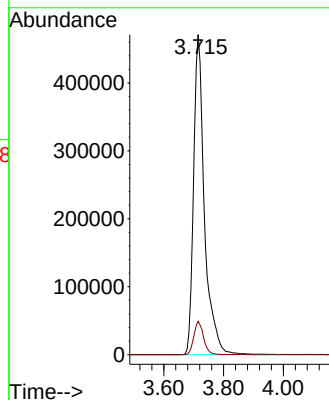
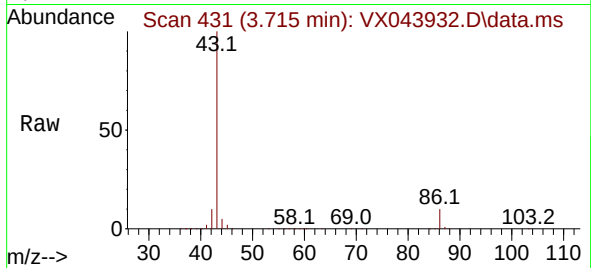




#23  
 Vinyl Acetate  
 Concen: 263.441 ug/l  
 RT: 3.715 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX043932.D  
 Acq: 21 Nov 2024 13:57

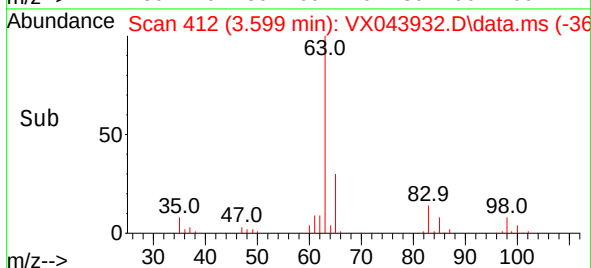
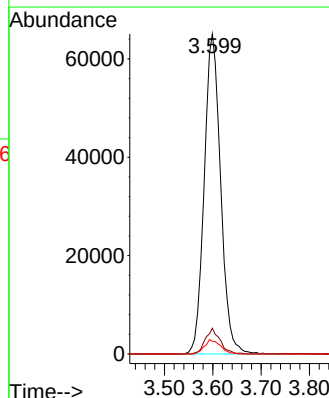
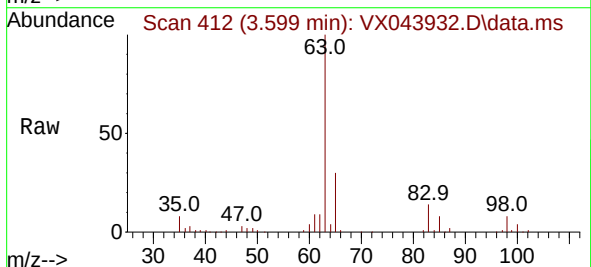
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX112124

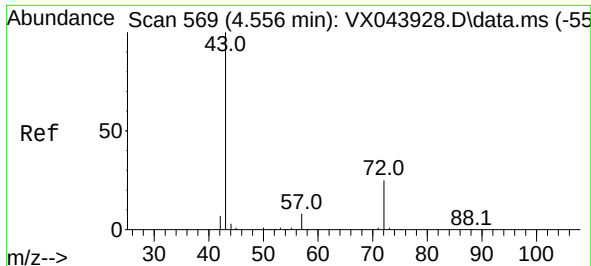
Tgt Ion: 43 Resp: 1189244  
 Ion Ratio Lower Upper  
 43 100  
 86 10.5 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 50.466 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: VX043932.D  
 Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 153635  
 Ion Ratio Lower Upper  
 63 100  
 98 8.0 3.5 10.6  
 100 4.0 2.4 7.1





#25

2-Butanone

Concen: 261.804 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

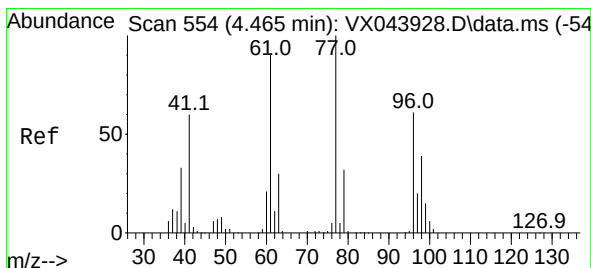
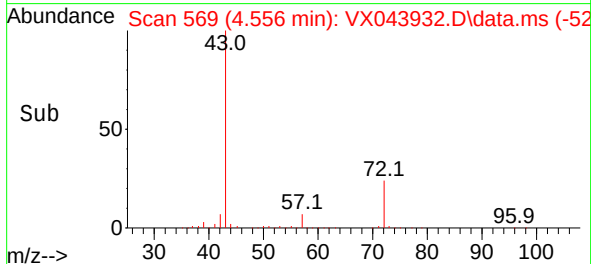
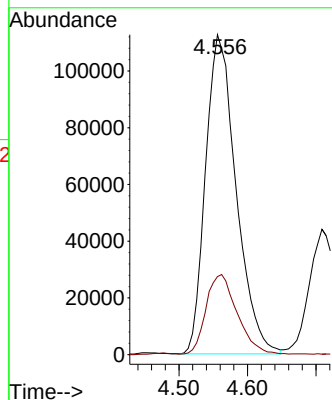
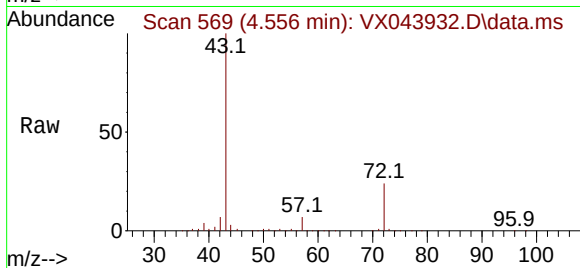
ICVX112124

Tgt Ion: 43 Resp: 348803

Ion Ratio Lower Upper

43 100

72 24.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 52.343 ug/l

RT: 4.459 min Scan# 553

Delta R.T. -0.006 min

Lab File: VX043932.D

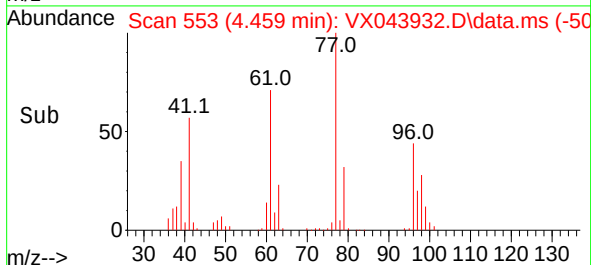
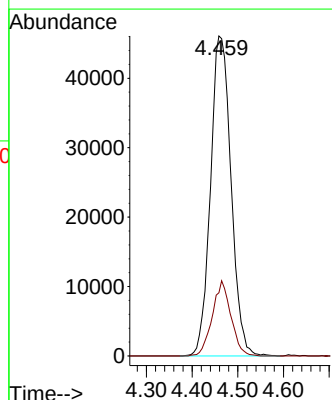
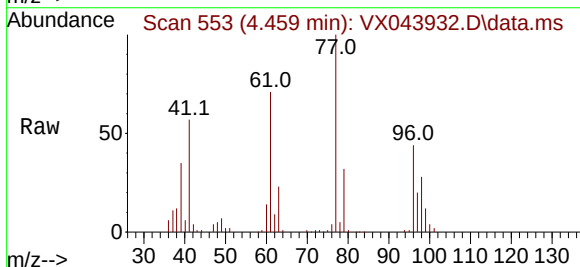
Acq: 21 Nov 2024 13:57

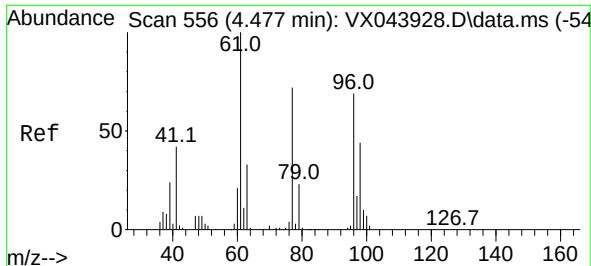
Tgt Ion: 77 Resp: 143910

Ion Ratio Lower Upper

77 100

97 21.3 10.8 32.3

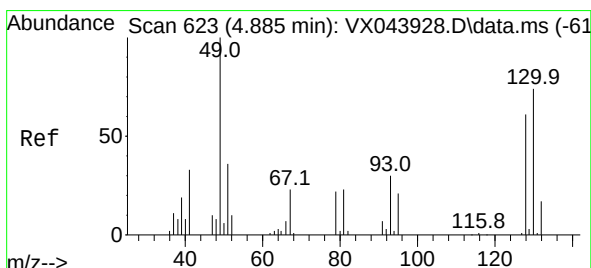
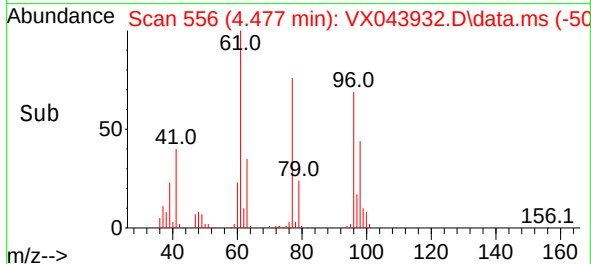
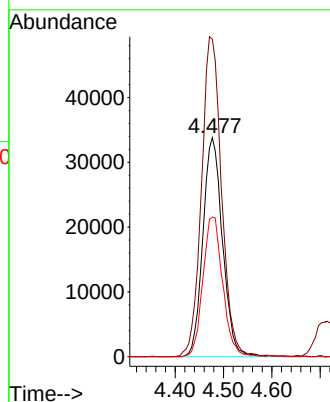
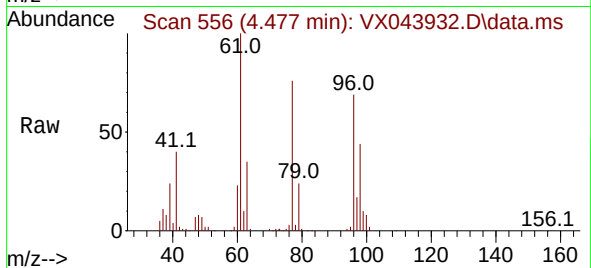




#27  
 cis-1,2-Dichloroethene  
 Concen: 49.326 ug/l  
 RT: 4.477 min Scan# 556  
 Delta R.T. -0.000 min  
 Lab File: VX043932.D  
 Acq: 21 Nov 2024 13:57

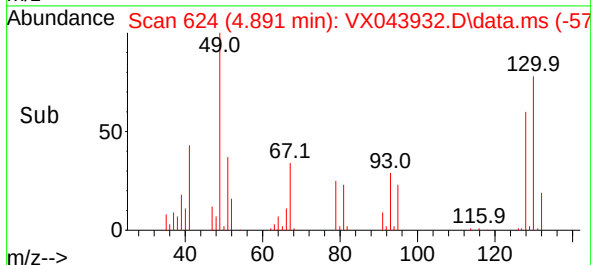
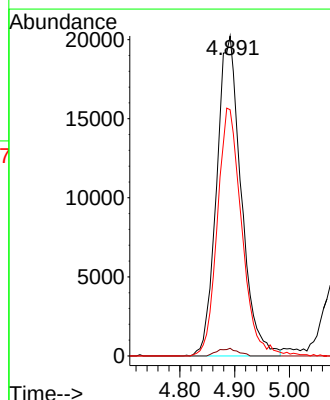
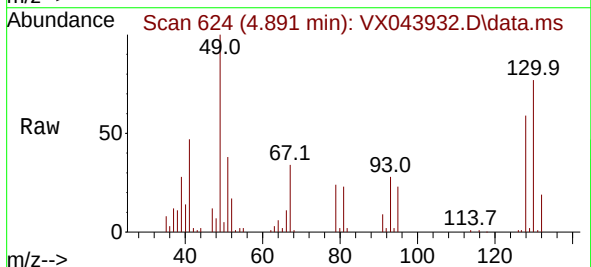
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX112124

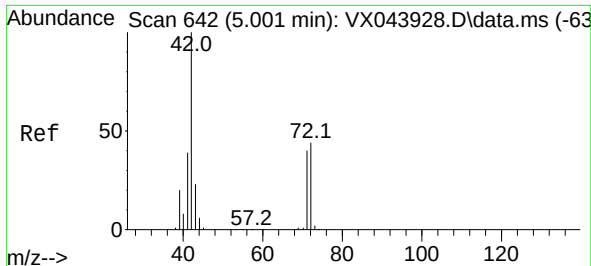
Tgt Ion: 96 Resp: 95076  
 Ion Ratio Lower Upper  
 96 100  
 61 149.6 0.0 297.4  
 98 64.3 0.0 127.8



#28  
 Bromochloromethane  
 Concen: 46.920 ug/l  
 RT: 4.891 min Scan# 624  
 Delta R.T. 0.006 min  
 Lab File: VX043932.D  
 Acq: 21 Nov 2024 13:57

Tgt Ion: 49 Resp: 62874  
 Ion Ratio Lower Upper  
 49 100  
 129 2.0 0.0 4.0  
 130 77.3 59.0 88.6





#29

Tetrahydrofuran

Concen: 254.585 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

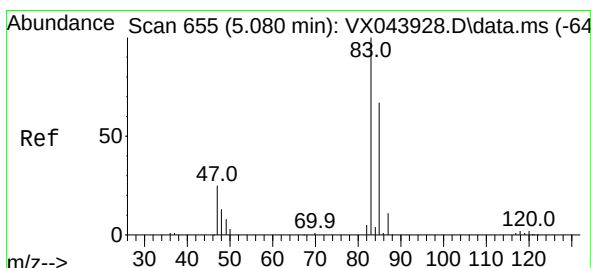
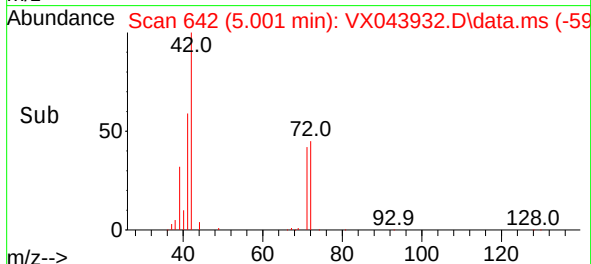
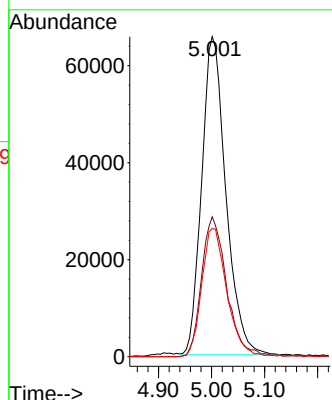
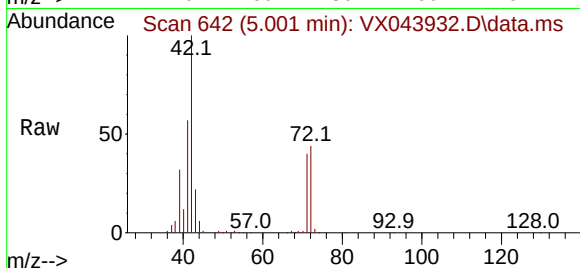
Tgt Ion: 42 Resp: 207942

Ion Ratio Lower Upper

42 100

72 45.6 36.4 54.6

71 42.0 33.4 50.0



#30

Chloroform

Concen: 49.891 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX043932.D

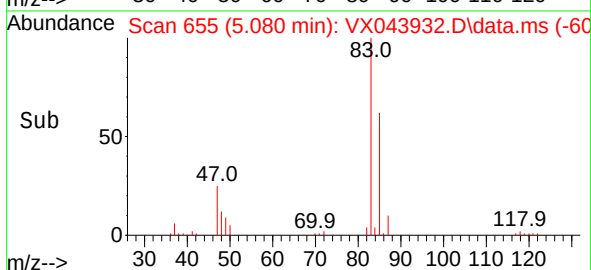
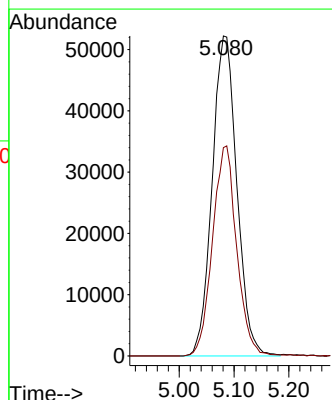
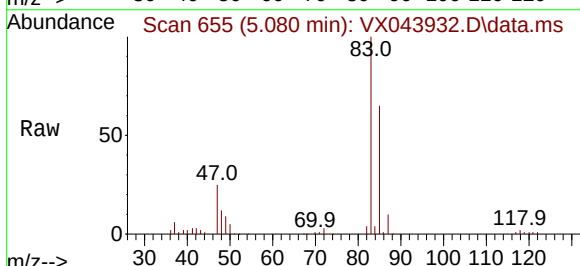
Acq: 21 Nov 2024 13:57

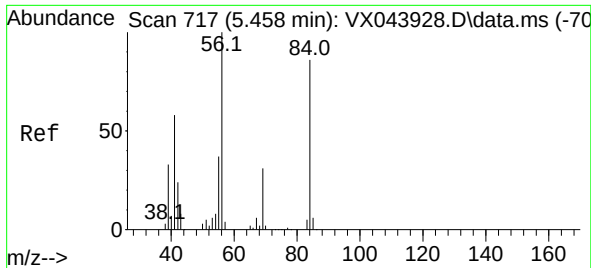
Tgt Ion: 83 Resp: 163357

Ion Ratio Lower Upper

83 100

85 65.1 53.5 80.3

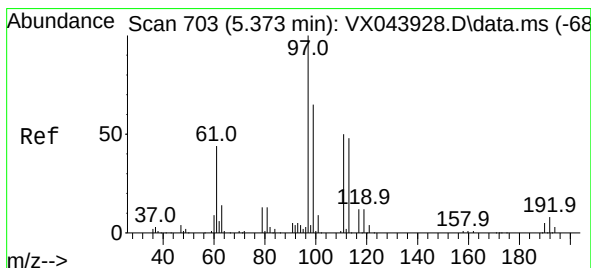
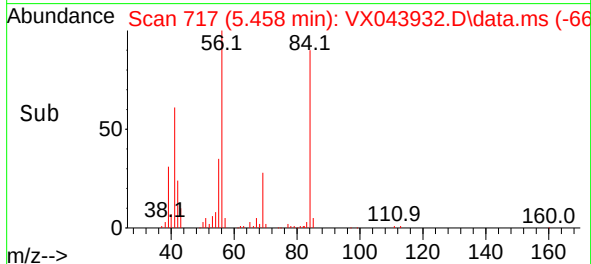
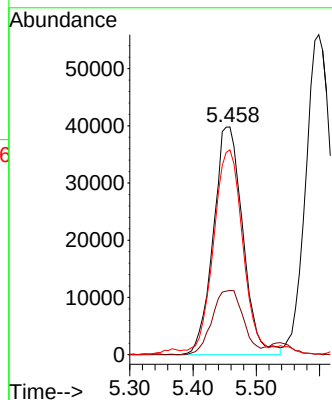
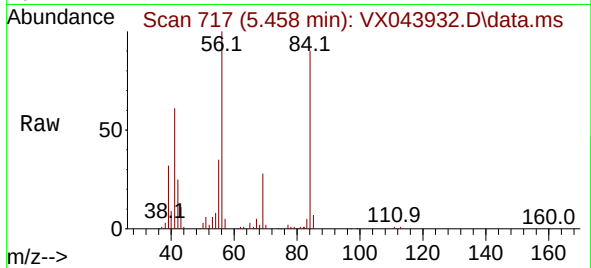




#31  
Cyclohexane  
Concen: 51.278 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

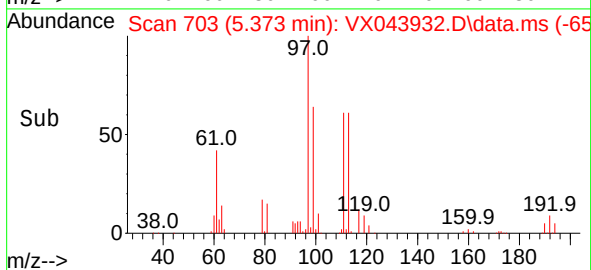
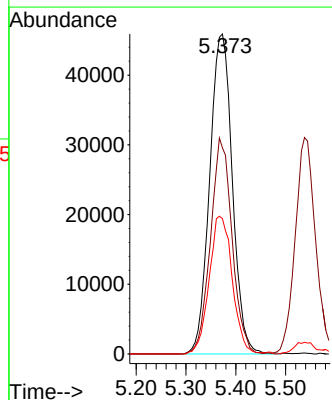
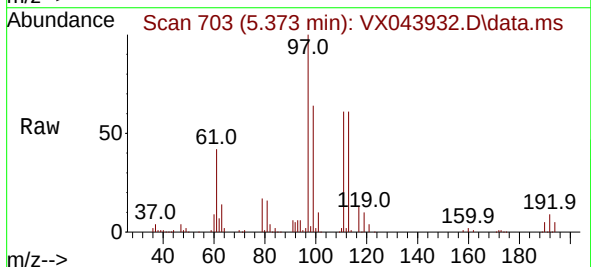
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

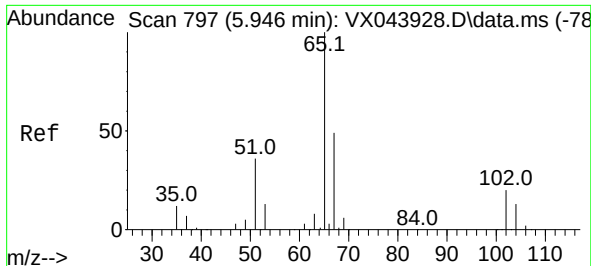
Tgt Ion: 56 Resp: 128482  
Ion Ratio Lower Upper  
56 100  
69 28.2 24.7 37.1  
84 88.1 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 51.320 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 97 Resp: 144908  
Ion Ratio Lower Upper  
97 100  
99 64.3 50.8 76.2  
61 43.8 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 50.183 ug/l

RT: 5.946 min Scan# 797

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

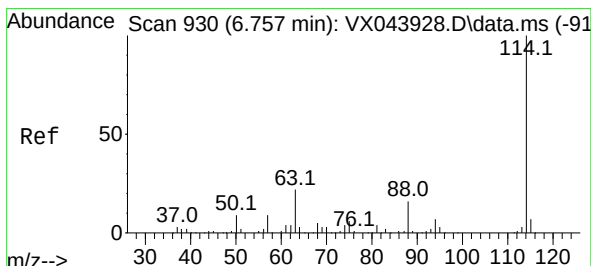
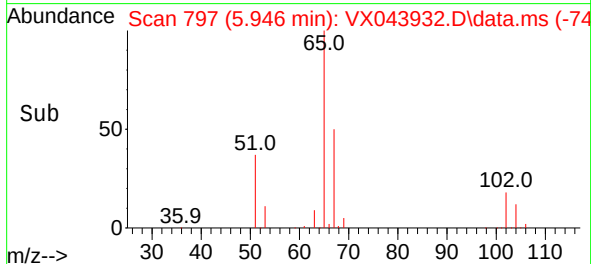
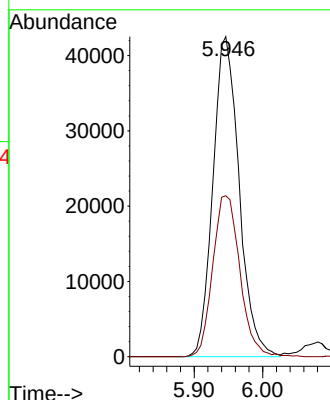
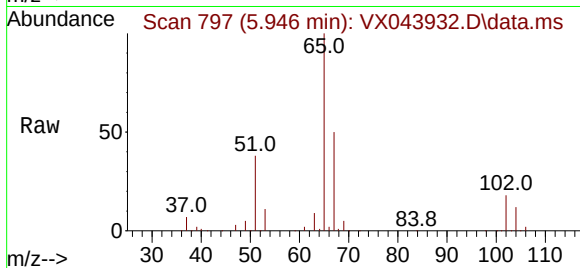
ICVVX112124

Tgt Ion: 65 Resp: 112818

Ion Ratio Lower Upper

65 100

67 52.2 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

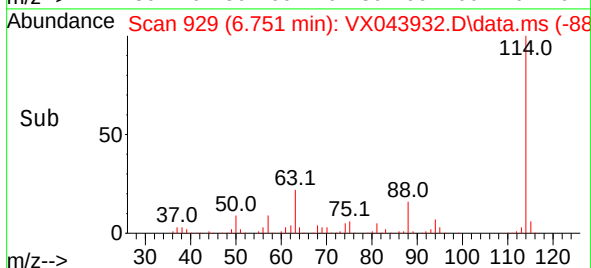
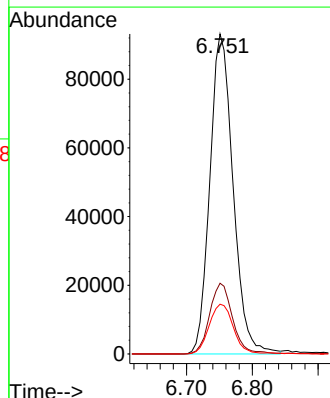
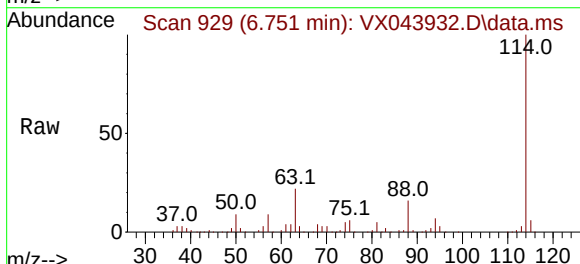
Tgt Ion: 114 Resp: 229009

Ion Ratio Lower Upper

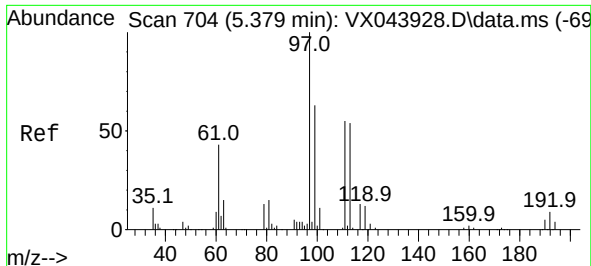
114 100

63 22.1 0.0 44.0

88 15.6 0.0 32.4







#35

Dibromofluoromethane

Concen: 52.442 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

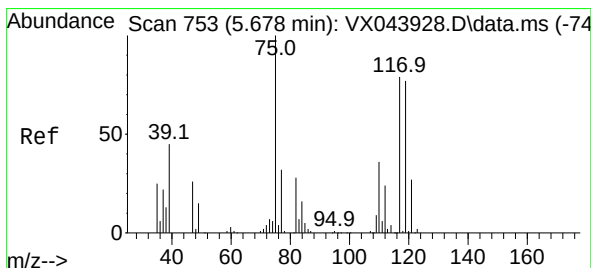
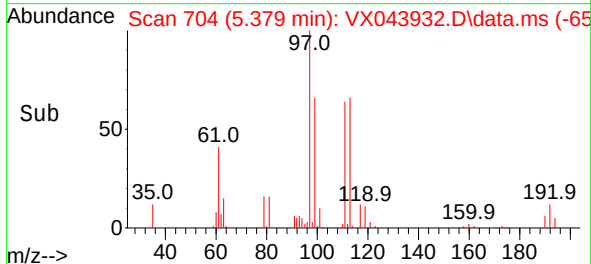
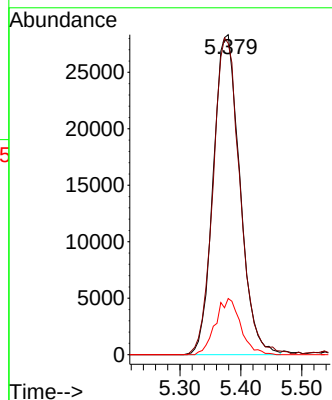
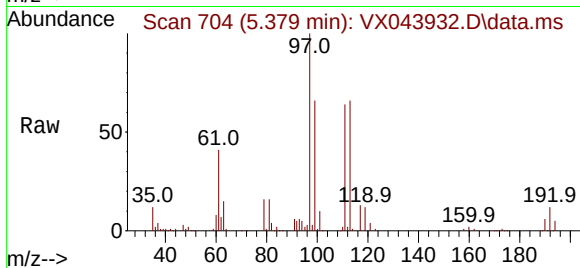
Tgt Ion:113 Resp: 85815

Ion Ratio Lower Upper

113 100

111 99.9 81.0 121.4

192 16.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 53.218 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

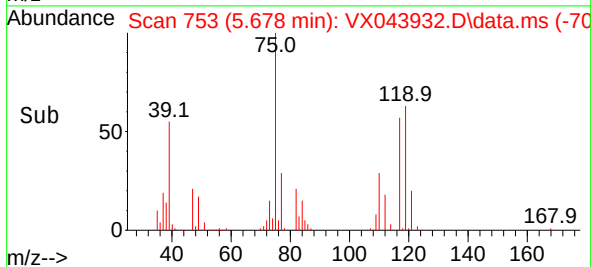
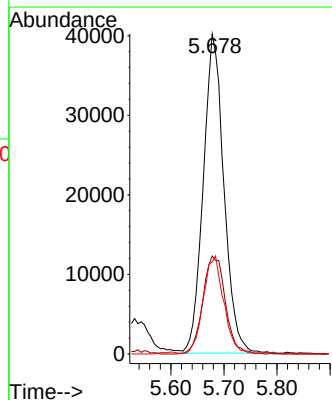
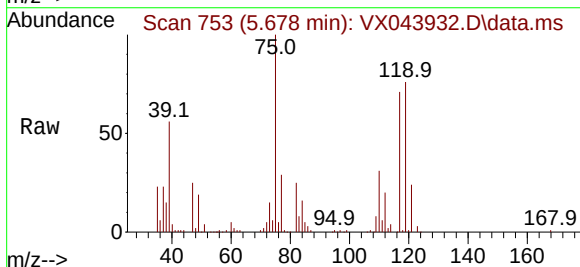
Tgt Ion: 75 Resp: 108518

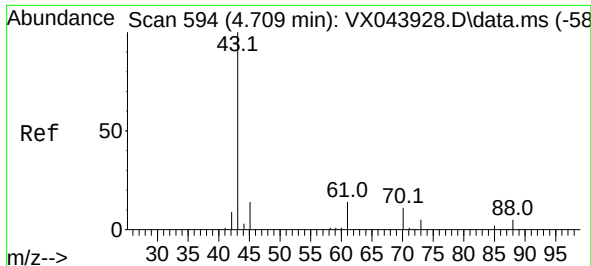
Ion Ratio Lower Upper

75 100

110 33.4 17.4 52.2

77 30.3 25.8 38.8





#37

Ethyl Acetate

Concen: 52.656 ug/l

RT: 4.709 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

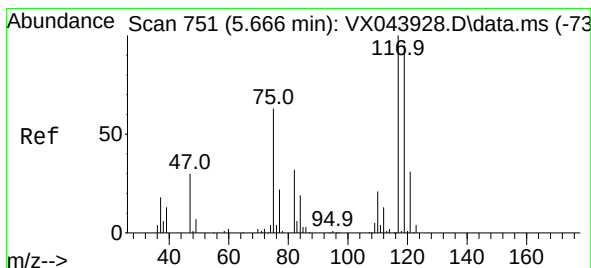
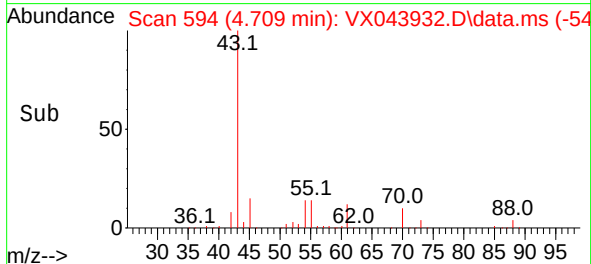
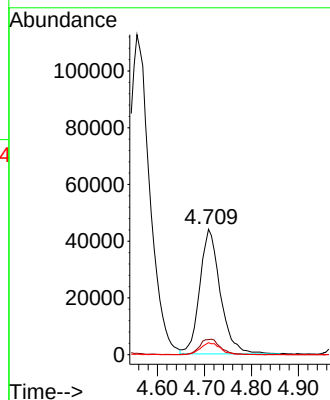
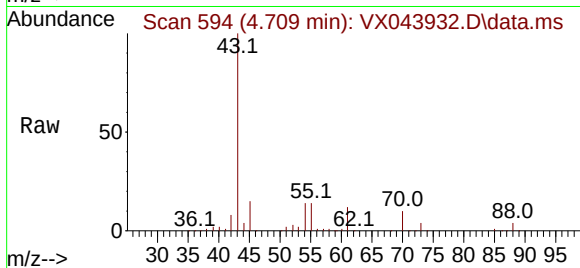
Tgt Ion: 43 Resp: 133283

Ion Ratio Lower Upper

43 100

61 12.2 10.7 16.1

70 9.3 8.0 12.0



#38

Carbon Tetrachloride

Concen: 51.786 ug/l

RT: 5.660 min Scan# 750

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

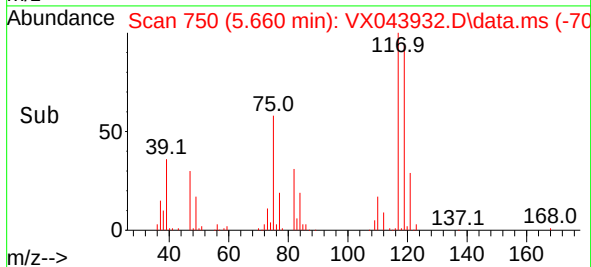
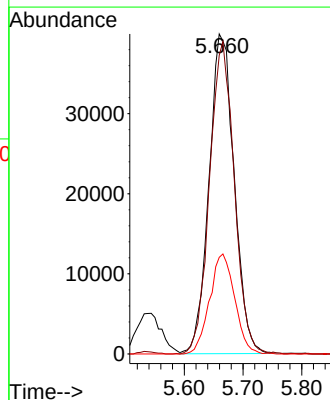
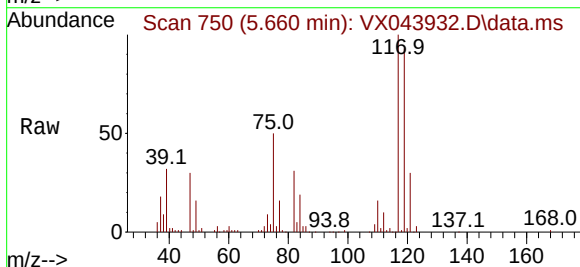
Tgt Ion: 117 Resp: 118655

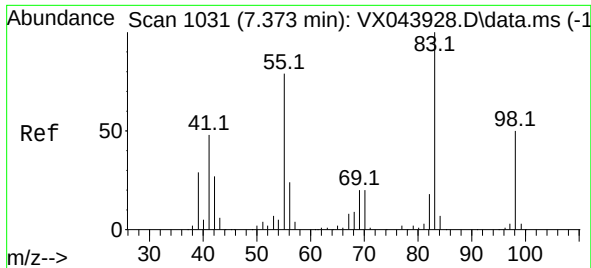
Ion Ratio Lower Upper

117 100

119 93.5 75.2 112.8

121 30.3 24.5 36.7





#39

Methylcyclohexane

Concen: 53.489 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

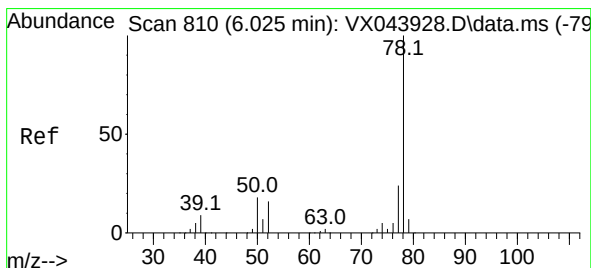
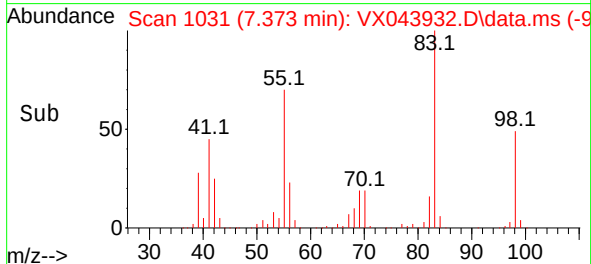
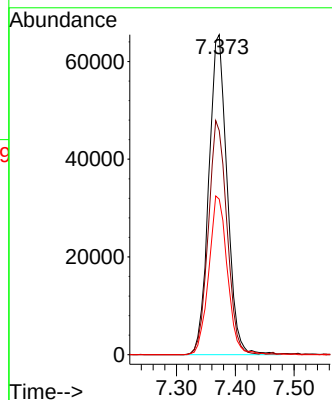
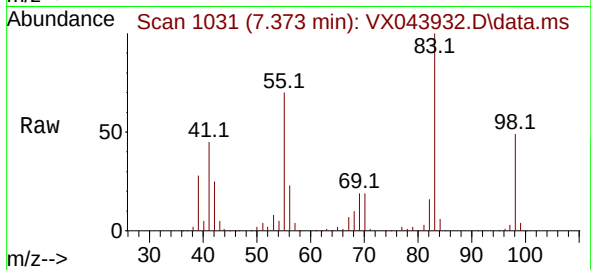
Tgt Ion: 83 Resp: 141696

Ion Ratio Lower Upper

83 100

55 70.0 63.1 94.7

98 48.6 40.0 60.0



#40

Benzene

Concen: 50.257 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX043932.D

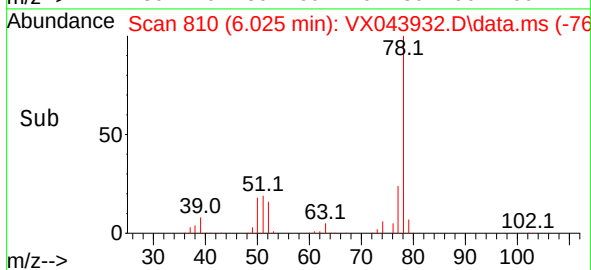
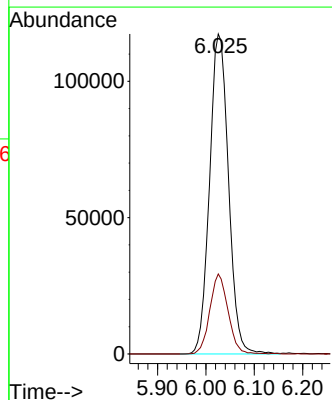
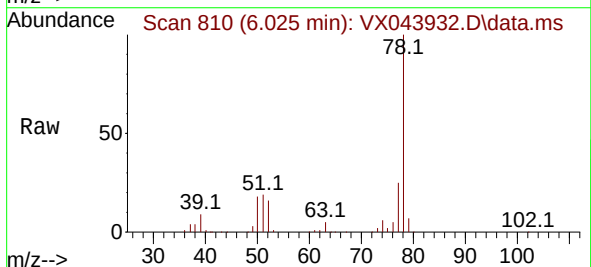
Acq: 21 Nov 2024 13:57

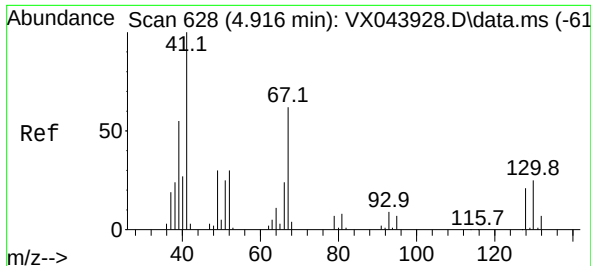
Tgt Ion: 78 Resp: 319222

Ion Ratio Lower Upper

78 100

77 25.0 19.2 28.8

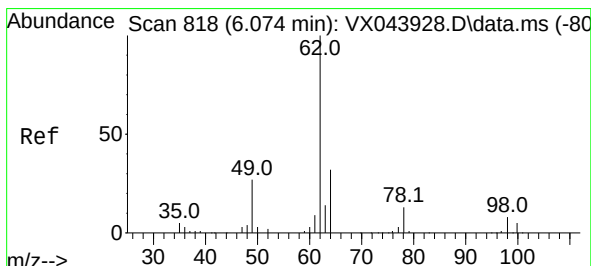
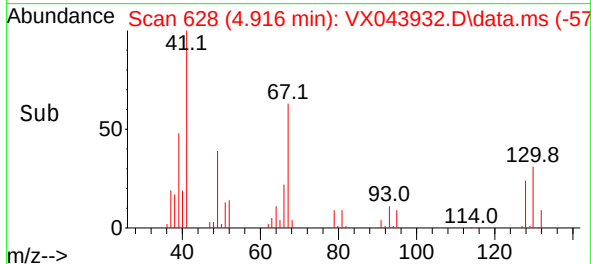
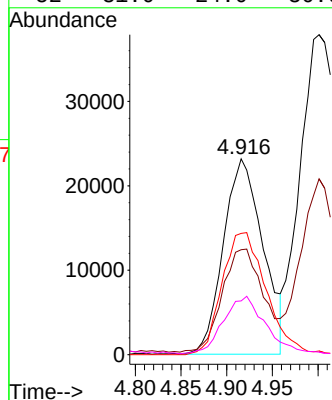
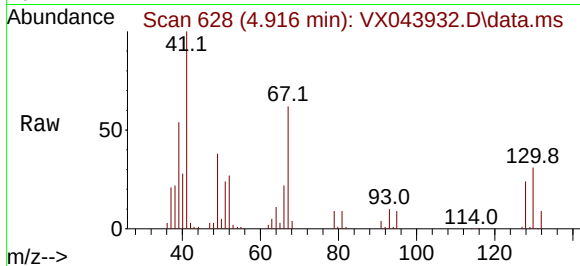




#41  
Methacrylonitrile  
Concen: 53.851 ug/l  
RT: 4.916 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

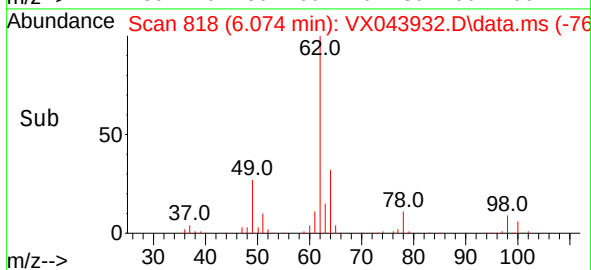
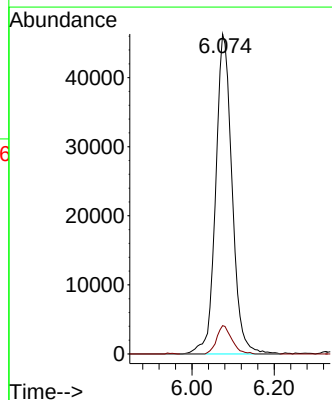
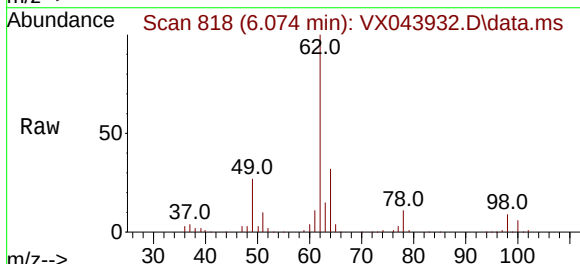
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

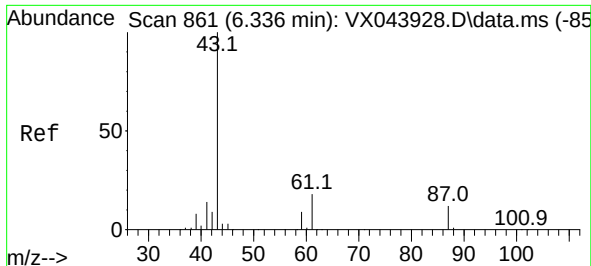
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 69766 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 53.2  | 41.7  | 62.5  |
| 67       | 70.1  | 55.8  | 83.8  |
| 52       | 31.0  | 24.0  | 36.0  |



#42  
1,2-Dichloroethane  
Concen: 50.421 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 128623 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.2   | 0.0   | 16.4   |





#43

Isopropyl Acetate

Concen: 51.469 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

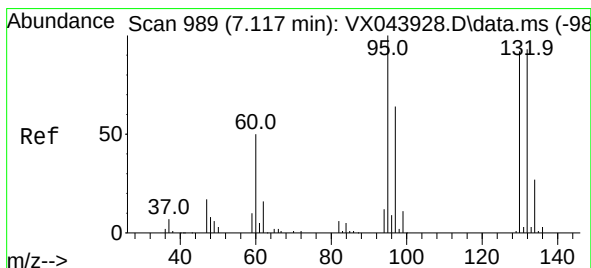
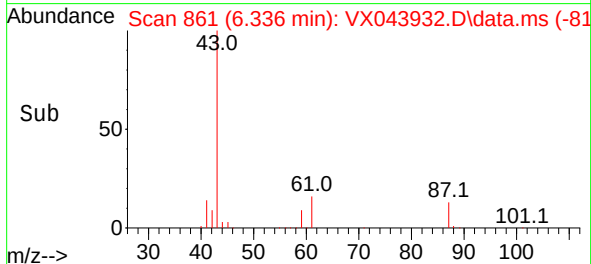
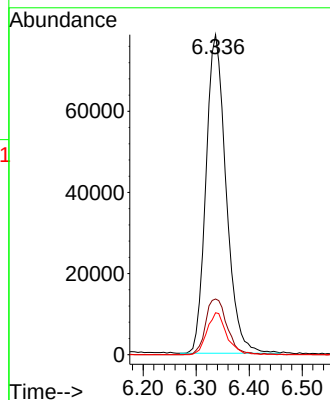
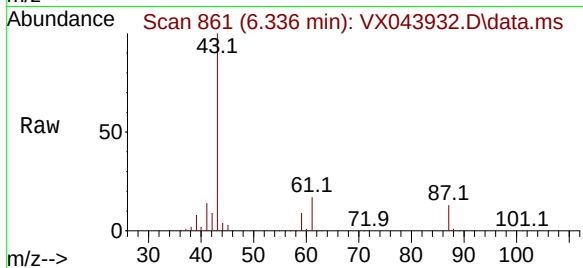
MSVOA\_X

ClientSampleId :

ICVX112124

Tgt Ion: 43 Resp: 207332

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 18.6  | 14.5  | 21.7  |
| 87  | 12.9  | 10.2  | 15.2  |



#44

Trichloroethene

Concen: 44.554 ug/l

RT: 7.117 min Scan# 989

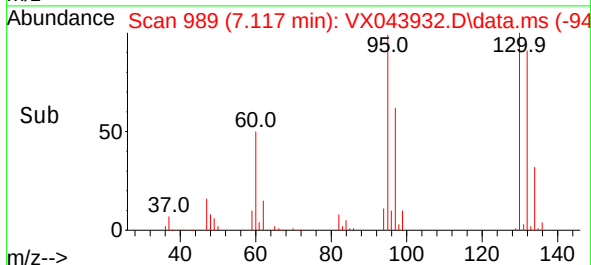
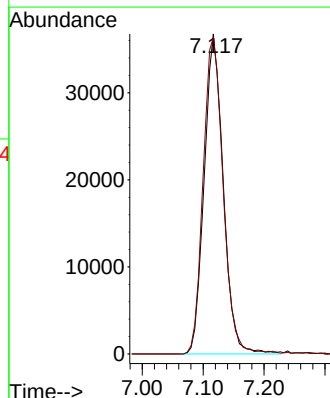
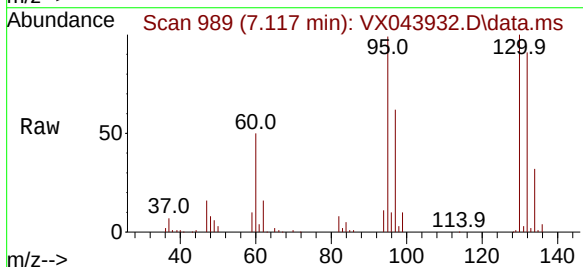
Delta R.T. -0.000 min

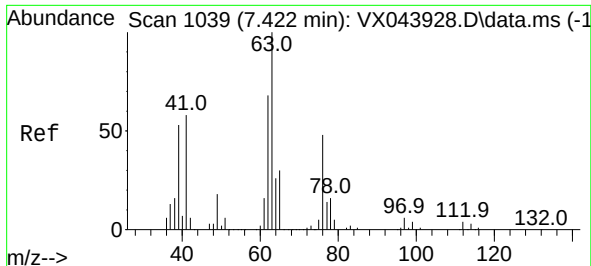
Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion:130 Resp: 80113

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 98.9  | 0.0   | 217.8 |





#45

1,2-Dichloropropane

Concen: 47.811 ug/l

RT: 7.422 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

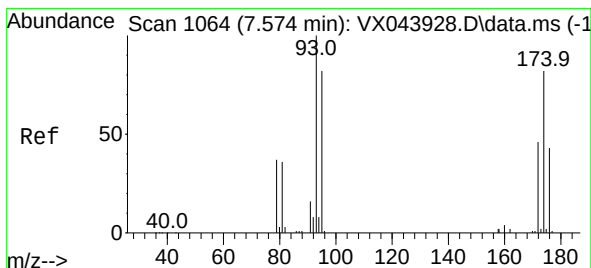
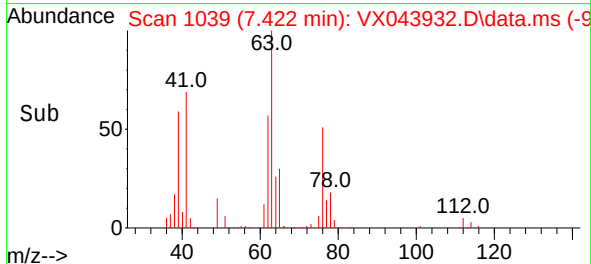
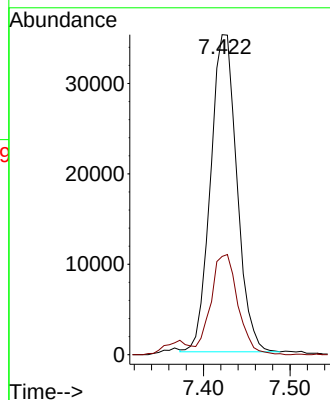
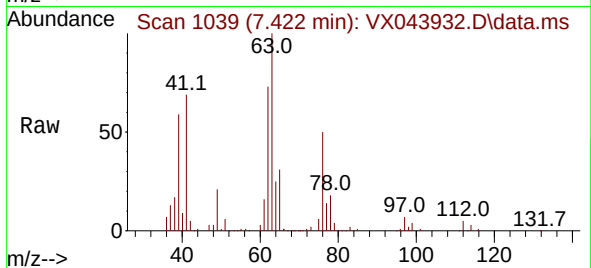
ICVX112124

Tgt Ion: 63 Resp: 74380

Ion Ratio Lower Upper

63 100

65 30.7 23.8 35.6



#46

Dibromomethane

Concen: 50.662 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

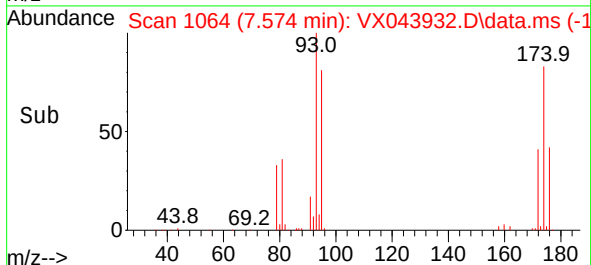
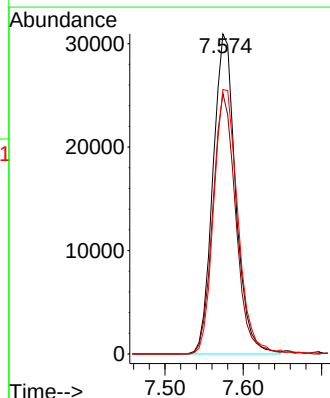
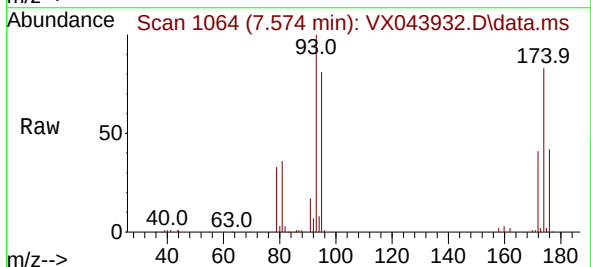
Tgt Ion: 93 Resp: 62345

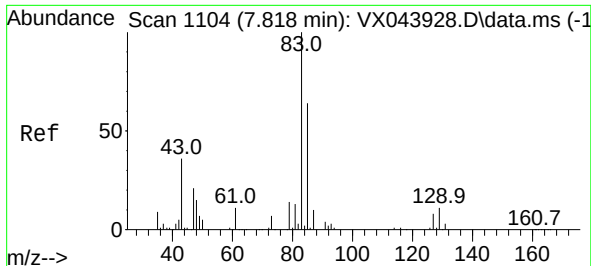
Ion Ratio Lower Upper

93 100

95 82.5 66.2 99.4

174 88.2 69.6 104.4

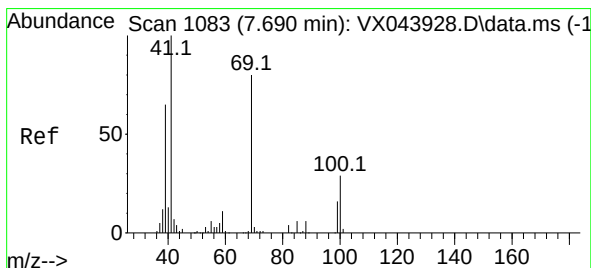
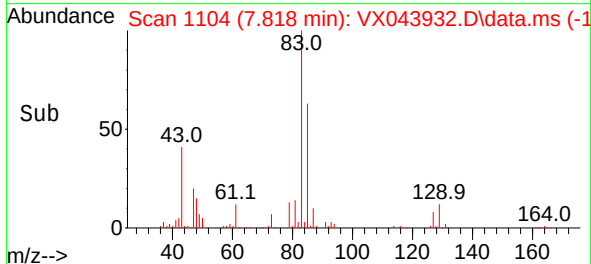
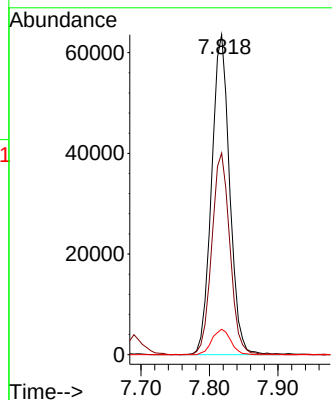
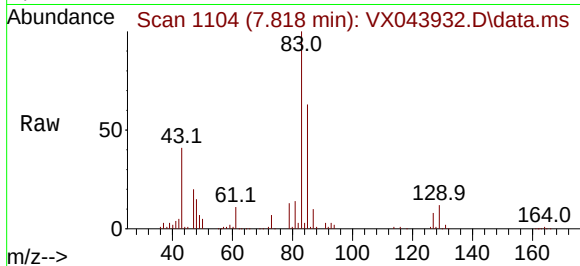




#47  
Bromodichloromethane  
Concen: 52.648 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

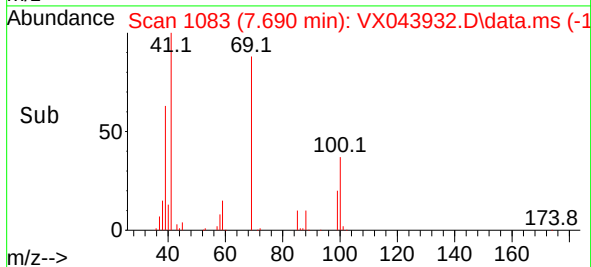
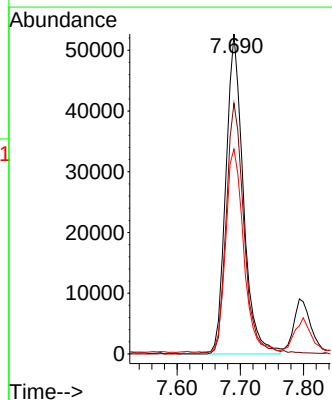
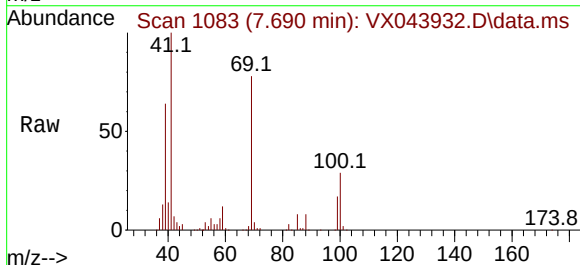
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

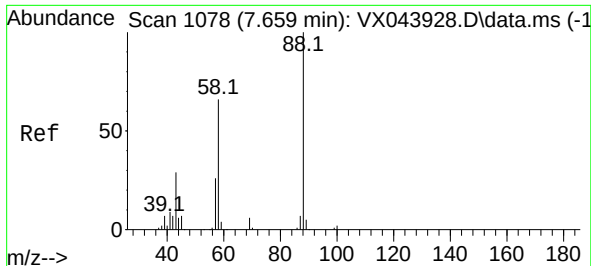
Tgt Ion: 83 Resp: 116199  
Ion Ratio Lower Upper  
83 100  
85 63.0 51.4 77.0  
127 8.0 6.6 10.0



#48  
Methyl methacrylate  
Concen: 52.284 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 41 Resp: 101062  
Ion Ratio Lower Upper  
41 100  
69 80.0 64.6 97.0  
39 65.2 53.3 79.9





#49

1,4-Dioxane

Concen: 905.506 ug/l

RT: 7.659 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX112124

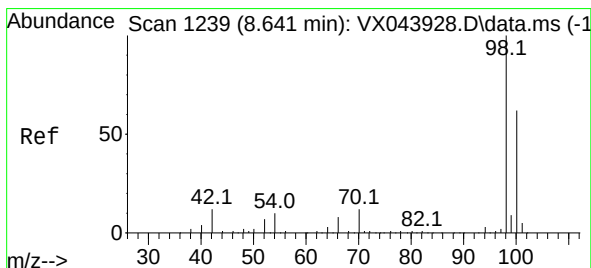
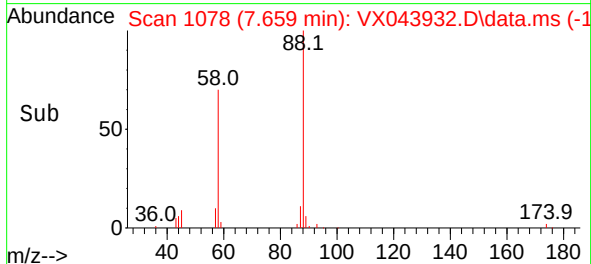
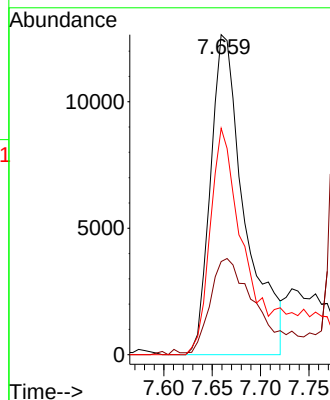
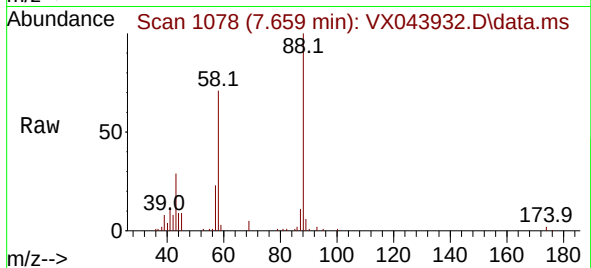
Tgt Ion: 88 Resp: 31178

Ion Ratio Lower Upper

88 100

43 39.9 26.8 40.2

58 68.3 45.4 68.2#



#50

Toluene-d8

Concen: 51.234 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043932.D

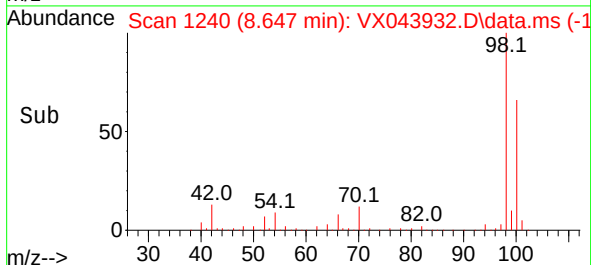
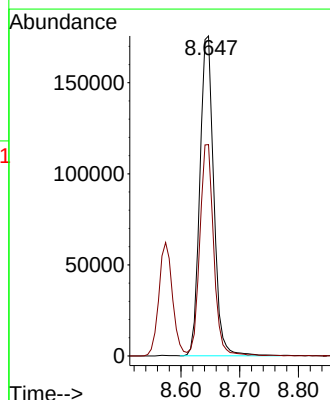
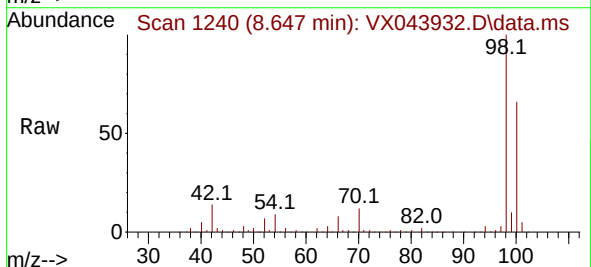
Acq: 21 Nov 2024 13:57

Tgt Ion: 98 Resp: 289000

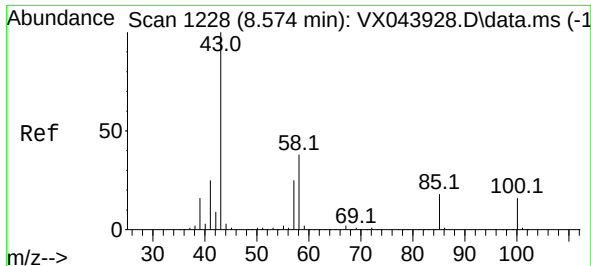
Ion Ratio Lower Upper

98 100

100 65.6 52.6 79.0



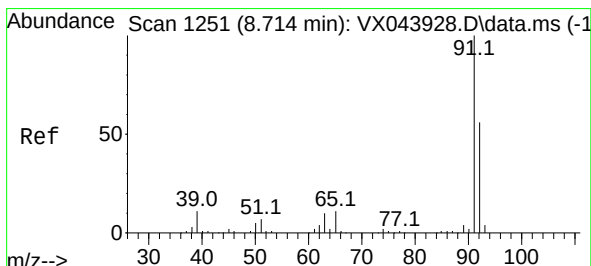
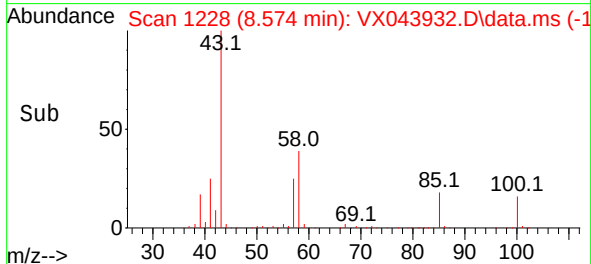
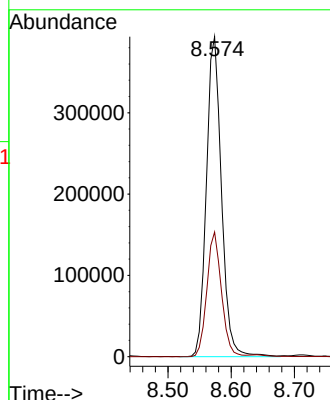
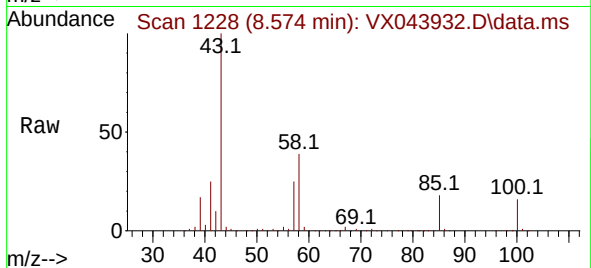




#51  
4-Methyl-2-Pentanone  
Concen: 265.520 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

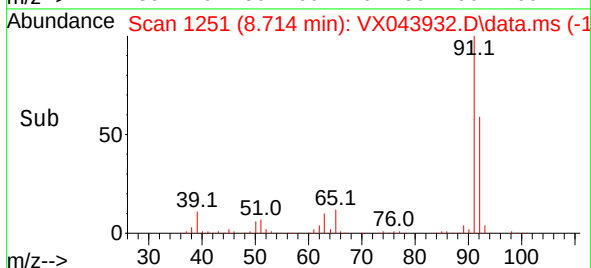
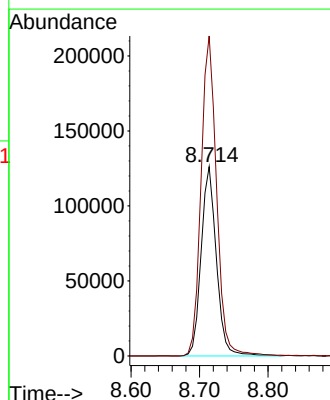
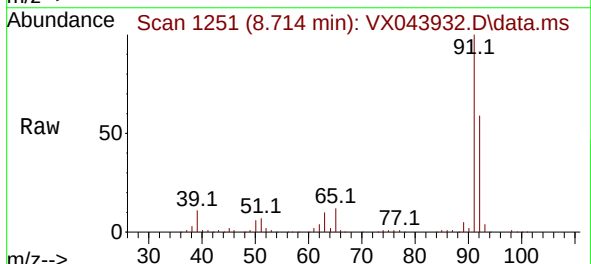
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

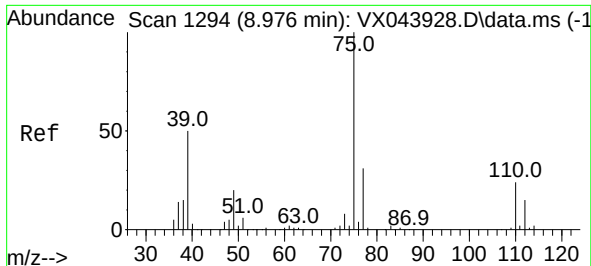
Tgt Ion: 43 Resp: 652721  
Ion Ratio Lower Upper  
43 100  
58 37.6 30.0 45.0



#52  
Toluene  
Concen: 51.507 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 92 Resp: 195814  
Ion Ratio Lower Upper  
92 100  
91 172.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 53.077 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

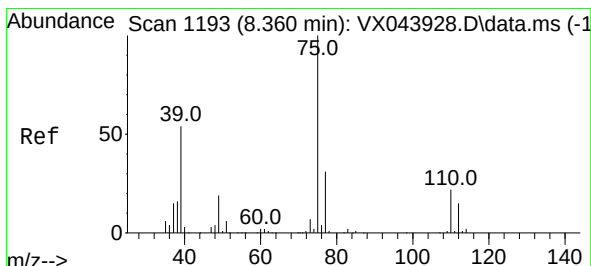
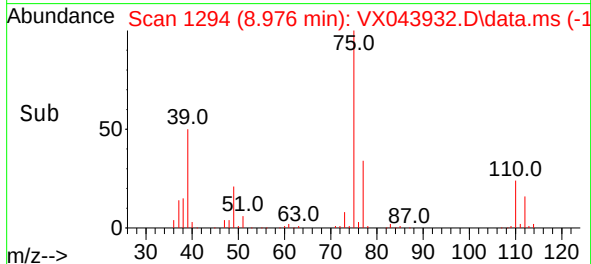
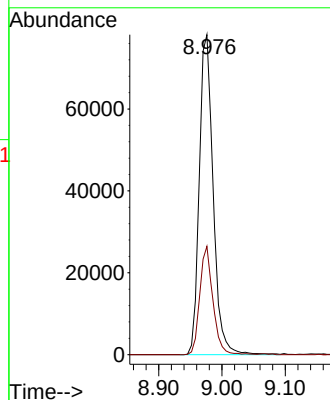
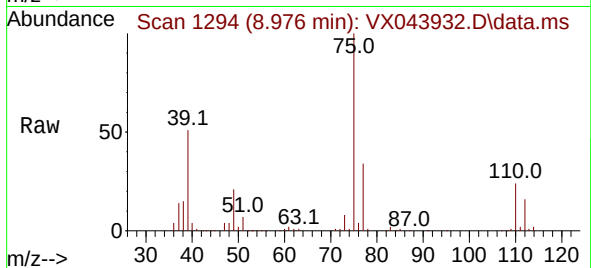
ICVVX112124

Tgt Ion: 75 Resp: 119461

Ion Ratio Lower Upper

75 100

77 33.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 52.205 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

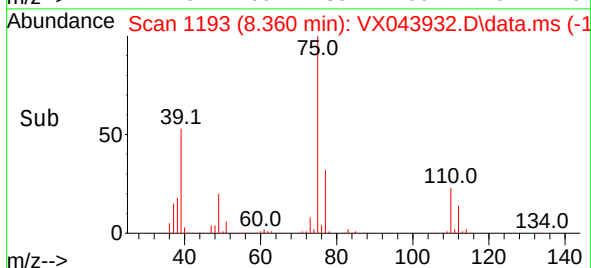
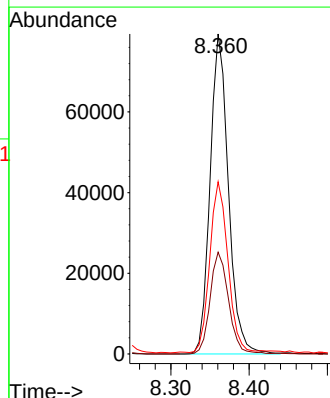
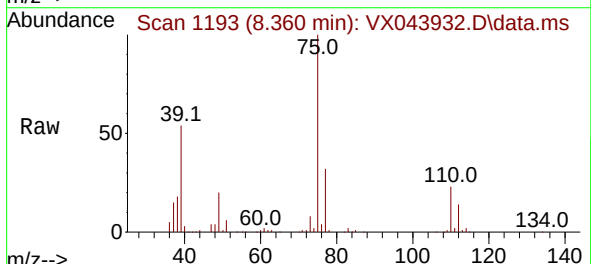
Tgt Ion: 75 Resp: 128808

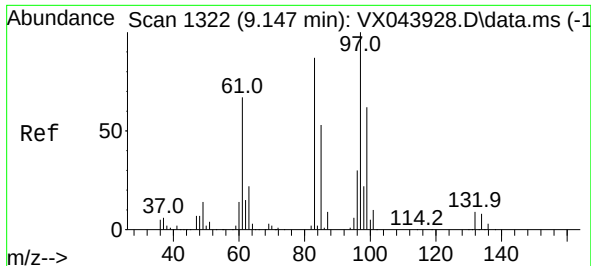
Ion Ratio Lower Upper

75 100

77 31.8 25.2 37.8

39 53.2 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 50.069 ug/l

RT: 9.147 min Scan# 1322

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX112124

Tgt Ion: 97 Resp: 78575

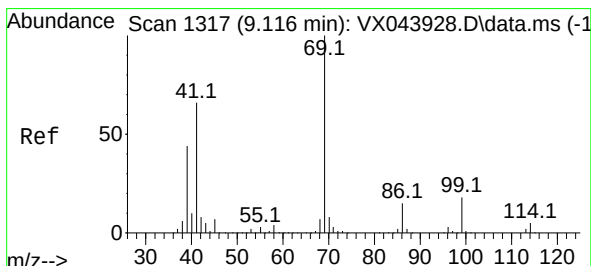
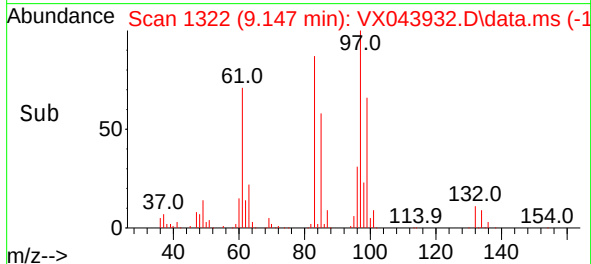
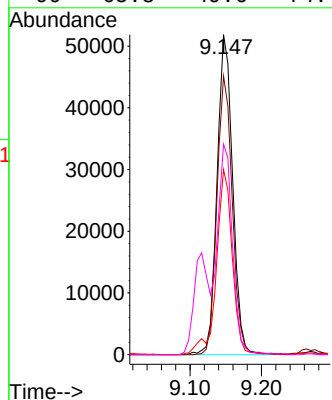
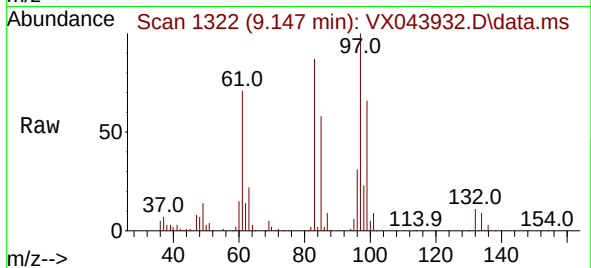
Ion Ratio Lower Upper

97 100

83 87.0 69.4 104.0

85 57.7 42.3 63.5

99 65.8 49.6 74.4



#56

Ethyl methacrylate

Concen: 53.118 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

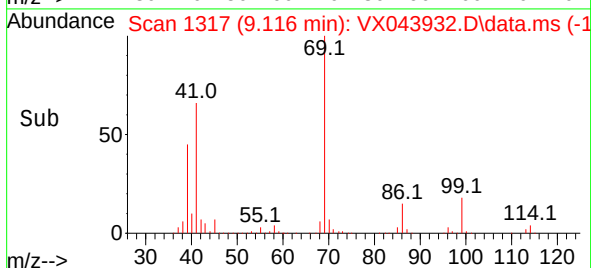
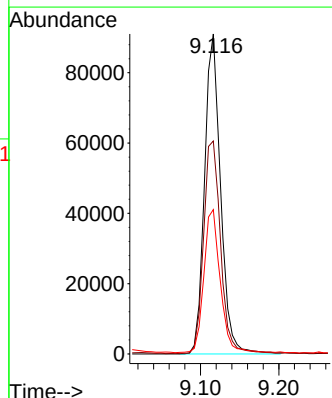
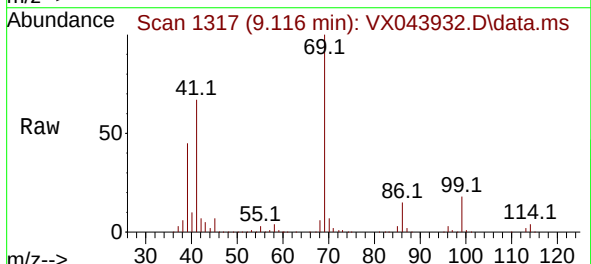
Tgt Ion: 69 Resp: 129841

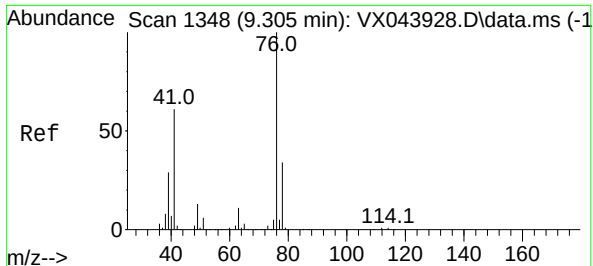
Ion Ratio Lower Upper

69 100

41 69.8 55.8 83.8

39 46.1 36.7 55.1

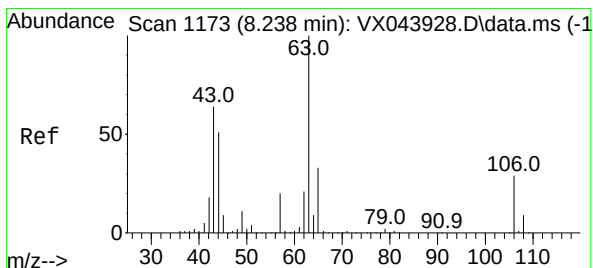
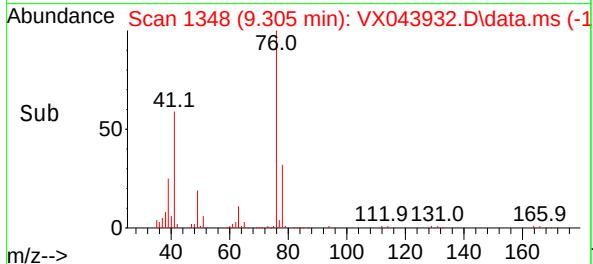
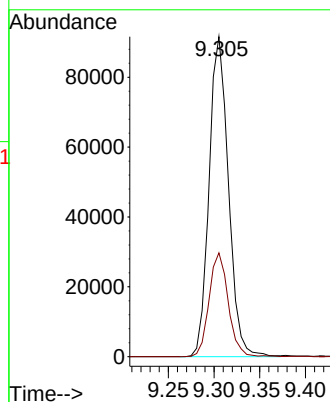
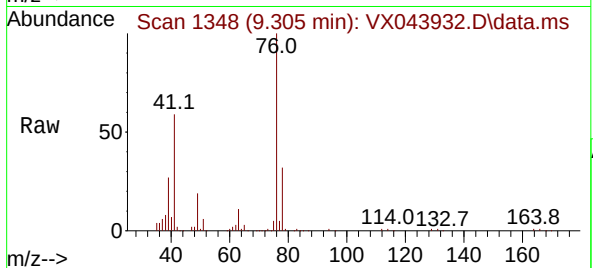




#57  
1,3-Dichloropropane  
Concen: 50.945 ug/l  
RT: 9.305 min Scan# 114  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

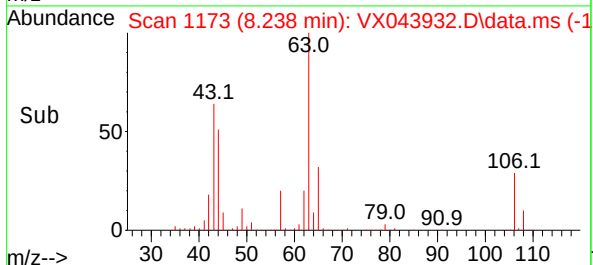
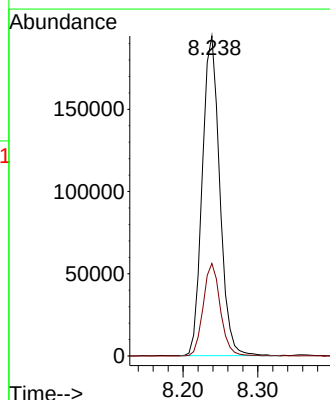
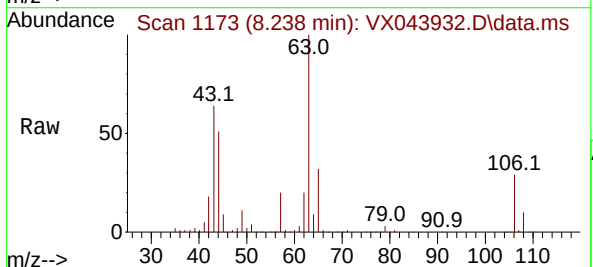
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

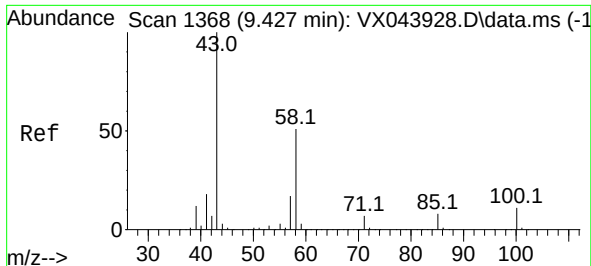
Tgt Ion: 76 Resp: 134680  
Ion Ratio Lower Upper  
76 100  
78 32.1 26.0 39.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 235.230 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 63 Resp: 315358  
Ion Ratio Lower Upper  
63 100  
106 28.4 23.0 34.6





#59

2-Hexanone

Concen: 273.011 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

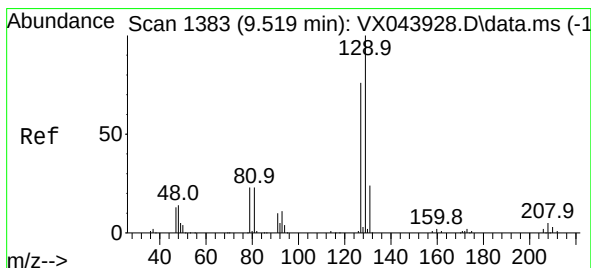
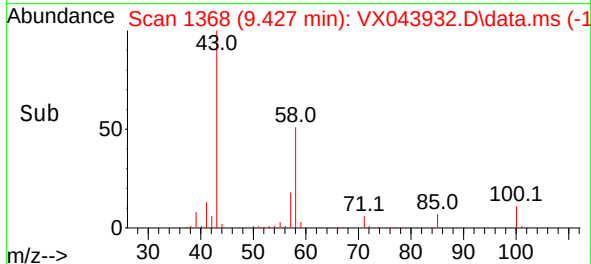
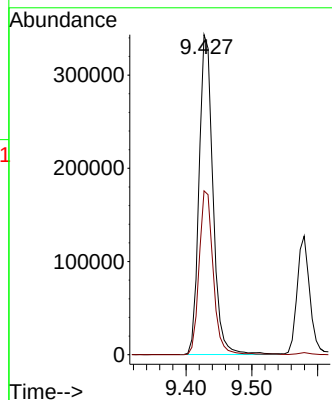
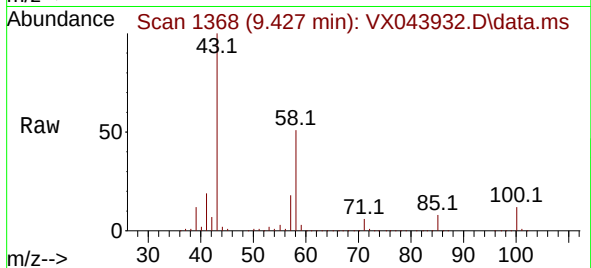
ICVX112124

Tgt Ion: 43 Resp: 504444

Ion Ratio Lower Upper

43 100

58 51.8 25.9 77.6



#60

Dibromochloromethane

Concen: 52.557 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043932.D

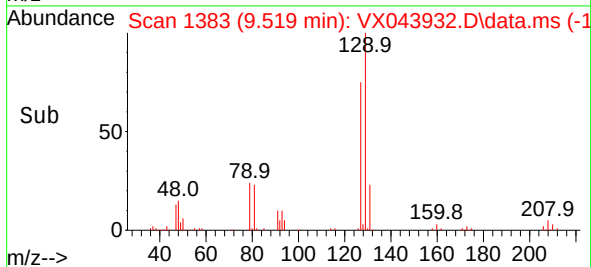
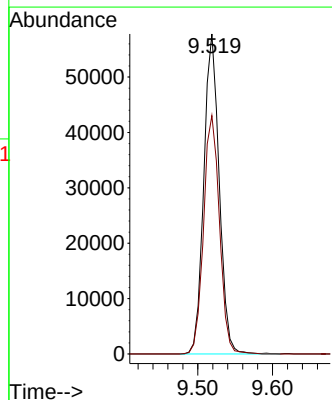
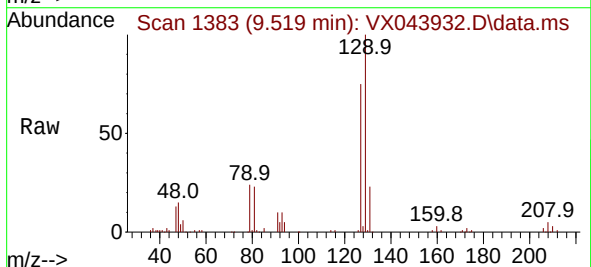
Acq: 21 Nov 2024 13:57

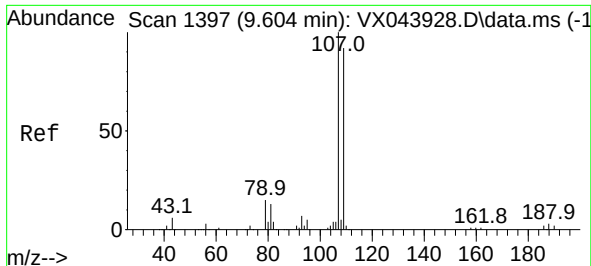
Tgt Ion: 129 Resp: 82754

Ion Ratio Lower Upper

129 100

127 76.9 38.2 114.6

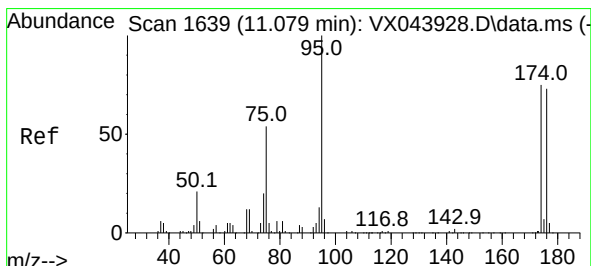
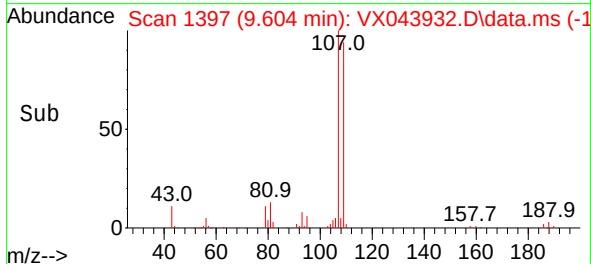
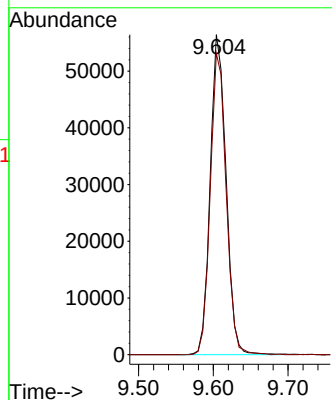
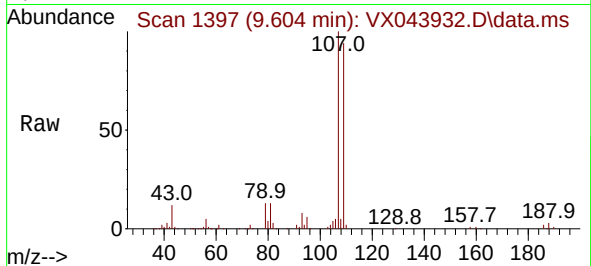




#61  
1,2-Dibromoethane  
Concen: 52.367 ug/l  
RT: 9.604 min Scan# 1397  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

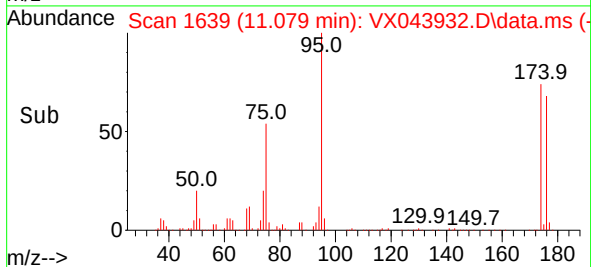
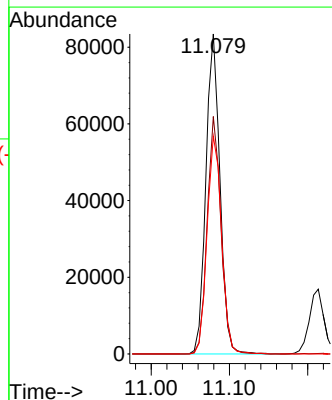
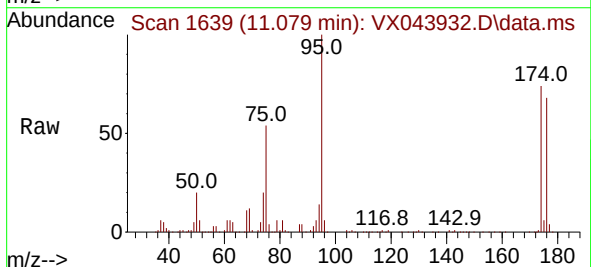
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

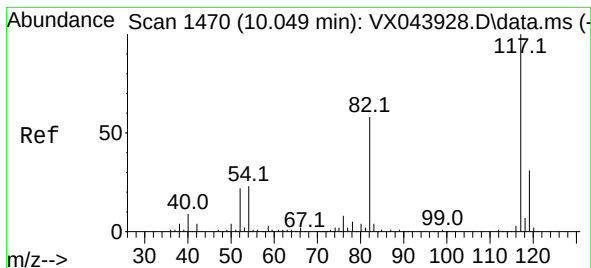
Tgt Ion:107 Resp: 83098  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 53.987 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 95 Resp: 103640  
Ion Ratio Lower Upper  
95 100  
174 73.0 0.0 150.4  
176 70.5 0.0 146.0

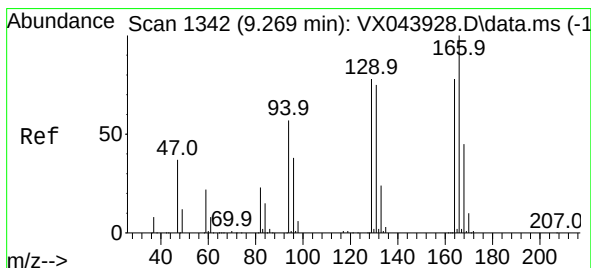
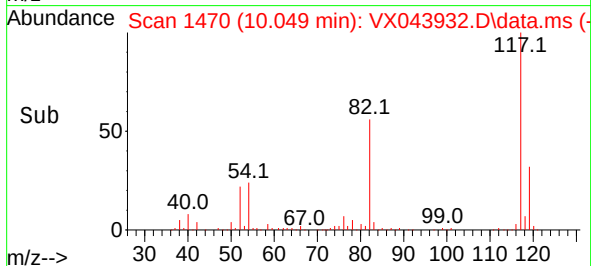
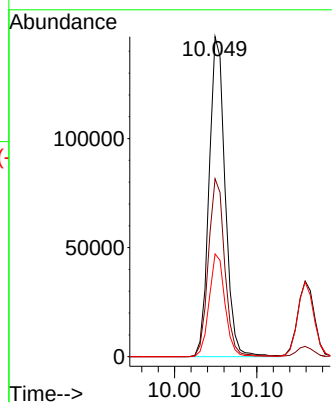
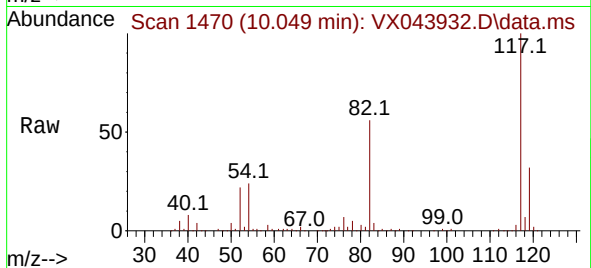




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

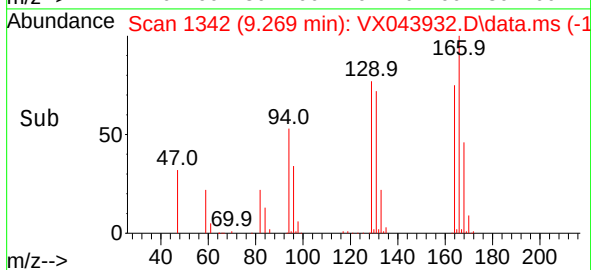
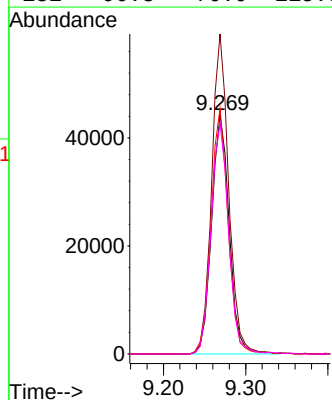
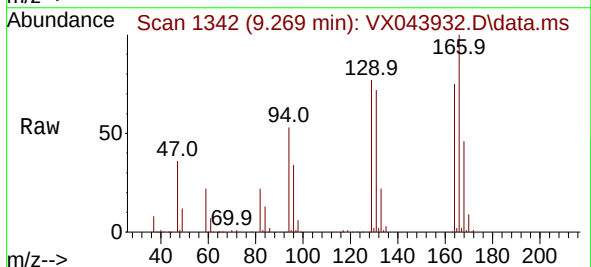
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

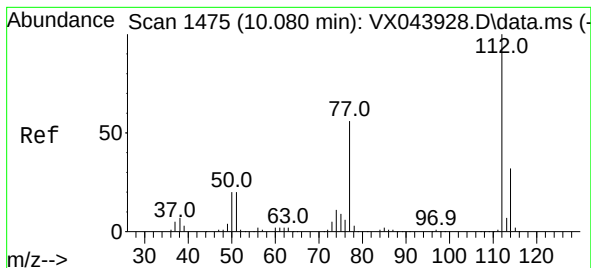
Tgt Ion:117 Resp: 198776  
Ion Ratio Lower Upper  
117 100  
82 55.6 46.4 69.6  
119 32.1 24.6 37.0



#64  
Tetrachloroethene  
Concen: 50.396 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion:164 Resp: 66054  
Ion Ratio Lower Upper  
164 100  
166 133.9 102.1 153.1  
129 102.7 79.6 119.4  
131 96.3 76.9 115.3

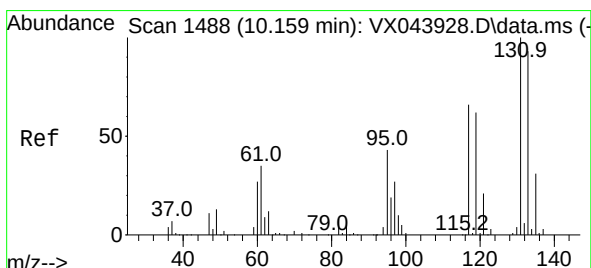
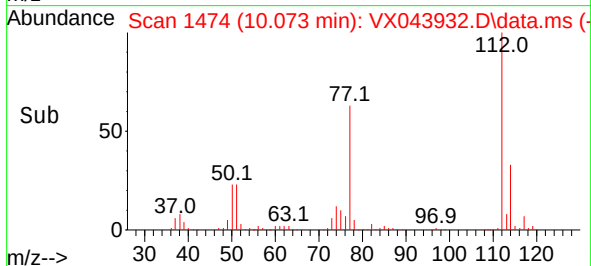
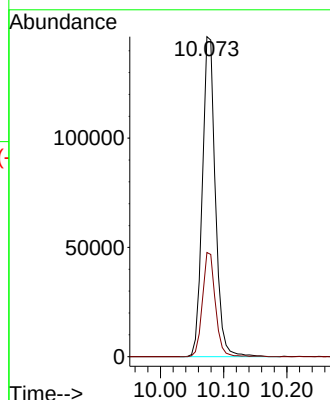
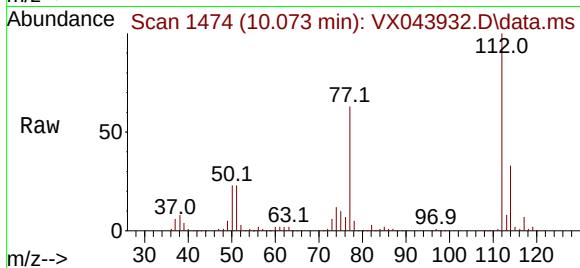




#65  
Chlorobenzene  
Concen: 48.094 ug/l  
RT: 10.073 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

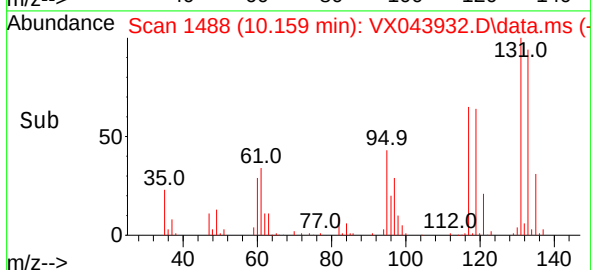
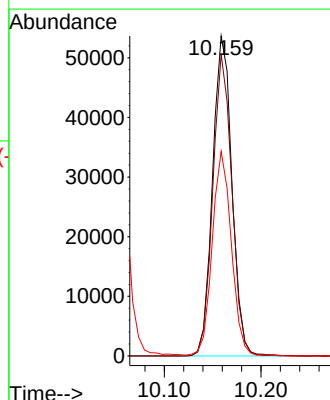
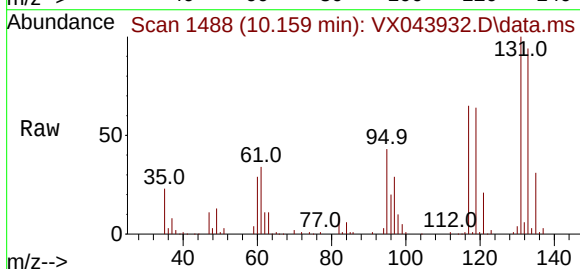
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

Tgt Ion:112 Resp: 209963  
Ion Ratio Lower Upper  
112 100  
114 32.6 25.4 38.0

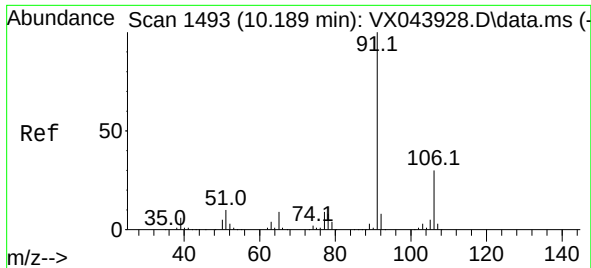


#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.515 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion:131 Resp: 74354  
Ion Ratio Lower Upper  
131 100  
133 92.9 48.2 144.6  
119 63.5 31.5 94.5







#67

Ethyl Benzene

Concen: 50.991 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

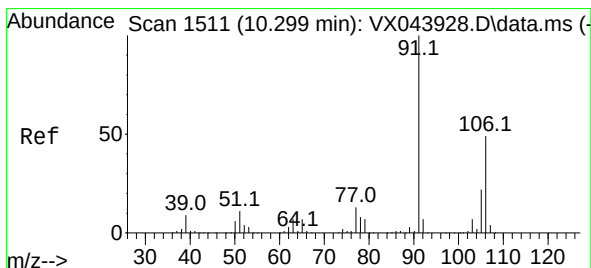
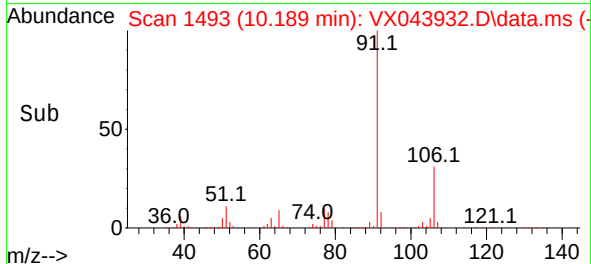
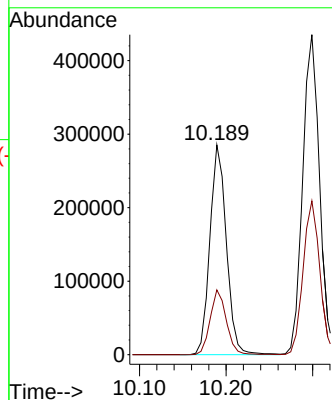
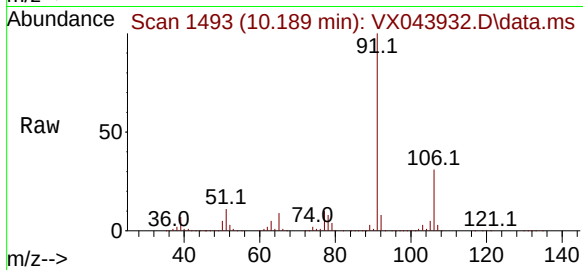
ICVVX112124

Tgt Ion: 91 Resp: 377215

Ion Ratio Lower Upper

91 100

106 30.9 23.6 35.4



#68

m/p-Xylenes

Concen: 102.572 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043932.D

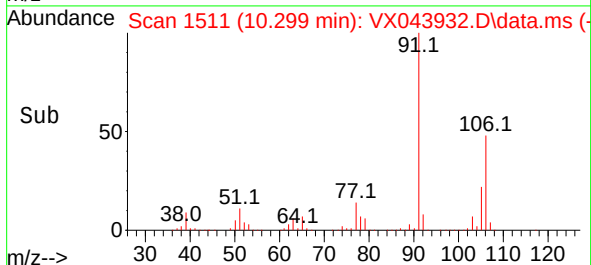
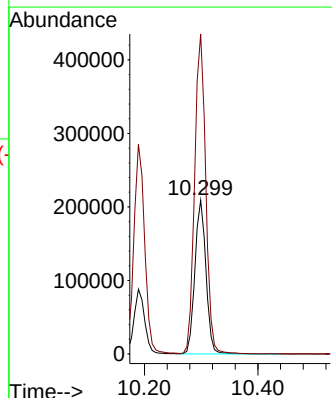
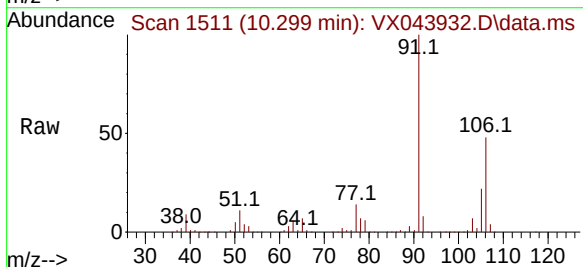
Acq: 21 Nov 2024 13:57

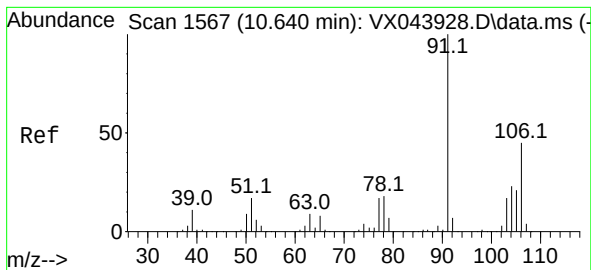
Tgt Ion:106 Resp: 282971

Ion Ratio Lower Upper

106 100

91 208.6 168.1 252.1





#69

o-Xylene

Concen: 51.396 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

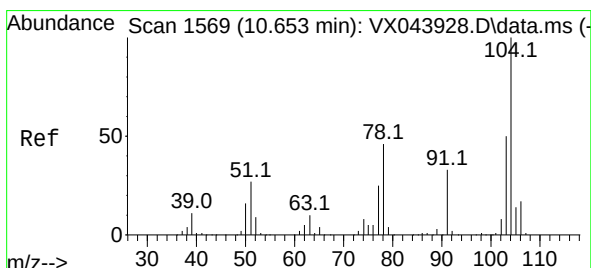
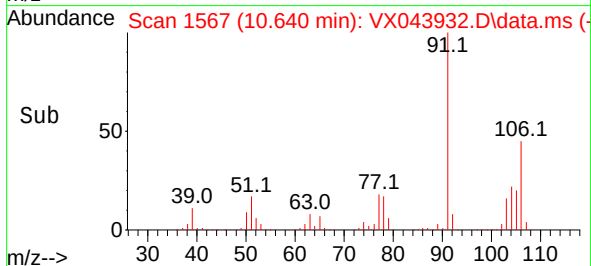
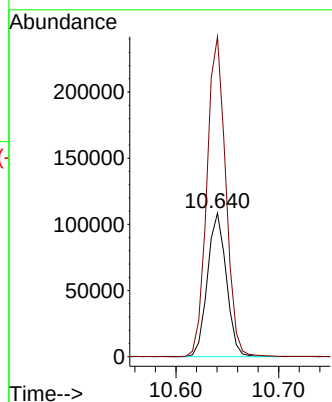
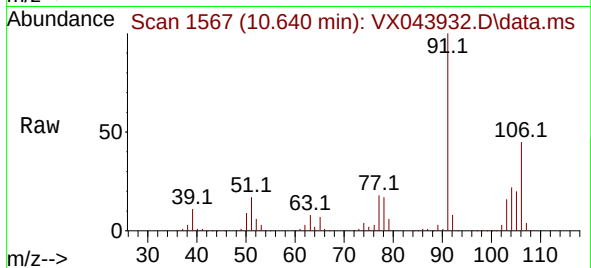
ICVX112124

Tgt Ion:106 Resp: 138437

Ion Ratio Lower Upper

106 100

91 223.5 110.2 330.6



#70

Styrene

Concen: 51.728 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

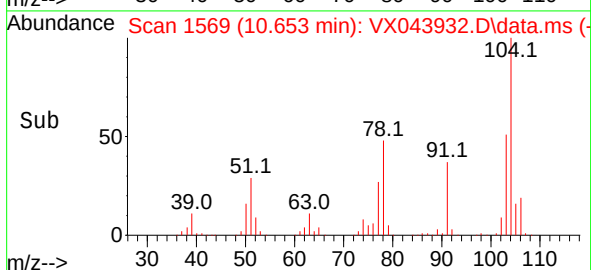
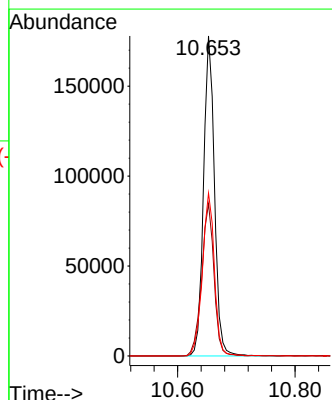
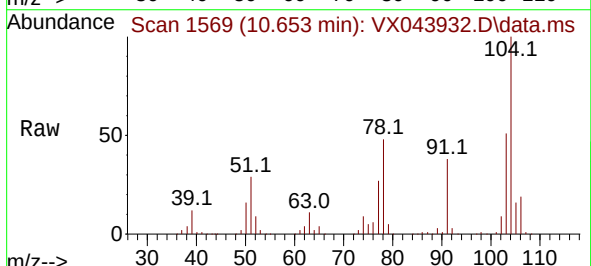
Tgt Ion:104 Resp: 230449

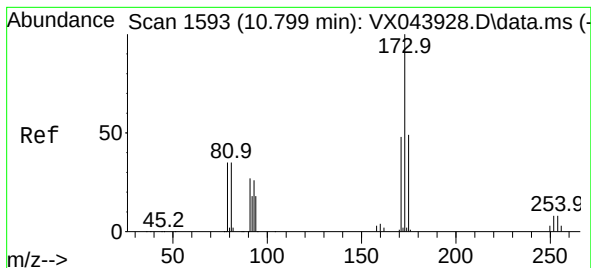
Ion Ratio Lower Upper

104 100

78 53.9 42.2 63.2

103 56.0 44.7 67.1





#71

Bromoform

Concen: 47.449 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

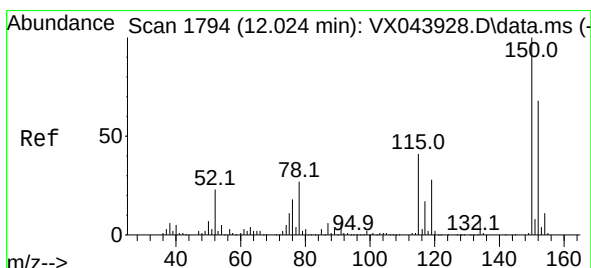
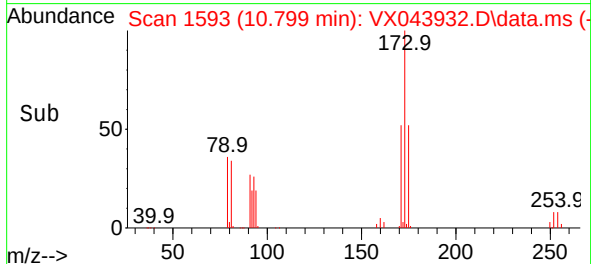
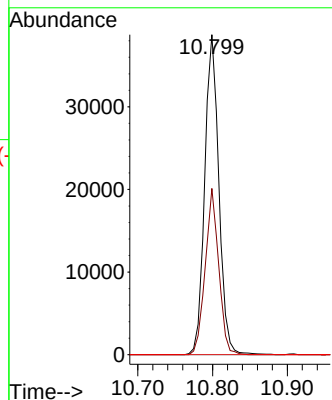
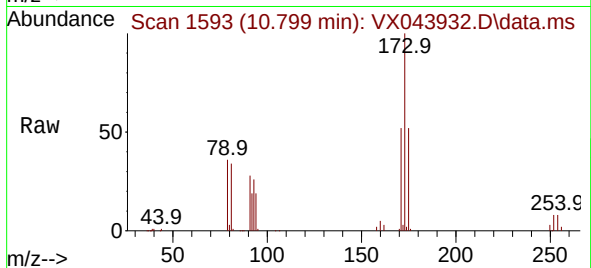
Tgt Ion:173 Resp: 50837

Ion Ratio Lower Upper

173 100

175 49.5 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

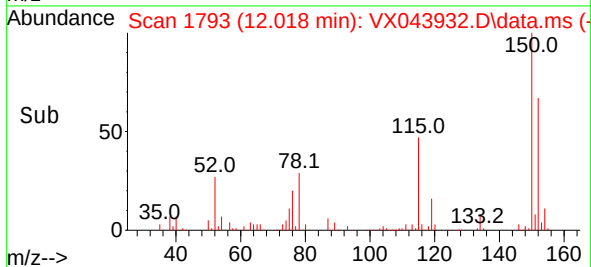
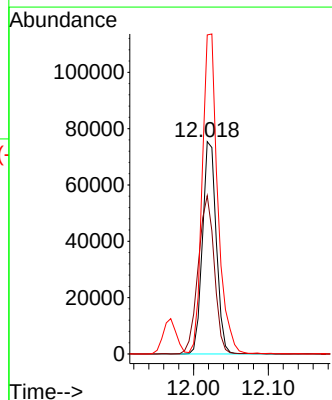
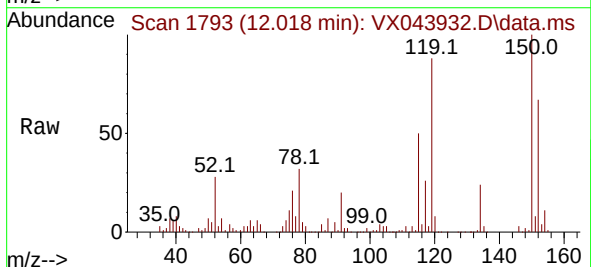
Tgt Ion:152 Resp: 96489

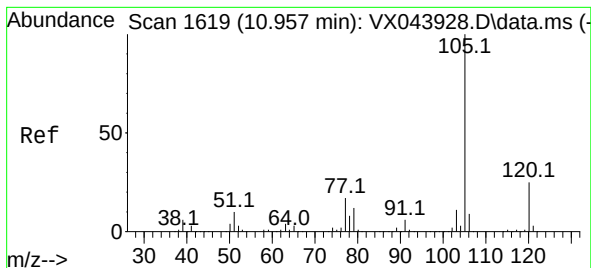
Ion Ratio Lower Upper

152 100

115 87.3 45.4 136.2

150 169.5 0.0 353.0





#73

Isopropylbenzene

Concen: 49.222 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

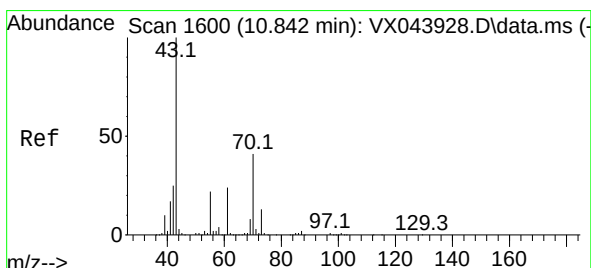
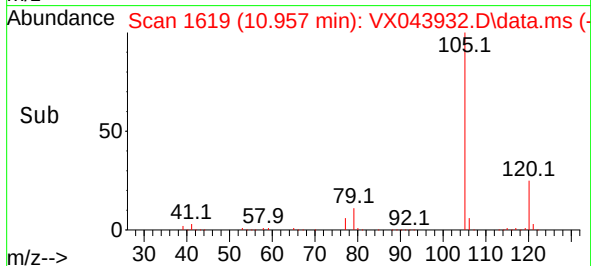
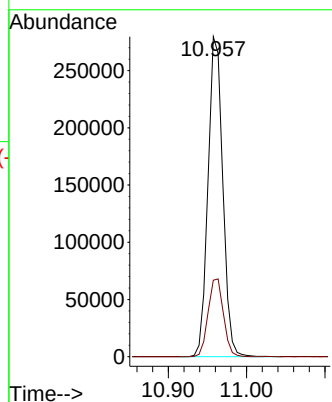
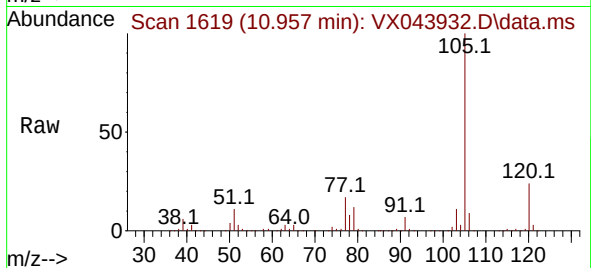
ICVXX112124

Tgt Ion:105 Resp: 365084

Ion Ratio Lower Upper

105 100

120 25.3 13.0 38.9



#74

N-ethyl acetate

Concen: 51.406 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Tgt Ion: 43 Resp: 176627

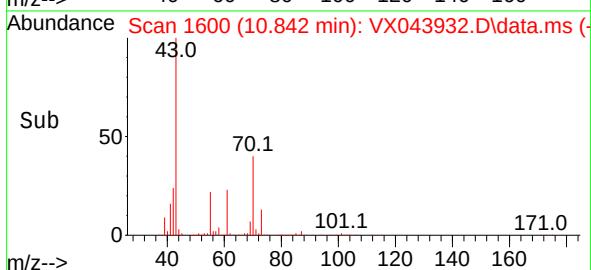
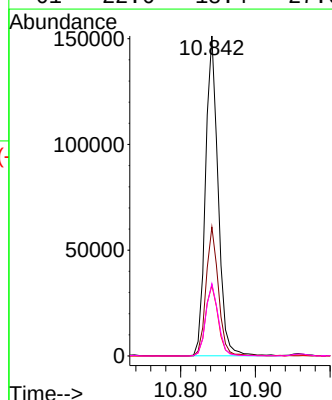
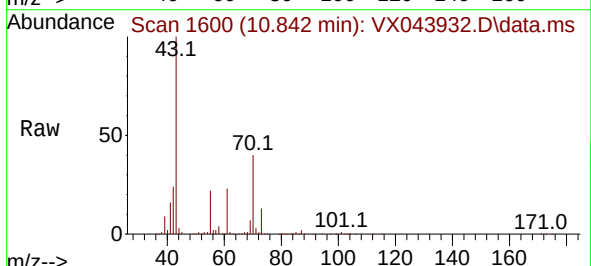
Ion Ratio Lower Upper

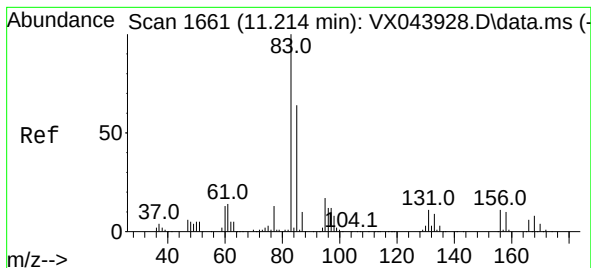
43 100

70 39.7 32.2 48.2

55 22.4 18.1 27.1

61 22.6 18.4 27.6

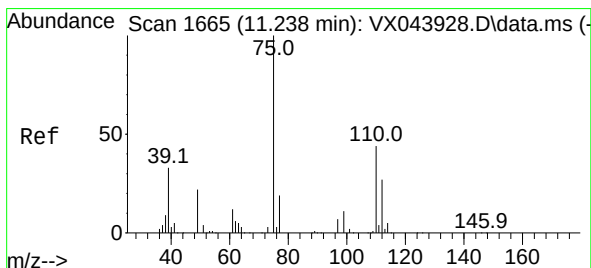
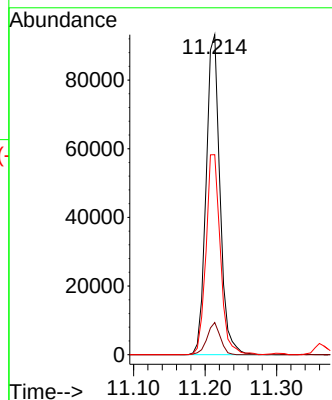
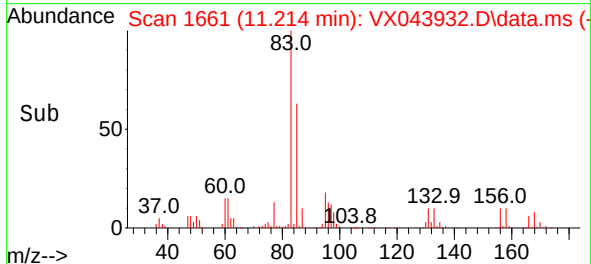
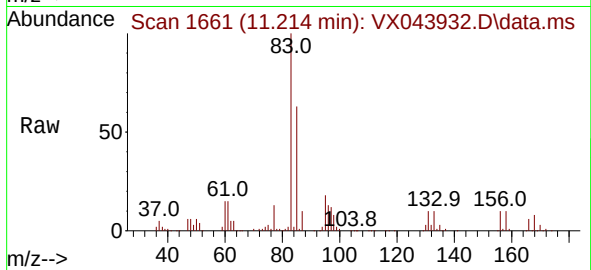




#75  
1,1,2,2-Tetrachloroethane  
Concen: 49.356 ug/l  
RT: 11.214 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

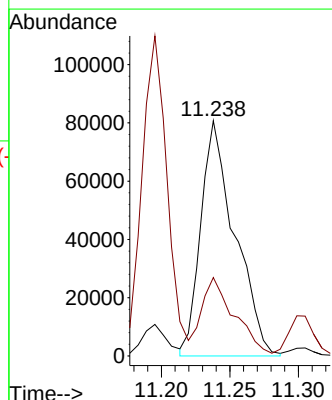
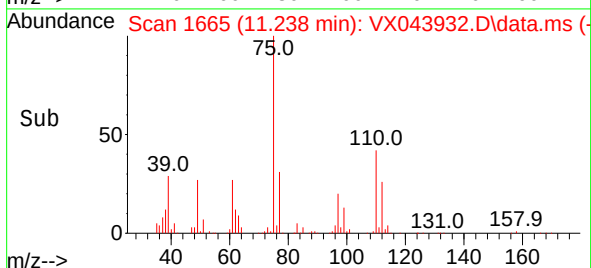
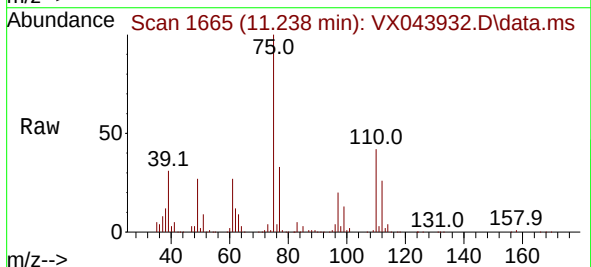
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

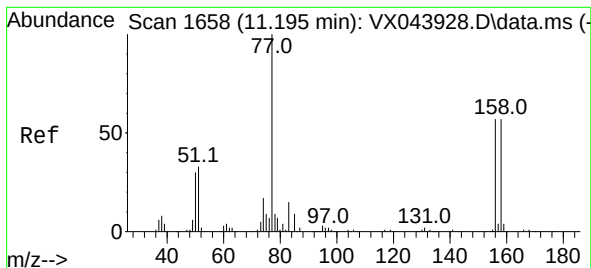
Tgt Ion: 83 Resp: 125346  
Ion Ratio Lower Upper  
83 100  
131 9.6 5.1 15.2  
85 64.9 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 66.099 ug/l  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 75 Resp: 139865  
Ion Ratio Lower Upper  
75 100  
77 32.3 21.8 65.3





#77

Bromobenzene

Concen: 48.081 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

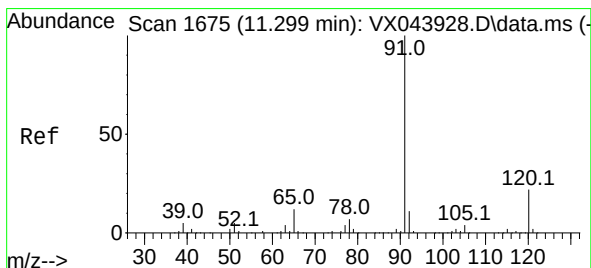
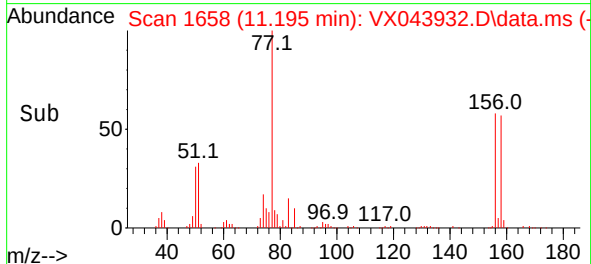
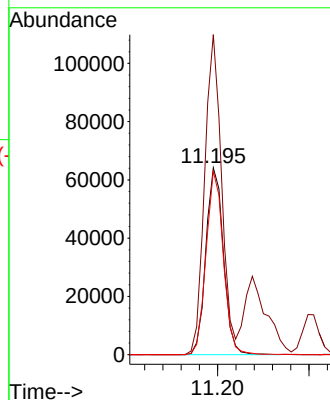
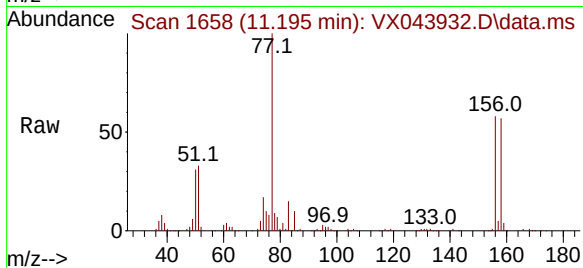
Tgt Ion:156 Resp: 85070

Ion Ratio Lower Upper

156 100

77 165.4 83.4 250.1

158 96.9 47.6 142.8



#78

n-propylbenzene

Concen: 50.652 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043932.D

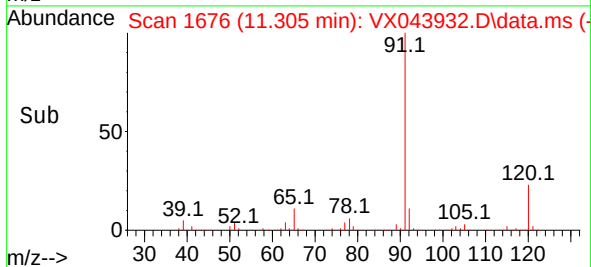
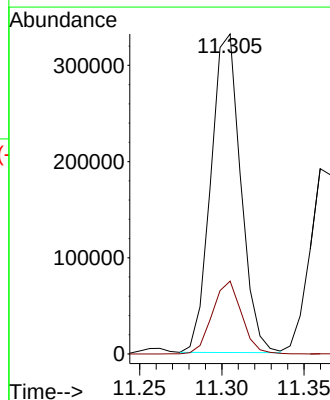
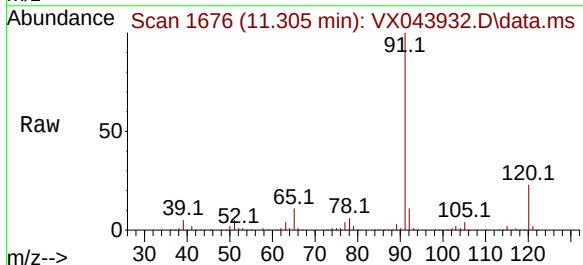
Acq: 21 Nov 2024 13:57

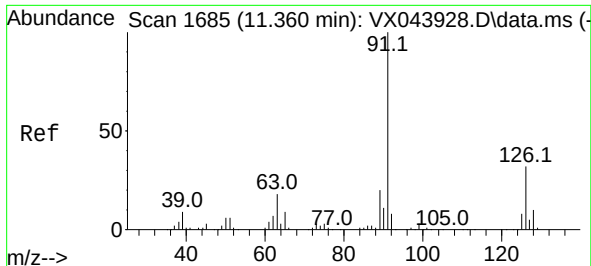
Tgt Ion: 91 Resp: 419586

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4





#79

2-Chlorotoluene

Concen: 47.551 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

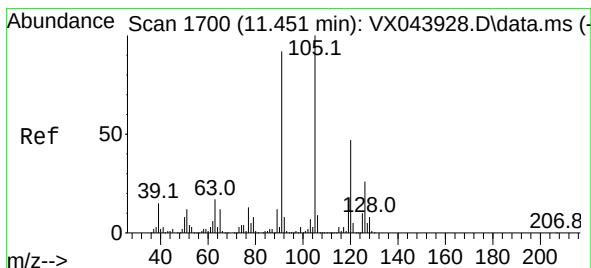
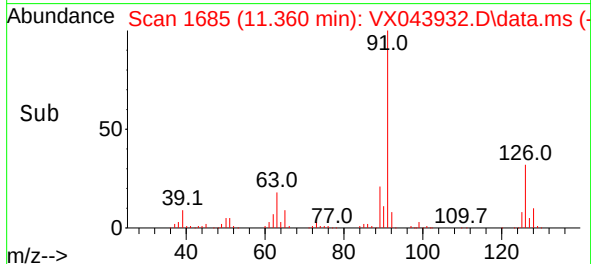
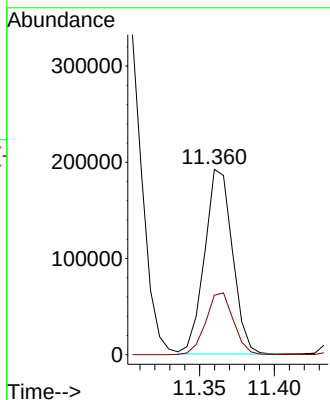
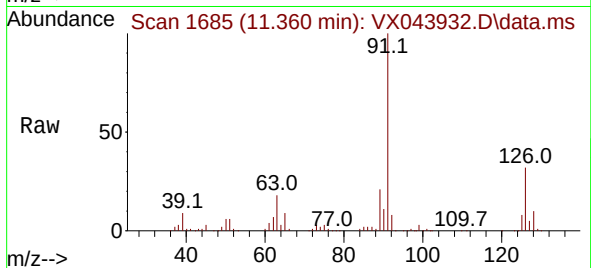
ICVVX112124

Tgt Ion: 91 Resp: 249079

Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 50.134 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043932.D

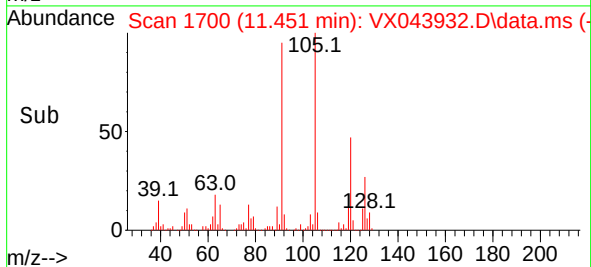
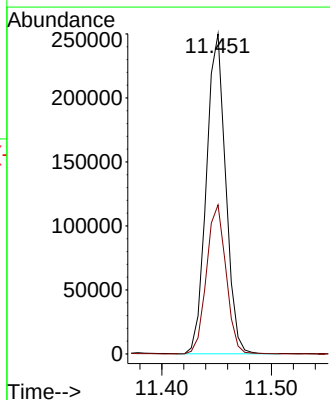
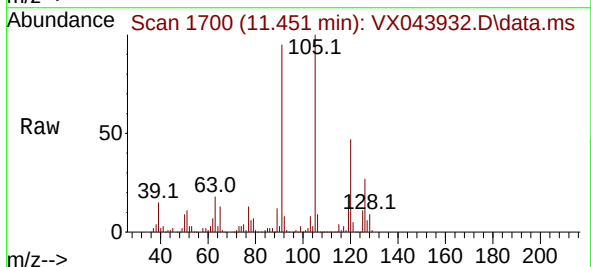
Acq: 21 Nov 2024 13:57

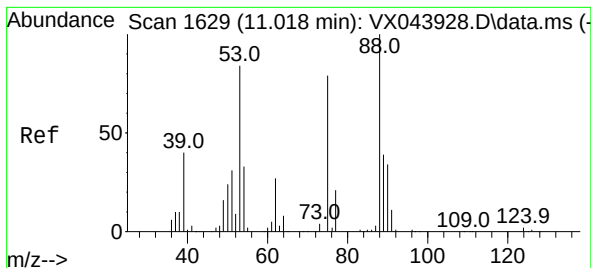
Tgt Ion:105 Resp: 305922

Ion Ratio Lower Upper

105 100

120 47.3 23.3 69.8

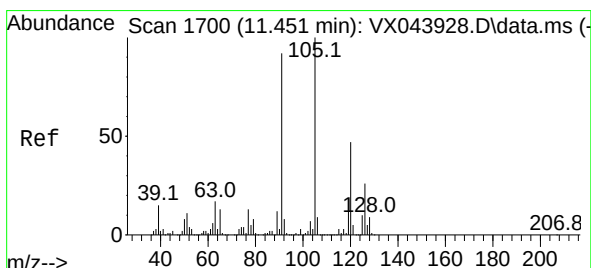
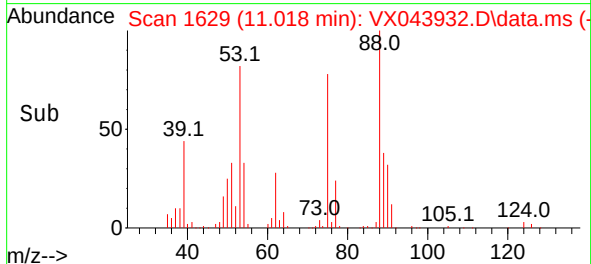
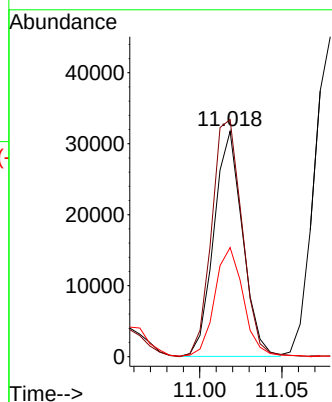
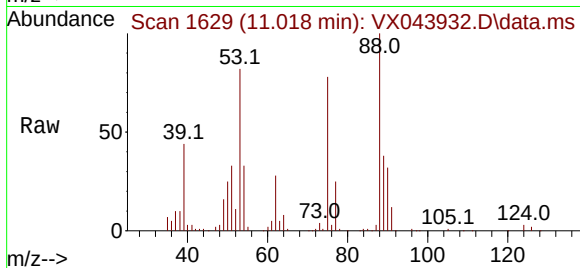




#81  
trans-1,4-Dichloro-2-butene  
Concen: 49.756 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

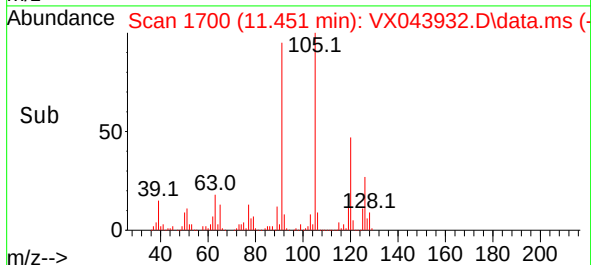
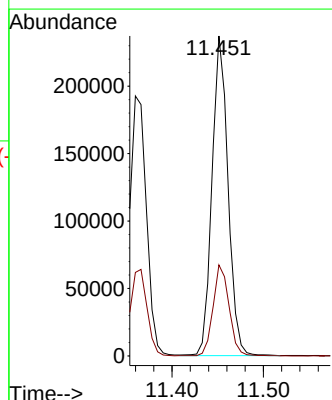
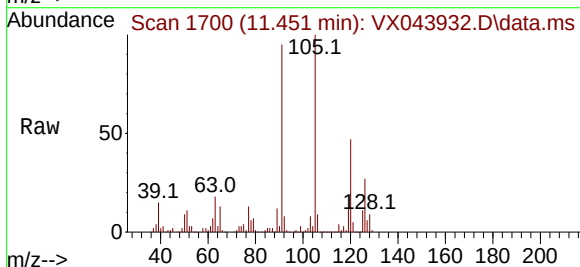
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

Tgt Ion: 75 Resp: 38583  
Ion Ratio Lower Upper  
75 100  
53 111.7 86.7 130.1  
89 48.1 38.2 57.2

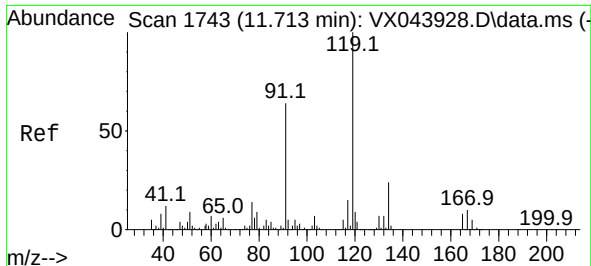


#82  
4-Chlorotoluene  
Concen: 48.652 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion: 91 Resp: 287717  
Ion Ratio Lower Upper  
91 100  
126 28.6 14.3 42.9



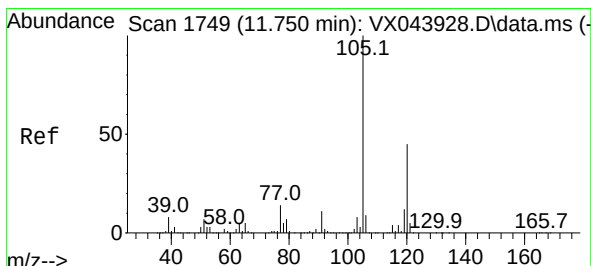
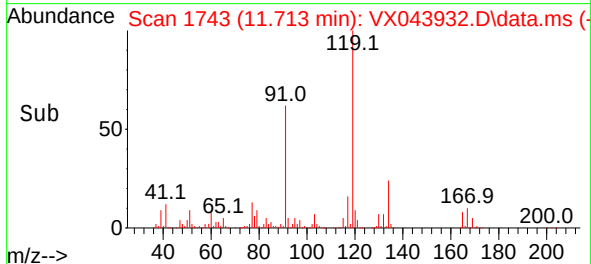
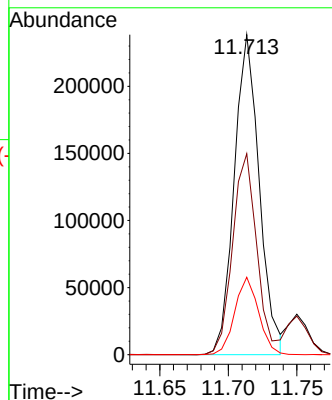
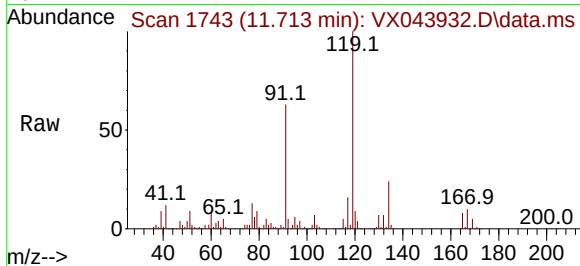




#83  
tert-Butylbenzene  
Concen: 50.165 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

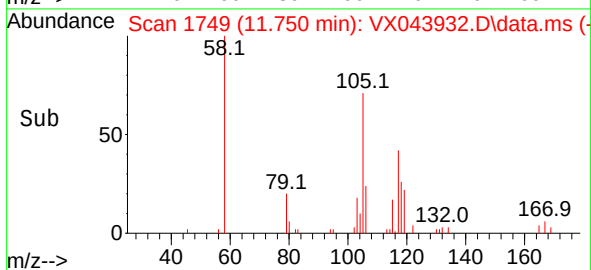
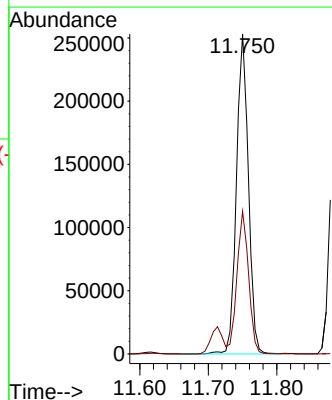
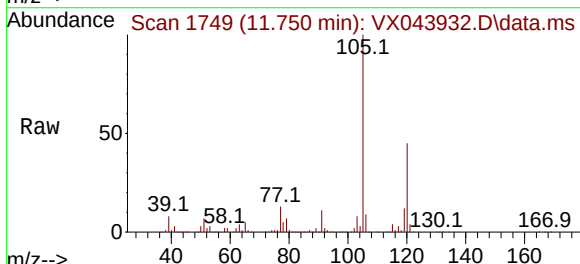
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVX112124

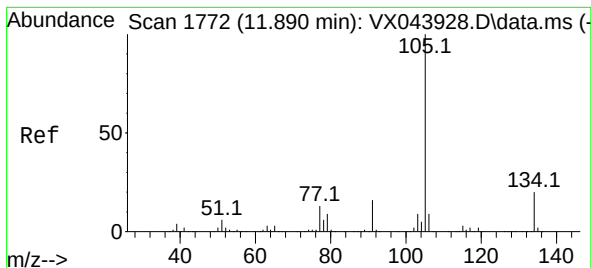
Tgt Ion:119 Resp: 303408  
Ion Ratio Lower Upper  
119 100  
91 61.2 31.0 93.0  
134 23.1 11.6 34.8



#84  
1,2,4-Trimethylbenzene  
Concen: 50.410 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion:105 Resp: 306251  
Ion Ratio Lower Upper  
105 100  
120 43.8 21.9 65.7

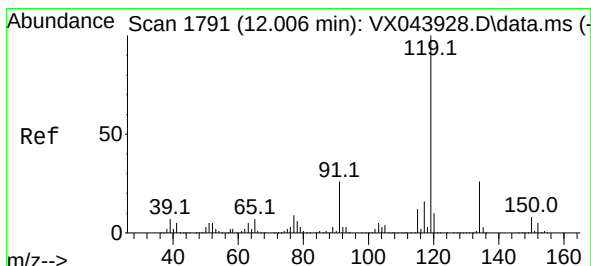
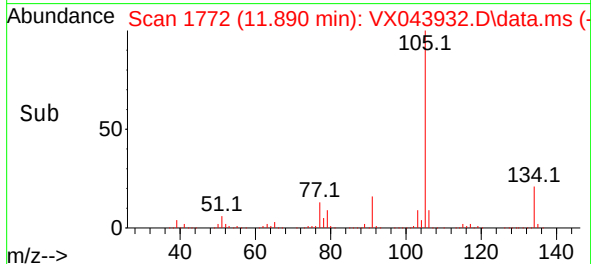
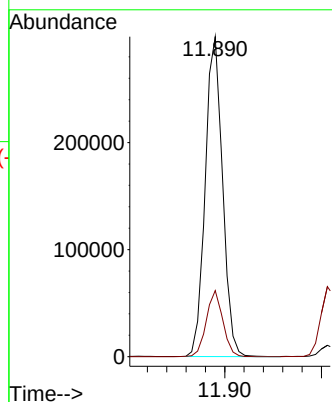
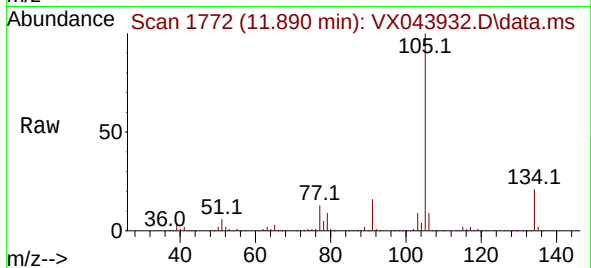




#85  
sec-Butylbenzene  
Concen: 50.307 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

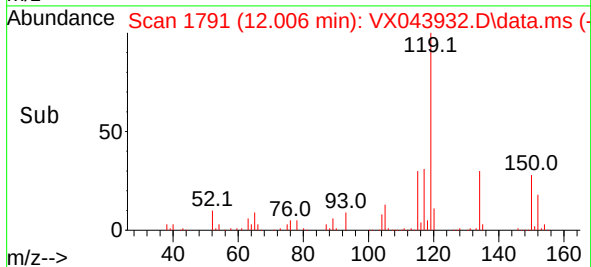
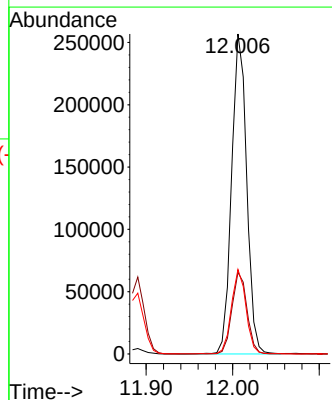
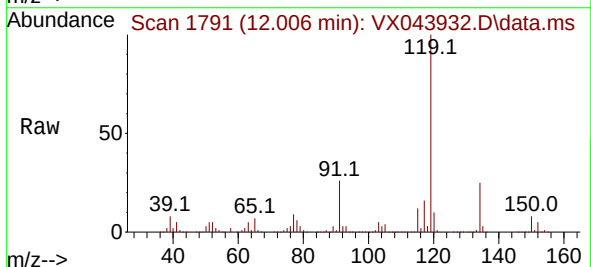
Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX112124

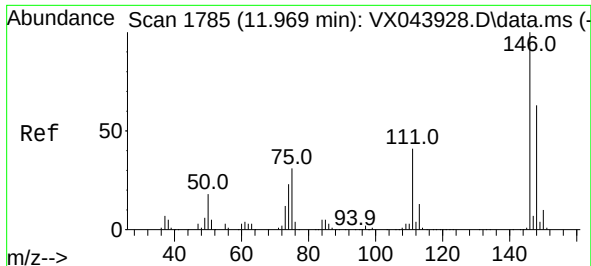
Tgt Ion:105 Resp: 372793  
Ion Ratio Lower Upper  
105 100  
134 19.8 9.7 29.1



#86  
p-Isopropyltoluene  
Concen: 51.511 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX043932.D  
Acq: 21 Nov 2024 13:57

Tgt Ion:119 Resp: 310060  
Ion Ratio Lower Upper  
119 100  
134 25.6 13.0 38.9  
91 25.7 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.529 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

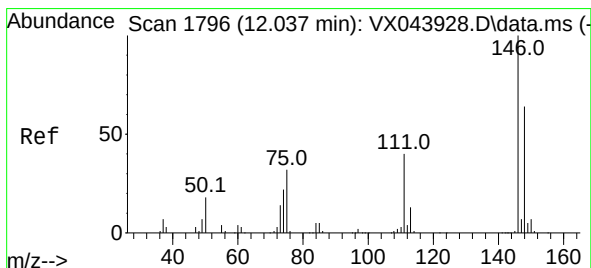
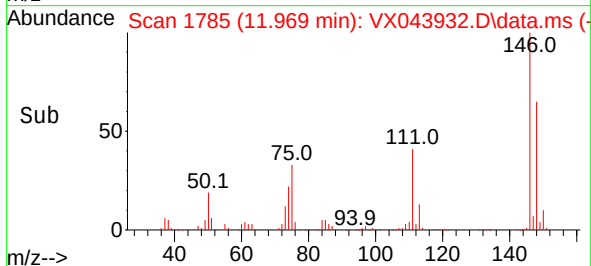
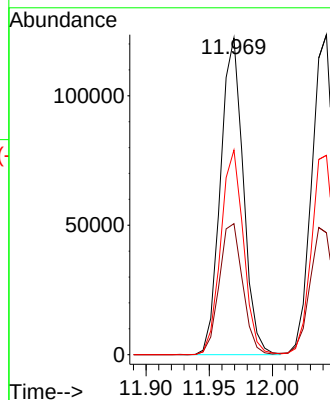
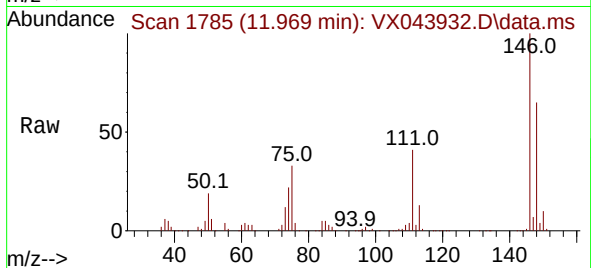
Tgt Ion:146 Resp: 153164

Ion Ratio Lower Upper

146 100

111 42.6 21.1 63.3

148 64.4 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 47.306 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

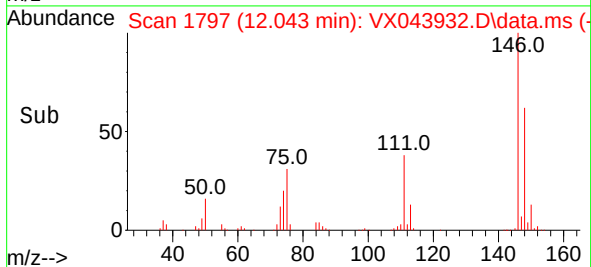
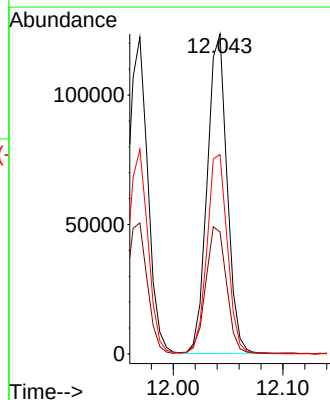
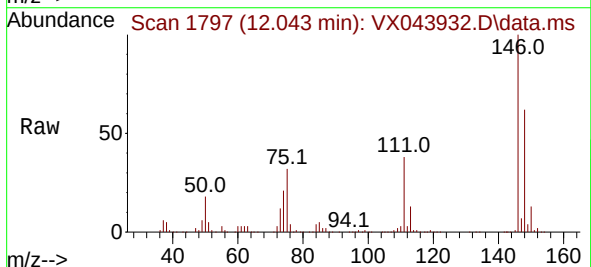
Tgt Ion:146 Resp: 155422

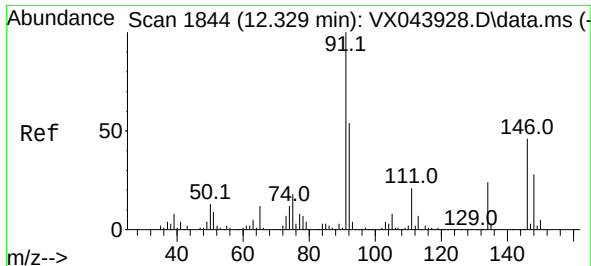
Ion Ratio Lower Upper

146 100

111 42.0 20.1 60.3

148 64.7 30.9 92.8





#89

n-Butylbenzene

Concen: 52.020 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVVX112124

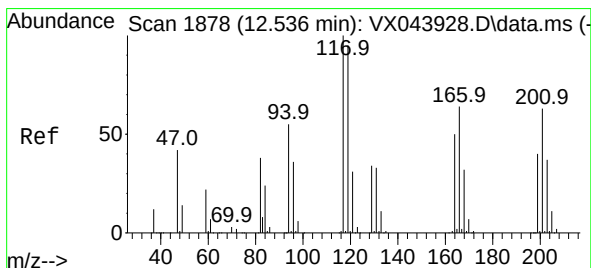
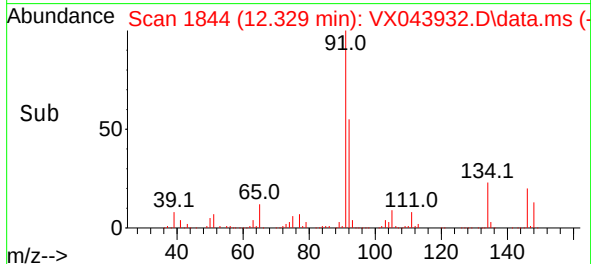
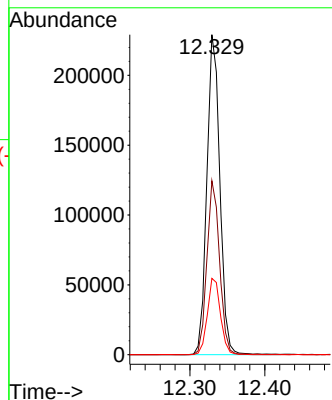
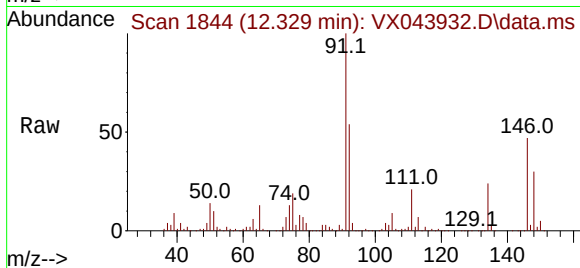
Tgt Ion: 91 Resp: 276075

Ion Ratio Lower Upper

91 100

92 53.1 26.6 79.8

134 24.0 12.4 37.2



#90

Hexachloroethane

Concen: 50.050 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043932.D

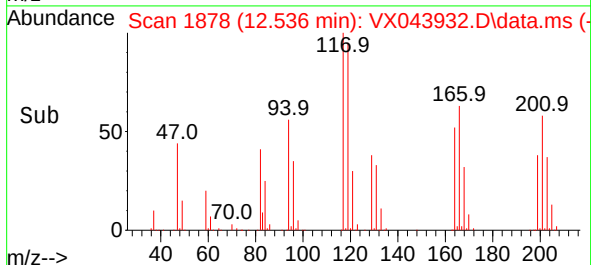
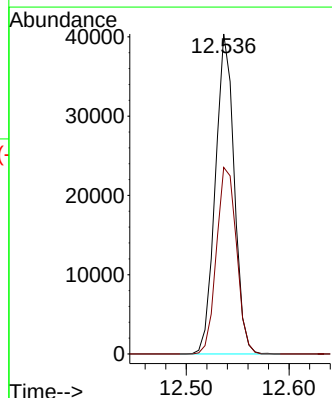
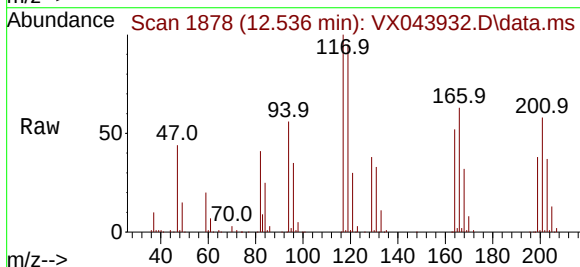
Acq: 21 Nov 2024 13:57

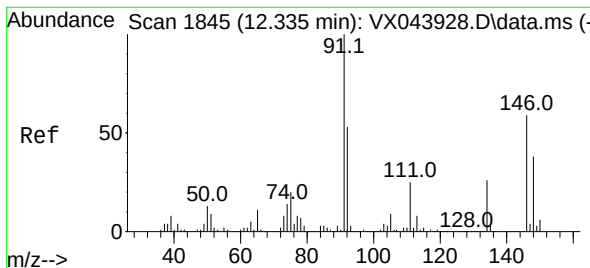
Tgt Ion: 117 Resp: 51229

Ion Ratio Lower Upper

117 100

201 62.2 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 47.656 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

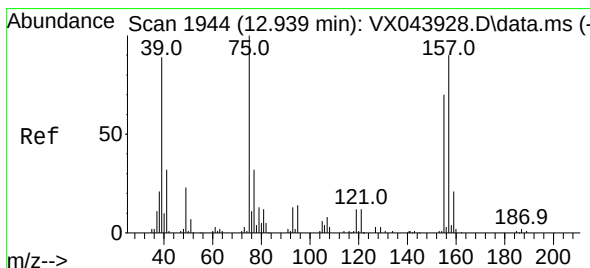
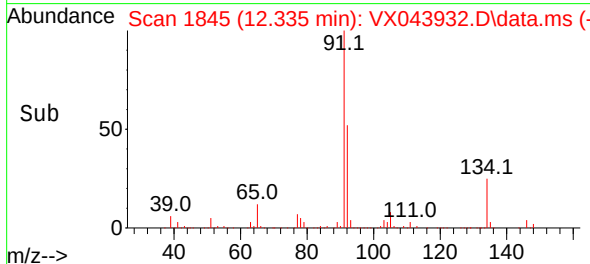
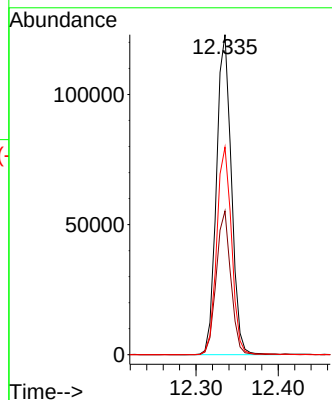
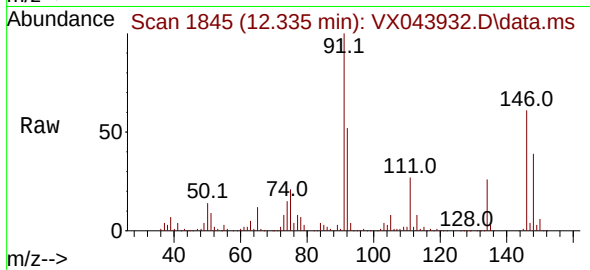
Tgt Ion:146 Resp: 154980

Ion Ratio Lower Upper

146 100

111 43.9 21.5 64.5

148 64.3 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 51.030 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

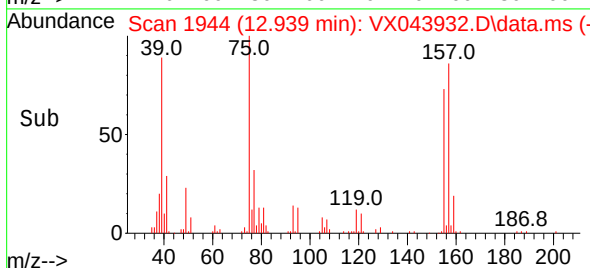
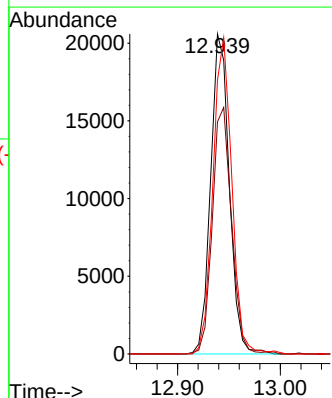
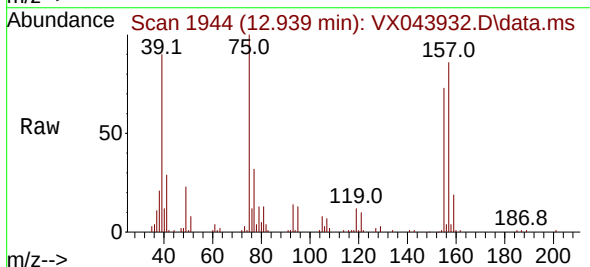
Tgt Ion: 75 Resp: 25968

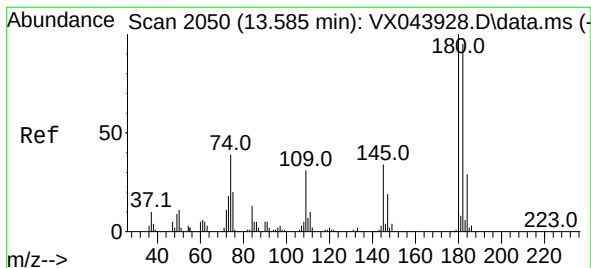
Ion Ratio Lower Upper

75 100

155 79.4 40.1 120.2

157 99.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 49.495 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

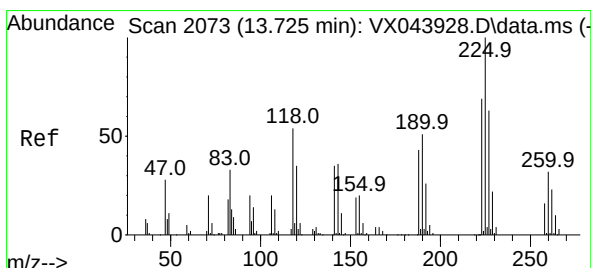
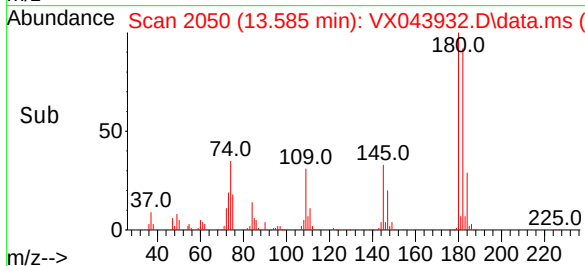
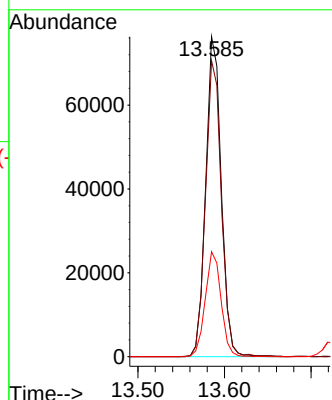
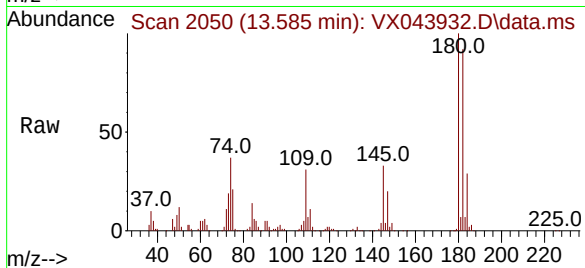
Tgt Ion:180 Resp: 94896

Ion Ratio Lower Upper

180 100

182 94.6 48.0 144.2

145 33.6 16.8 50.4



#94

Hexachlorobutadiene

Concen: 50.065 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

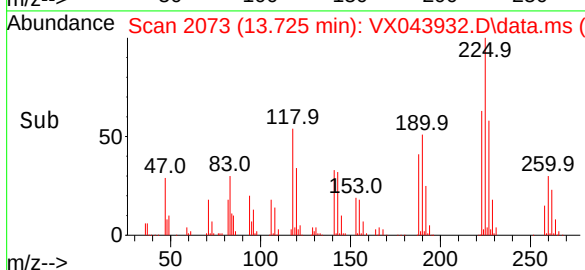
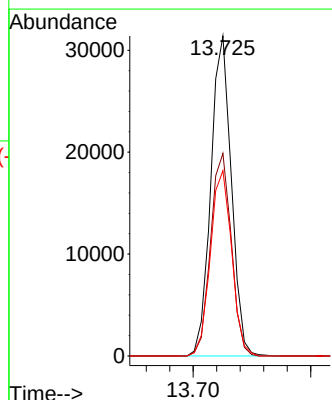
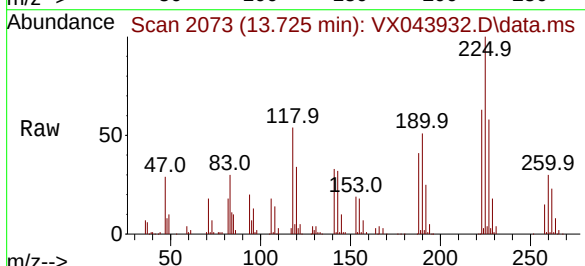
Tgt Ion:225 Resp: 37937

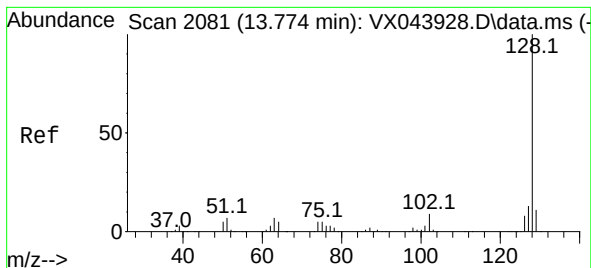
Ion Ratio Lower Upper

225 100

223 64.1 32.9 98.6

227 60.3 31.6 94.8





#95

Naphthalene

Concen: 51.831 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

Instrument :

MSVOA\_X

ClientSampleId :

ICVX112124

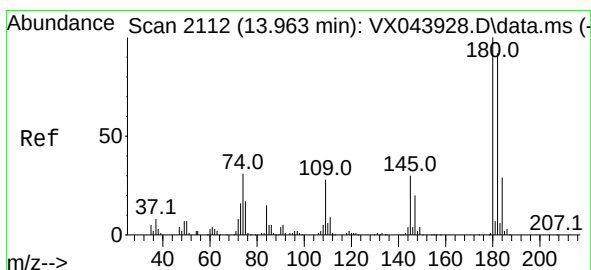
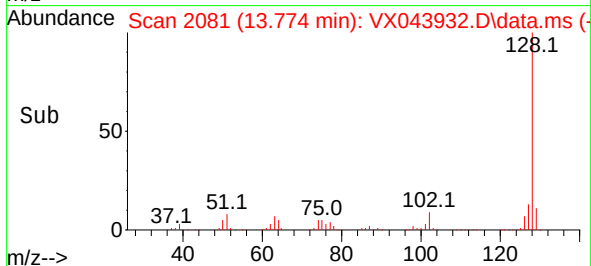
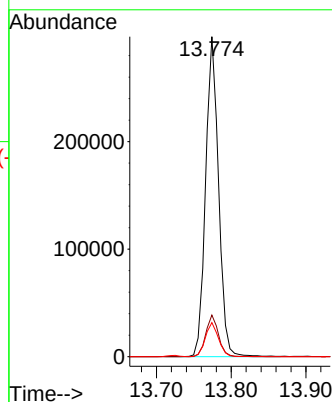
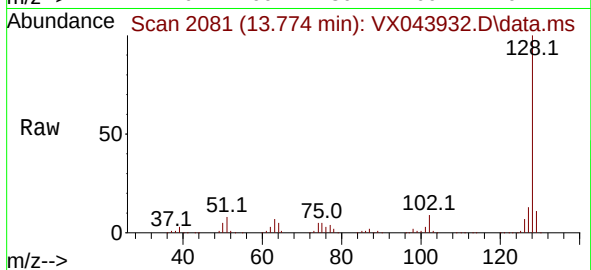
Tgt Ion:128 Resp: 357725

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.2

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 51.246 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX043932.D

Acq: 21 Nov 2024 13:57

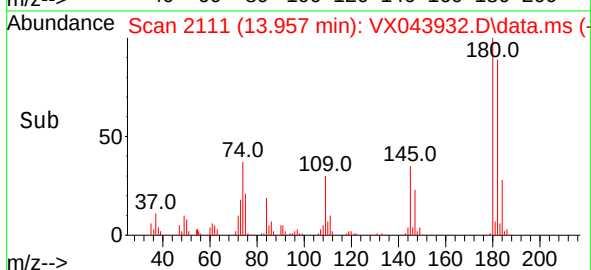
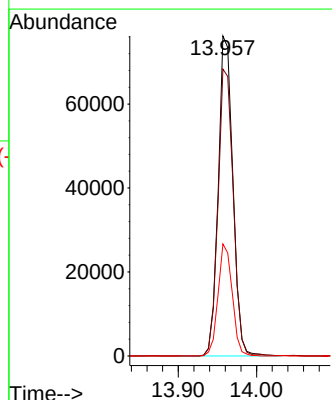
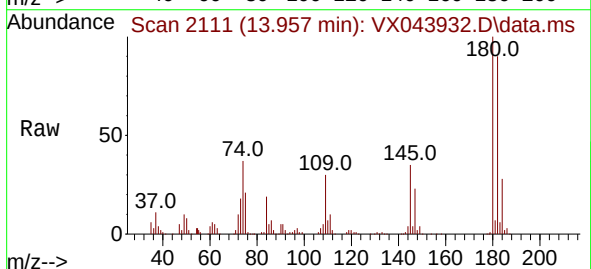
Tgt Ion:180 Resp: 99447

Ion Ratio Lower Upper

180 100

182 92.9 45.6 136.8

145 33.9 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDC0050

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 119844   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 210147   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 179277   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 88069    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 100999   | 49.135   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 98.280%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 75489    | 50.272   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 100.540% |
| 50) Toluene-d8              | 8.641  | 98    | 262790   | 50.769   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.540% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 91050    | 51.686   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 103.380% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 83769   | 55.175  | ug/l   | 99  |
| 3) Chloromethane             | 1.295 | 50  | 87811   | 54.963  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.374 | 62  | 88877   | 52.301  | ug/l   | 99  |
| 5) Bromomethane              | 1.593 | 94  | 54869   | 52.486  | ug/l   | 98  |
| 6) Chloroethane              | 1.666 | 64  | 50225   | 48.505  | ug/l   | 98  |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 177113  | 58.296  | ug/l   | 97  |
| 8) Diethyl Ether             | 2.130 | 74  | 56649   | 51.158  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 78101   | 53.892  | ug/l   | 99  |
| 10) Methyl Iodide            | 2.441 | 142 | 94503   | 52.213  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 3.002 | 59  | 78161   | 236.901 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 70195   | 50.831  | ug/l   | 93  |
| 13) Acrolein                 | 2.233 | 56  | 87414   | 251.363 | ug/l   | 96  |
| 14) Allyl chloride           | 2.654 | 41  | 121345  | 53.777  | ug/l   | 98  |
| 15) Acrylonitrile            | 3.063 | 53  | 213507  | 265.550 | ug/l   | 99  |
| 16) Acetone                  | 2.386 | 43  | 236749  | 250.770 | ug/l   | 97  |
| 17) Carbon Disulfide         | 2.502 | 76  | 135635  | 47.616  | ug/l   | 98  |
| 18) Methyl Acetate           | 2.703 | 43  | 113509  | 51.629  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 267063  | 53.261  | ug/l   | 100 |
| 20) Methylene Chloride       | 2.782 | 84  | 81941   | 51.146  | ug/l   | 94  |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 74796   | 52.461  | ug/l   | 98  |
| 22) Diisopropyl ether        | 3.758 | 45  | 257734  | 53.416  | ug/l   | 95  |
| 23) Vinyl Acetate            | 3.715 | 43  | 1126489 | 272.921 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 150069  | 53.913  | ug/l   | 99  |
| 25) 2-Butanone               | 4.556 | 43  | 316605  | 259.902 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 130610  | 51.956  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 91683   | 52.023  | ug/l   | 98  |
| 28) Bromochloromethane       | 4.891 | 49  | 59099   | 48.235  | ug/l   | 99  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 192093  | 257.216 | ug/l   | 99  |
| 30) Chloroform               | 5.080 | 83  | 158800  | 53.043  | ug/l   | 96  |
| 31) Cyclohexane              | 5.458 | 56  | 122162  | 53.324  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 140772  | 54.526  | ug/l   | 100 |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 103967  | 55.562  | ug/l   | 98  |
| 37) Ethyl Acetate            | 4.715 | 43  | 121804  | 52.440  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 113421  | 53.945  | ug/l   | 98  |
| 39) Methylcyclohexane        | 7.373 | 83  | 133332  | 54.849  | ug/l   | 98  |
| 40) Benzene                  | 6.032 | 78  | 314837  | 54.016  | ug/l   | 99  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043950.D  
 Acq On : 22 Nov 2024 11:22  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 61474    | 51.710  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 127580   | 54.501  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 196481   | 53.153  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 77355    | 46.882  | ug/l   | 88       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 78579    | 55.044  | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 60885    | 53.916  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 110672   | 54.645  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 93037    | 52.453  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 30231    | 956.809 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 607788   | 269.433 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 191750   | 54.965  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 113533   | 54.971  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 122380   | 54.052  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 75441    | 52.387  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 121914   | 54.352  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 132364   | 54.563  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 301050   | 244.819 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 456702   | 269.358 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 77811    | 53.853  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 78690    | 54.040  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 64266    | 54.365  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.073 | 112  | 207265   | 52.640  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 70047    | 54.854  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 369374   | 55.362  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 275579   | 110.758 | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 134066   | 55.187  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 225568   | 56.140  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 47233    | 48.773  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 352296   | 52.039  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 162994   | 51.973  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 119153   | 51.403  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 131164   | 67.913  | ug/l   | 82       |
| 77) Bromobenzene              | 11.195 | 156  | 82907    | 51.338  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 406514   | 53.765  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 246574   | 51.573  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 295006   | 52.968  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 34321    | 48.492  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 281758   | 52.200  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 291225   | 52.754  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 299186   | 53.956  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 360460   | 53.293  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 304159   | 55.361  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 153209   | 52.089  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 154469   | 51.511  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 268422   | 55.414  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 47025    | 50.336  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 155184   | 52.281  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 24188    | 52.076  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 94940    | 54.252  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 35816    | 51.785  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 347826   | 55.215  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 97491    | 55.041  | ug/l   | 97       |

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Data File : VX043950.D  
Acq On : 22 Nov 2024 11:22  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

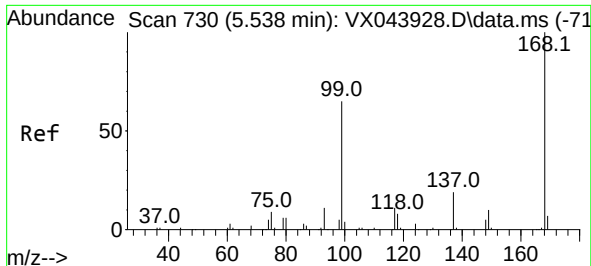
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Quant Time: Nov 22 22:17:35 2024  
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Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

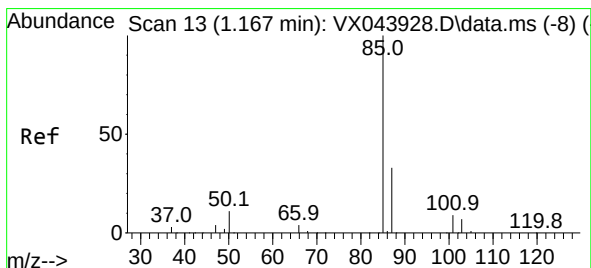
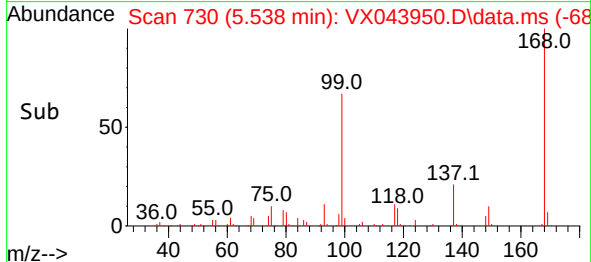
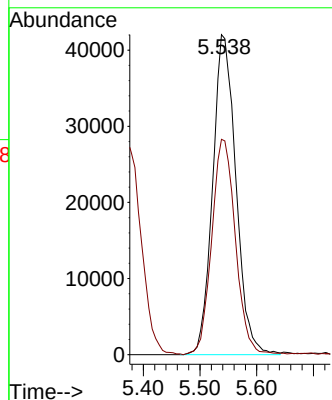
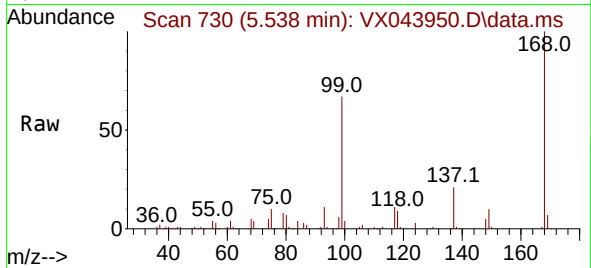




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

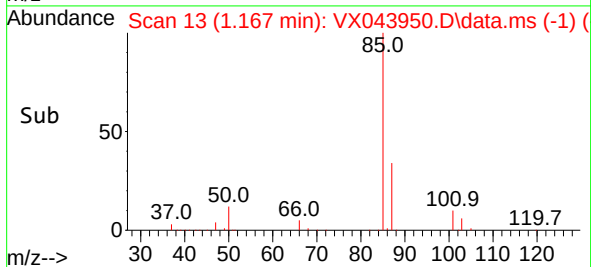
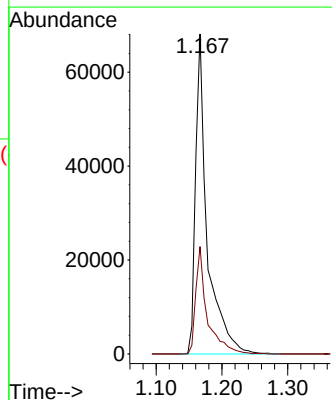
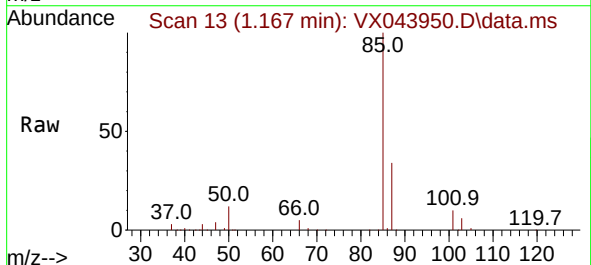
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MSVOA\_X  
ClientSampleId :  
VSTDCCC050

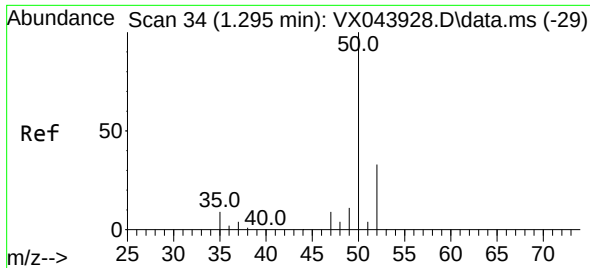
Tgt Ion:168 Resp: 119844  
Ion Ratio Lower Upper  
168 100  
99 67.1 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 55.175 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 85 Resp: 83769  
Ion Ratio Lower Upper  
85 100  
87 33.5 16.6 49.8

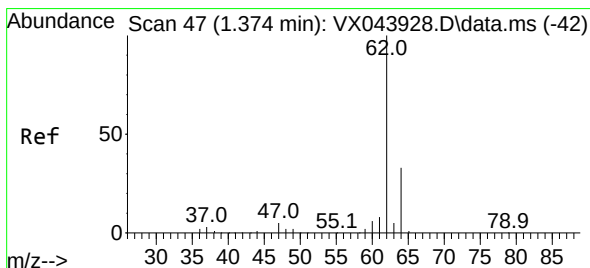
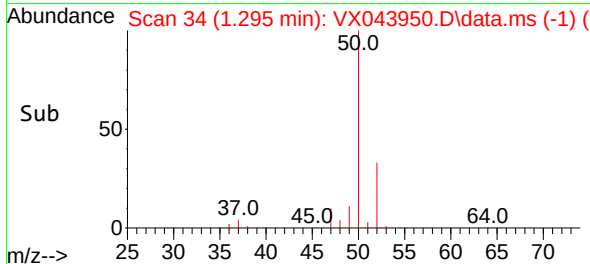
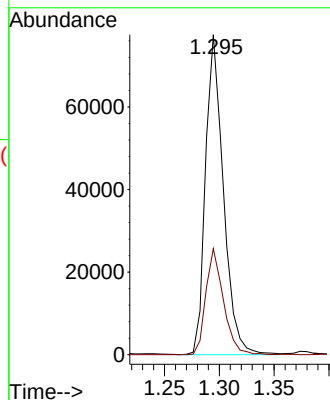
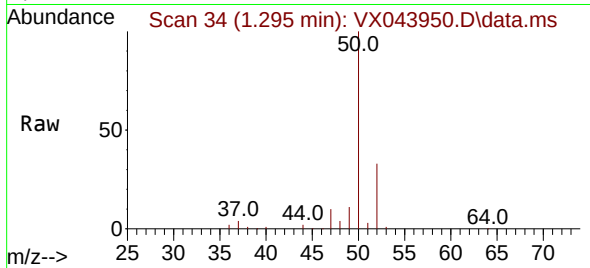




#3  
Chloromethane  
Concen: 54.963 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

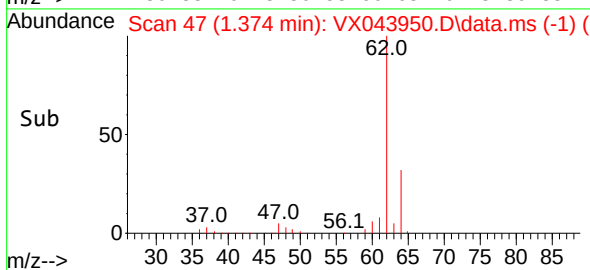
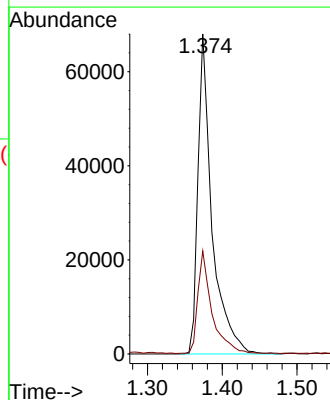
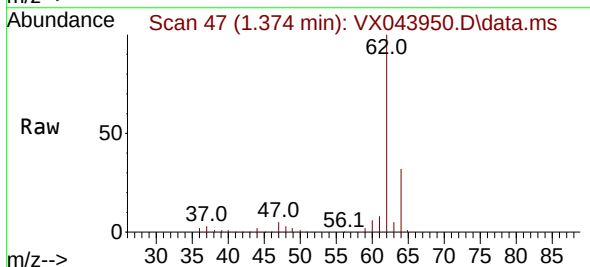
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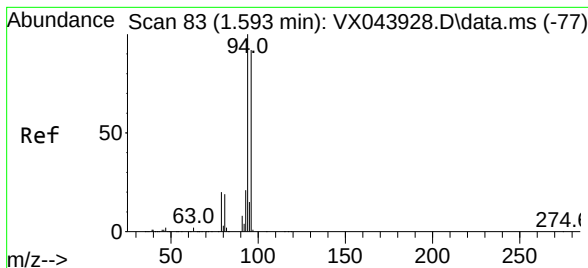
Tgt Ion: 50 Resp: 87811  
Ion Ratio Lower Upper  
50 100  
52 33.1 26.1 39.1



#4  
Vinyl Chloride  
Concen: 52.301 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 88877  
Ion Ratio Lower Upper  
62 100  
64 32.1 26.2 39.4





#5

Bromomethane

Concen: 52.486 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

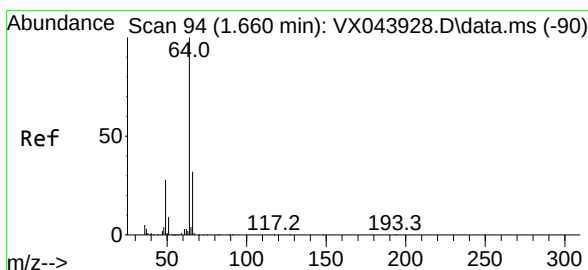
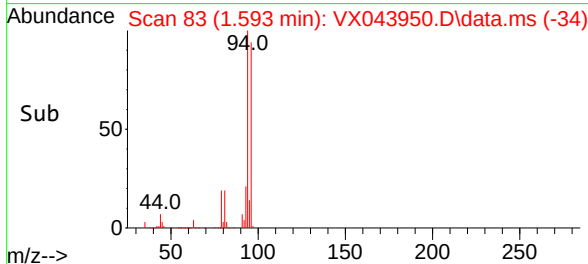
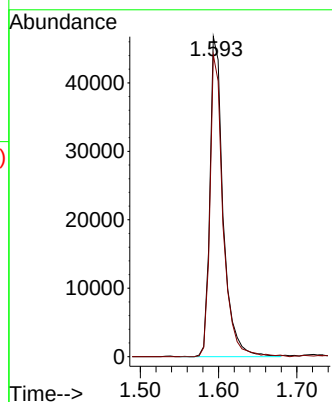
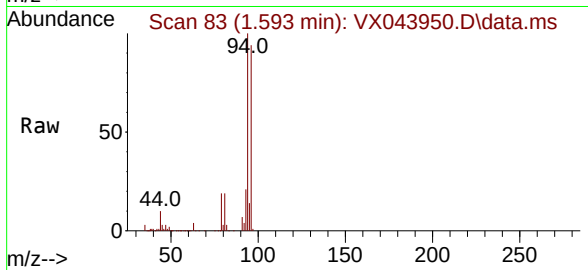
VSTDCCC050

Tgt Ion: 94 Resp: 54869

Ion Ratio Lower Upper

94 100

96 94.3 73.9 110.9



#6

Chloroethane

Concen: 48.505 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043950.D

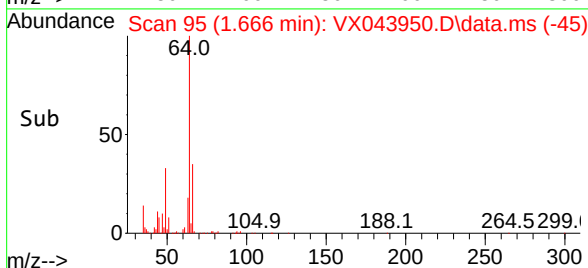
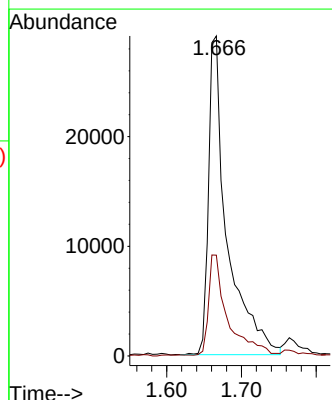
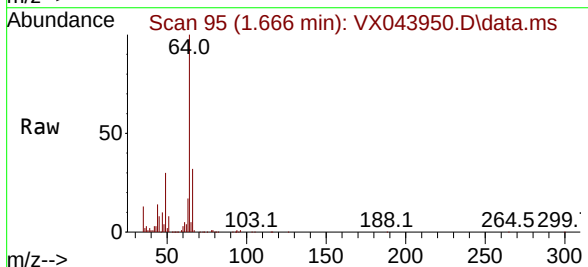
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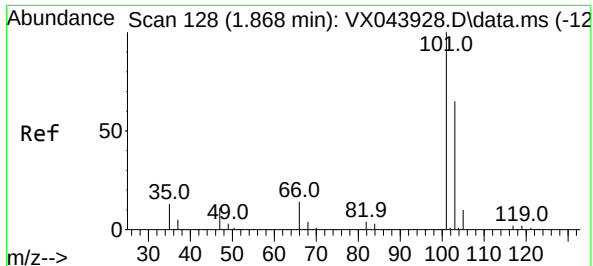
Tgt Ion: 64 Resp: 50225

Ion Ratio Lower Upper

64 100

66 31.3 25.9 38.9

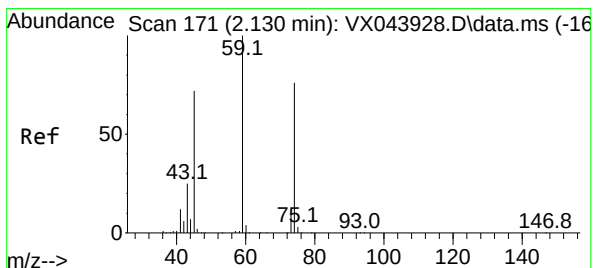
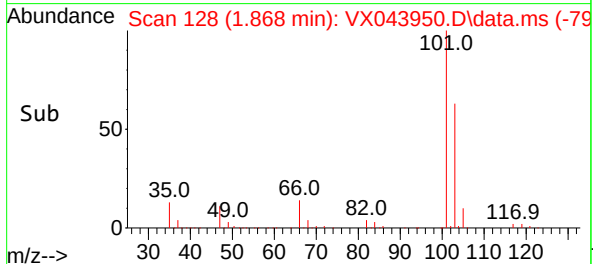
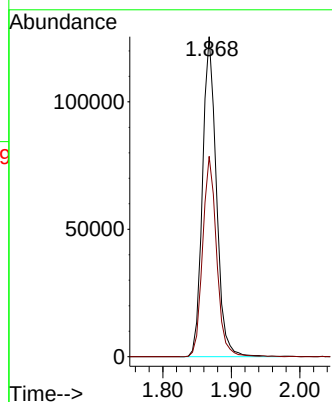
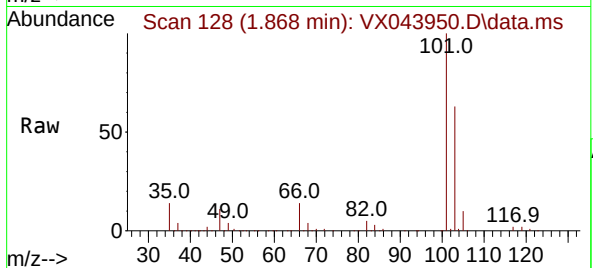




#7  
 Trichlorofluoromethane  
 Concen: 58.296 ug/l  
 RT: 1.868 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

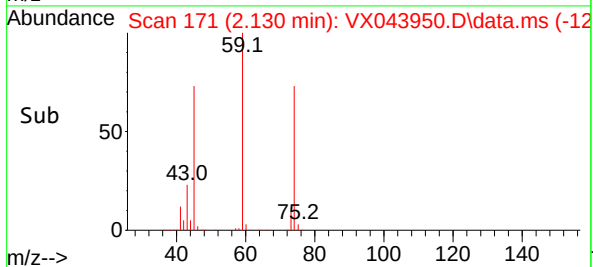
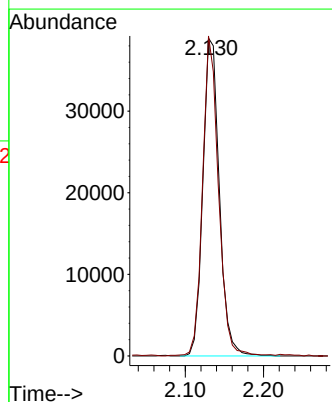
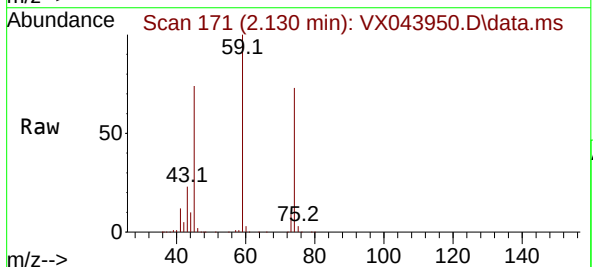
Instrument :  
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 ClientSampleId :  
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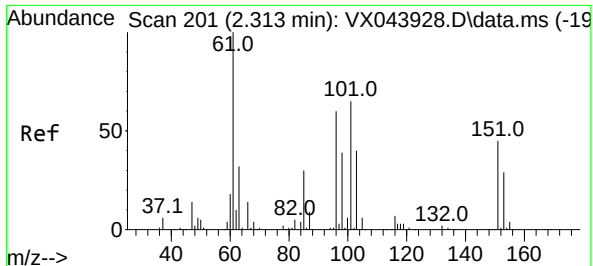
Tgt Ion:101 Resp: 177113  
 Ion Ratio Lower Upper  
 101 100  
 103 62.6 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 51.158 ug/l  
 RT: 2.130 min Scan# 171  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

Tgt Ion: 74 Resp: 56649  
 Ion Ratio Lower Upper  
 74 100  
 45 97.7 47.9 143.6

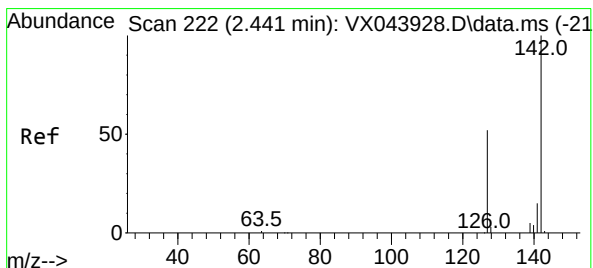
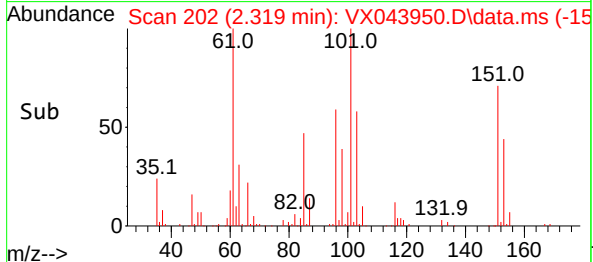
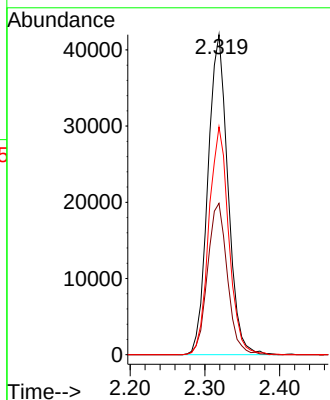
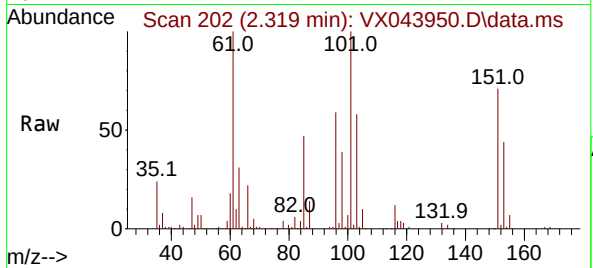




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 53.892 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

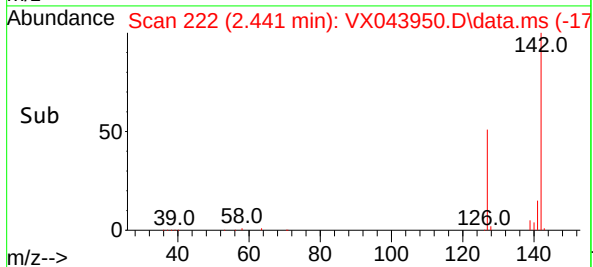
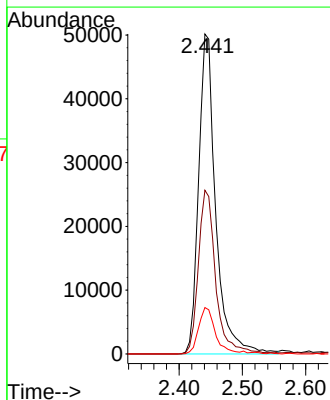
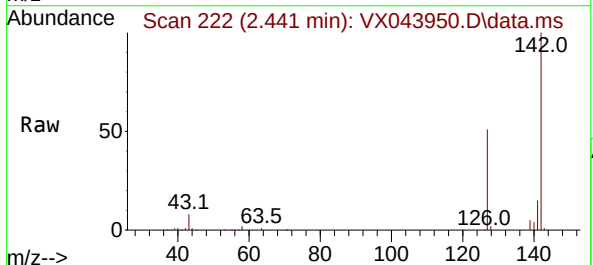
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:101 Resp: 78101  
Ion Ratio Lower Upper  
101 100  
85 47.1 37.9 56.9  
151 70.9 57.5 86.3

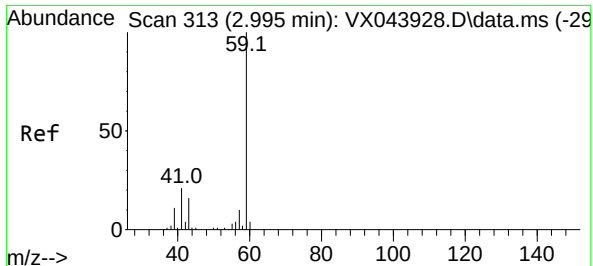


#10  
Methyl Iodide  
Concen: 52.213 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion:142 Resp: 94503  
Ion Ratio Lower Upper  
142 100  
127 52.2 40.7 61.1  
141 14.7 12.0 18.0



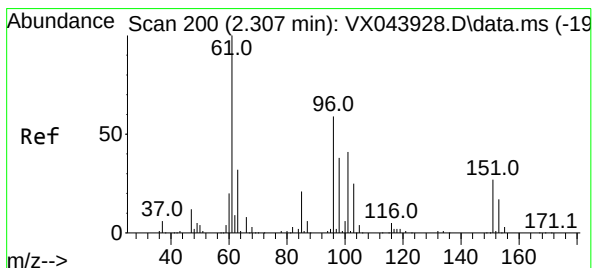
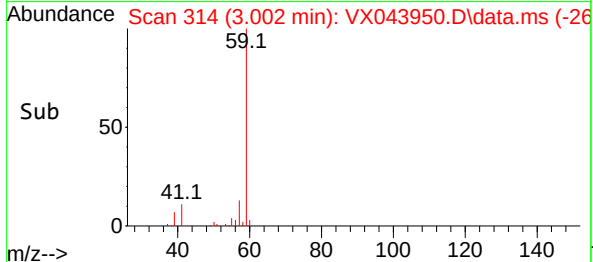
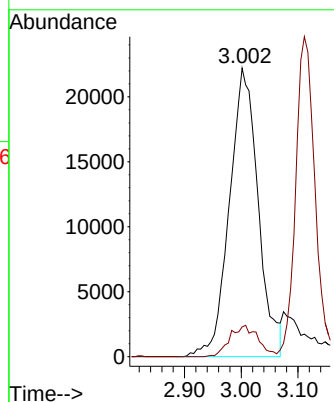
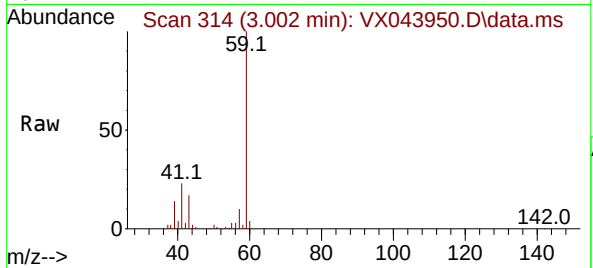




#11  
Tert butyl alcohol  
Concen: 236.901 ug/l  
RT: 3.002 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

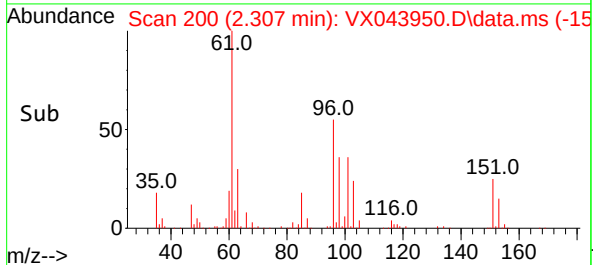
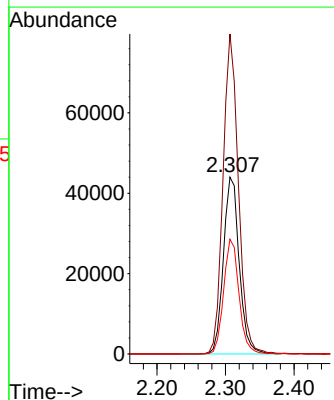
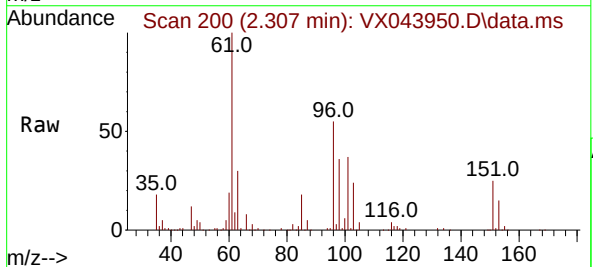
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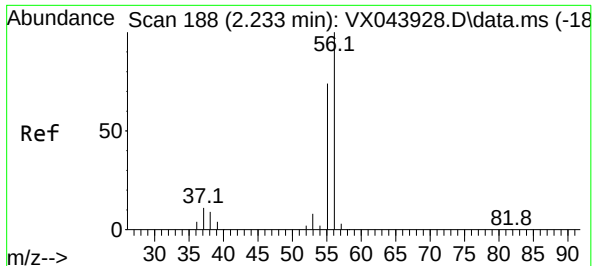
Tgt Ion: 59 Resp: 78161  
Ion Ratio Lower Upper  
59 100  
57 10.6 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 50.831 ug/l  
RT: 2.307 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 96 Resp: 70195  
Ion Ratio Lower Upper  
96 100  
61 181.0 135.5 203.3  
98 64.9 50.8 76.2

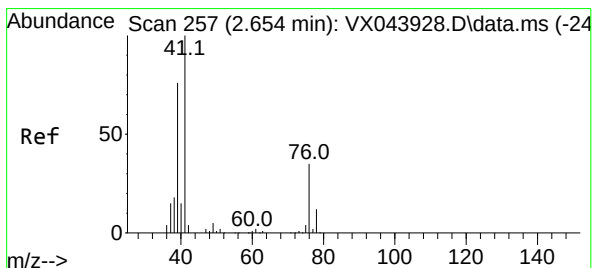
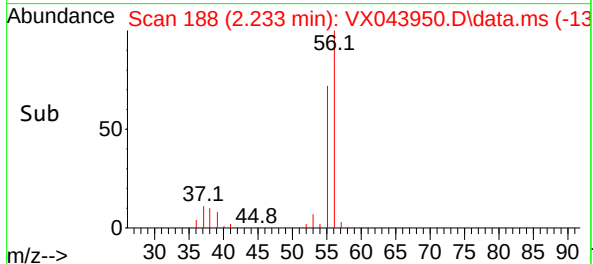
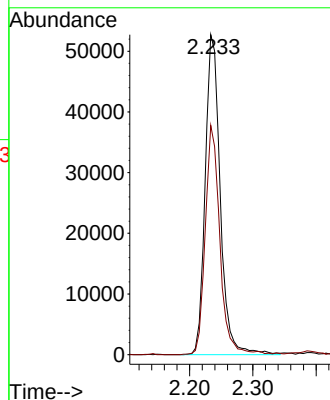
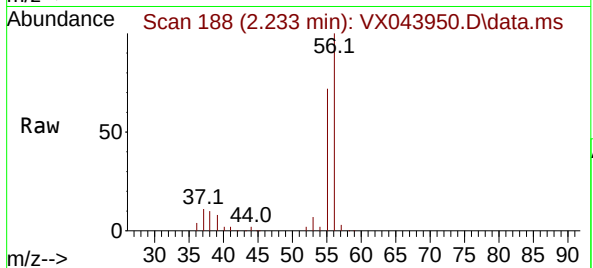




#13  
Acrolein  
Concen: 251.363 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

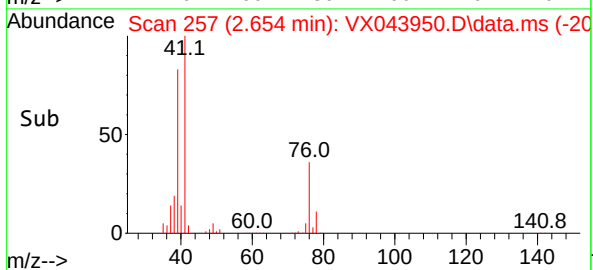
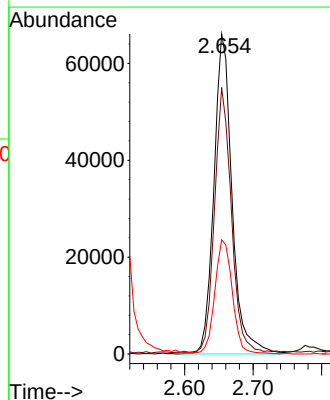
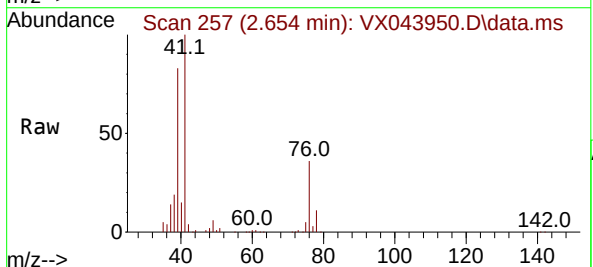
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

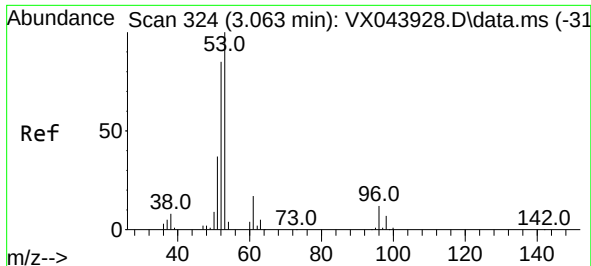
Tgt Ion: 56 Resp: 87414  
Ion Ratio Lower Upper  
56 100  
55 69.6 58.2 87.2



#14  
Allyl chloride  
Concen: 53.777 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 121345  
Ion Ratio Lower Upper  
41 100  
39 76.8 59.5 89.3  
76 34.5 27.4 41.2

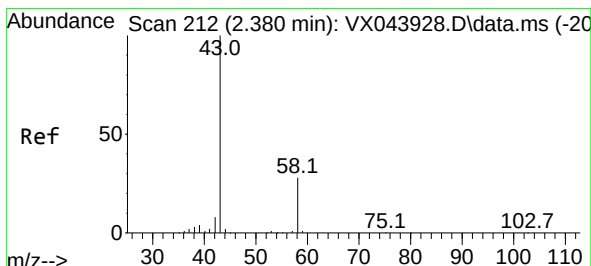
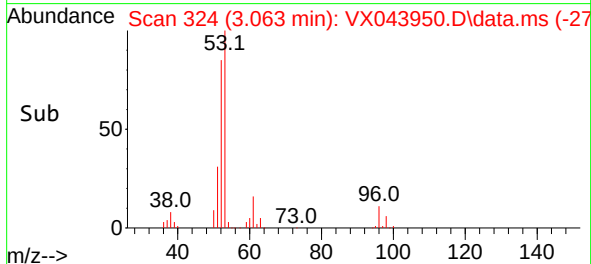
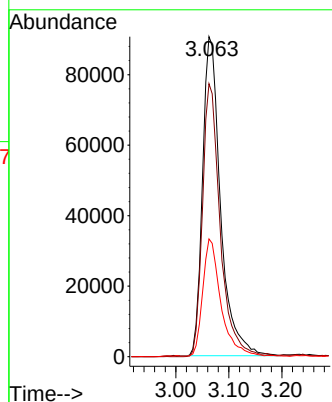
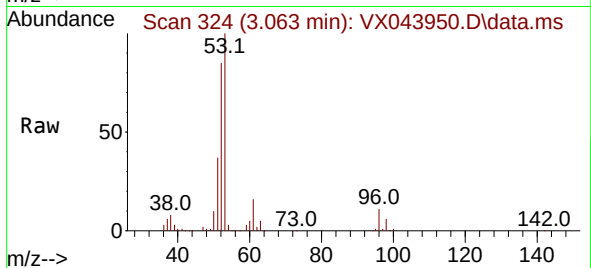




#15  
Acrylonitrile  
Concen: 265.550 ug/l  
RT: 3.063 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

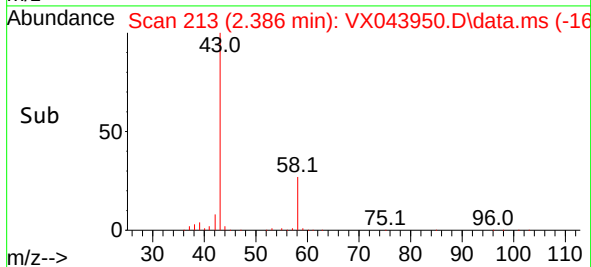
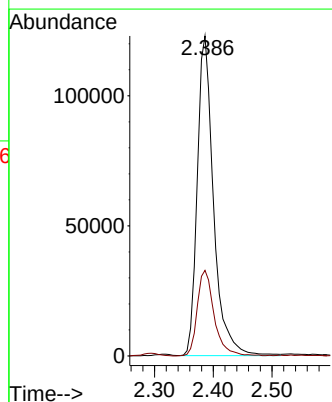
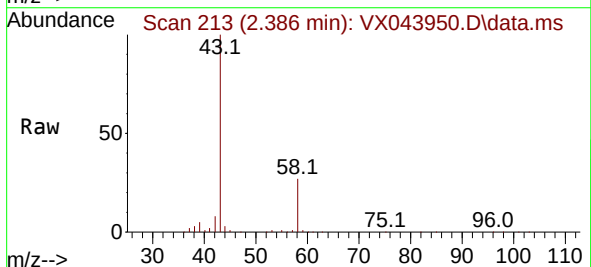
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

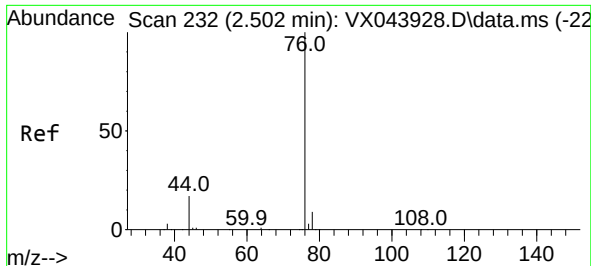
Tgt Ion: 53 Resp: 213507  
Ion Ratio Lower Upper  
53 100  
52 84.3 66.5 99.7  
51 37.3 30.2 45.4



#16  
Acetone  
Concen: 250.770 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 236749  
Ion Ratio Lower Upper  
43 100  
58 26.7 22.7 34.1

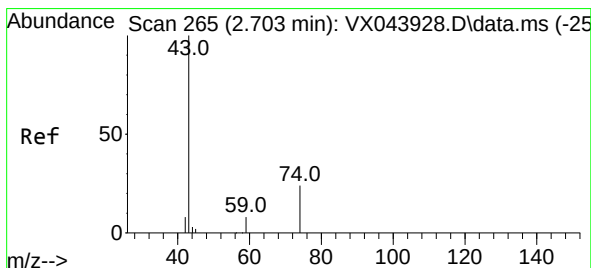
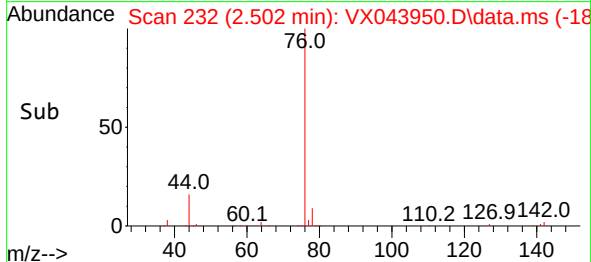
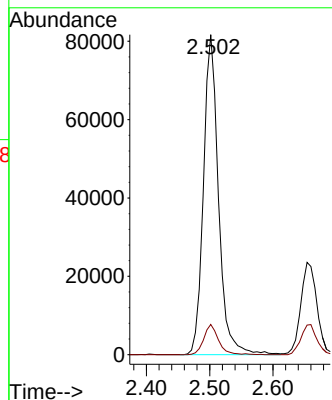
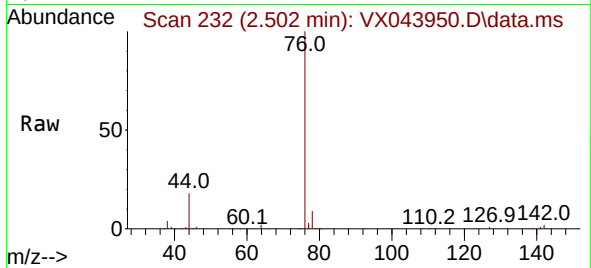




#17  
Carbon Disulfide  
Concen: 47.616 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

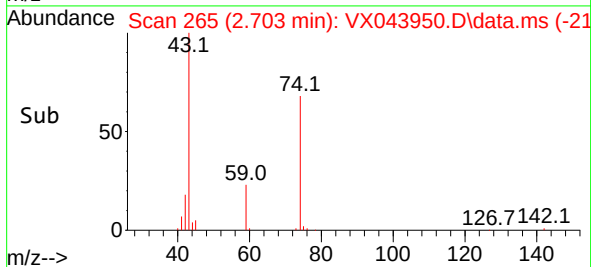
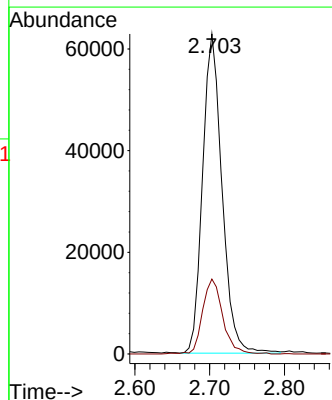
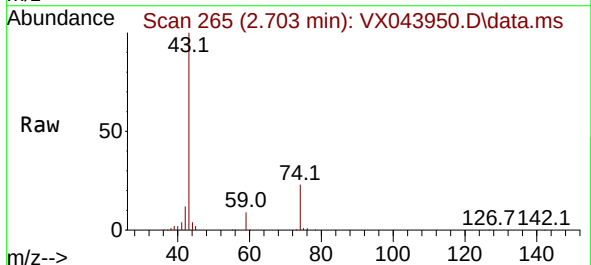
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

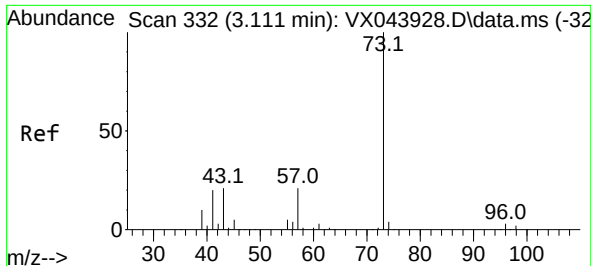
Tgt Ion: 76 Resp: 135635  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.6



#18  
Methyl Acetate  
Concen: 51.629 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 113509  
Ion Ratio Lower Upper  
43 100  
74 24.4 18.9 28.3

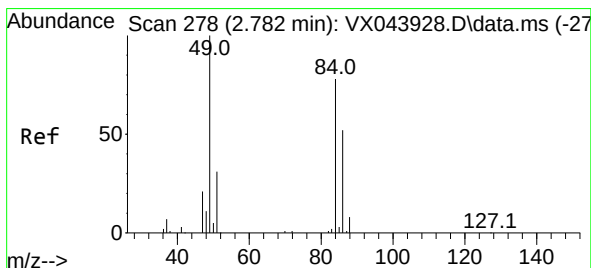
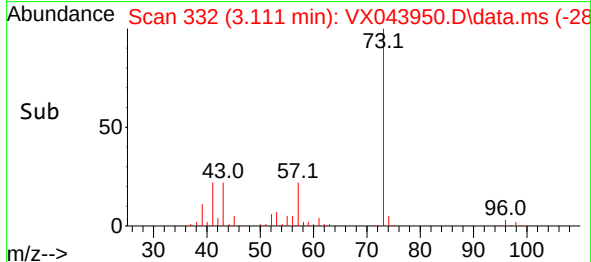
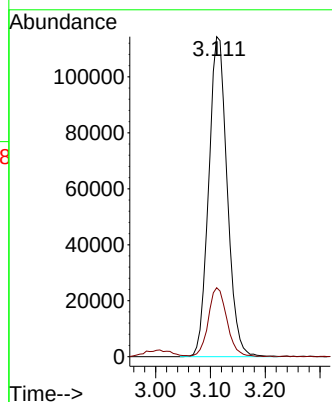
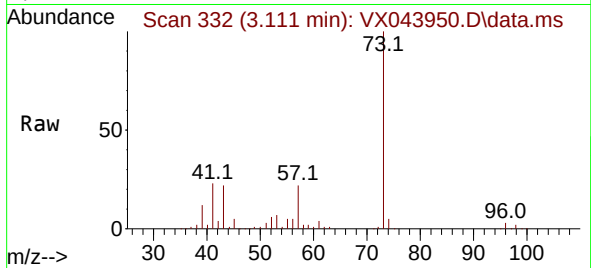




#19  
Methyl tert-butyl Ether  
Concen: 53.261 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

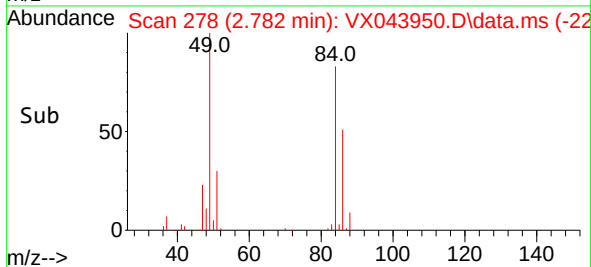
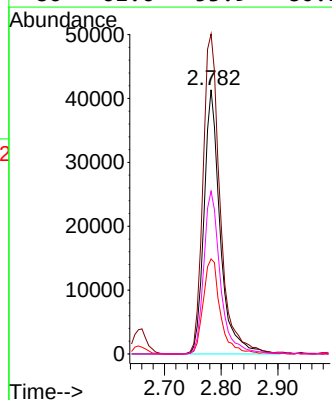
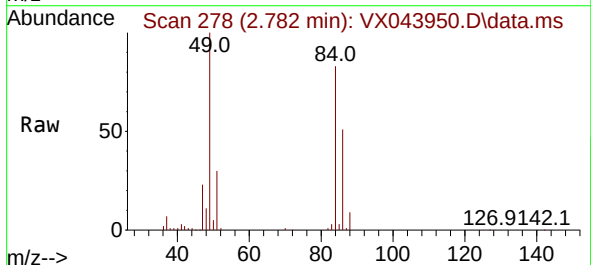
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

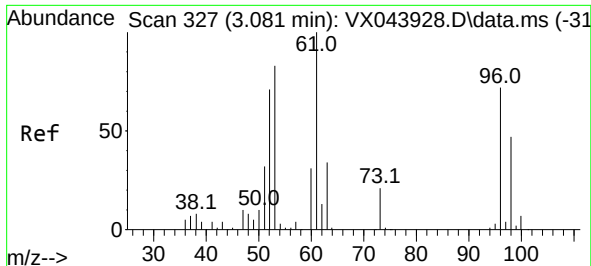
Tgt Ion: 73 Resp: 267063  
Ion Ratio Lower Upper  
73 100  
57 21.5 17.0 25.6



#20  
Methylene Chloride  
Concen: 51.146 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 84 Resp: 81941  
Ion Ratio Lower Upper  
84 100  
49 121.1 102.7 154.1  
51 36.0 31.7 47.5  
86 61.6 53.9 80.9

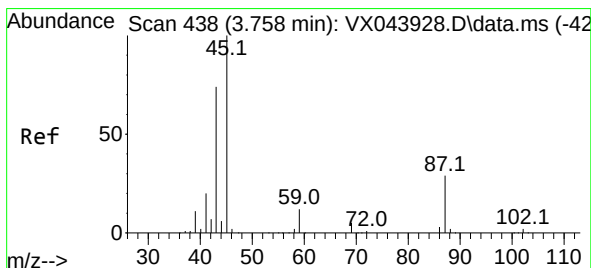
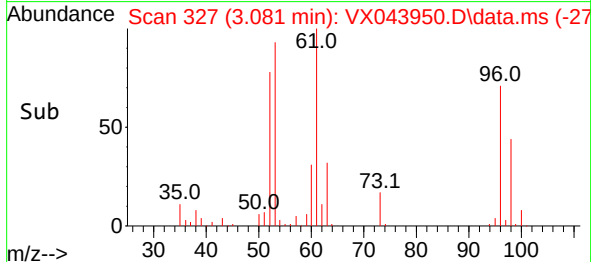
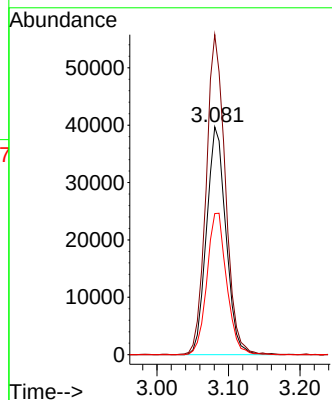
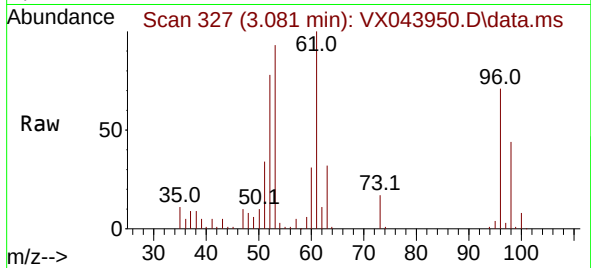




#21  
trans-1,2-Dichloroethene  
Concen: 52.461 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

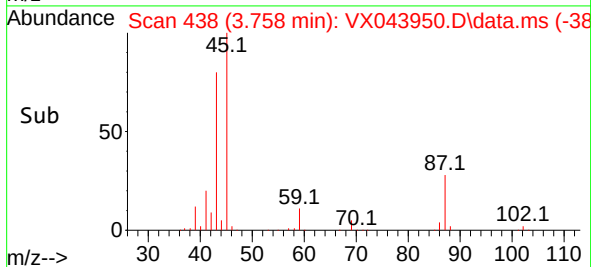
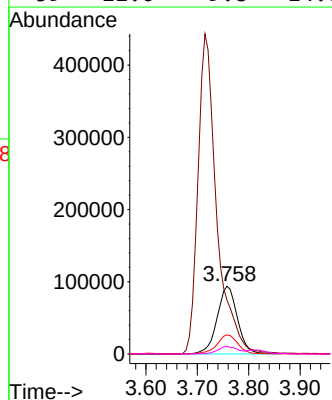
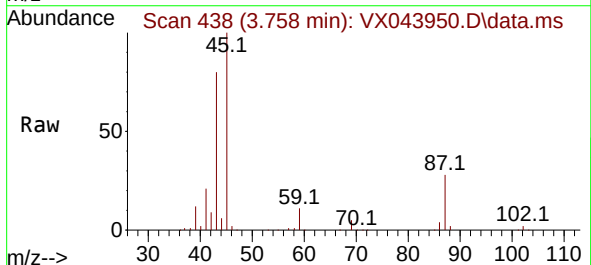
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

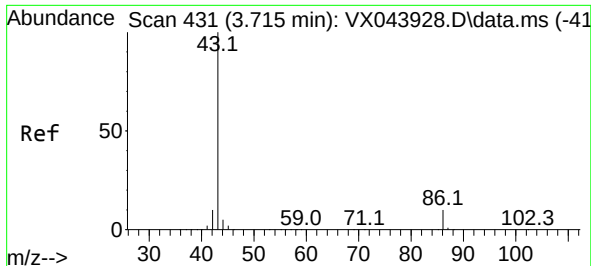
Tgt Ion: 96 Resp: 74796  
Ion Ratio Lower Upper  
96 100  
61 140.3 111.8 167.6  
98 61.9 52.7 79.1



#22  
Diisopropyl ether  
Concen: 53.416 ug/l  
RT: 3.758 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 45 Resp: 257734  
Ion Ratio Lower Upper  
45 100  
43 79.7 59.6 89.4  
87 28.1 22.9 34.3  
59 11.0 9.8 14.6

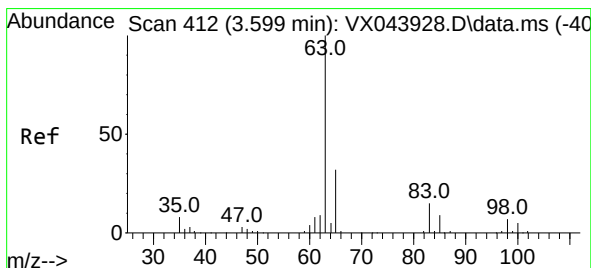
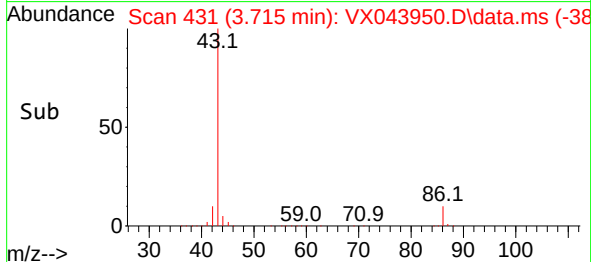
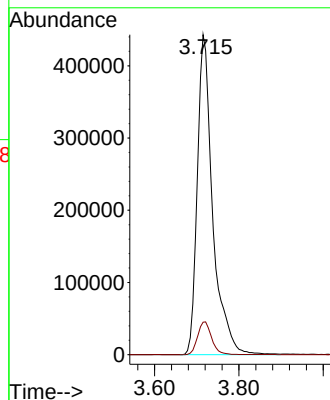
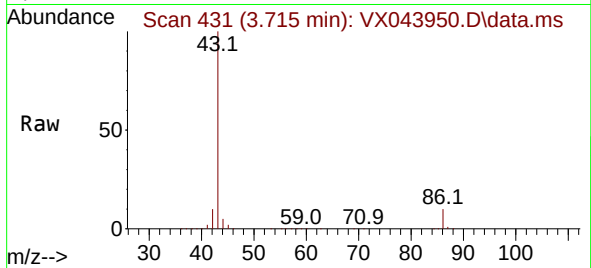




#23  
 Vinyl Acetate  
 Concen: 272.921 ug/l  
 RT: 3.715 min Scan# 41  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

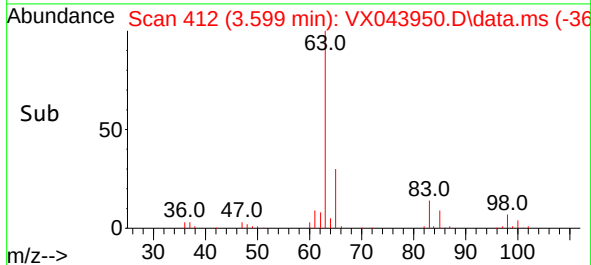
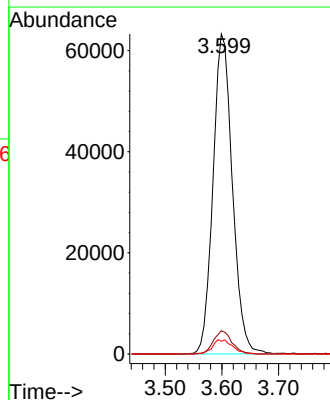
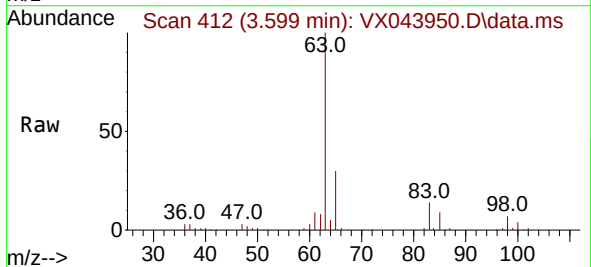
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

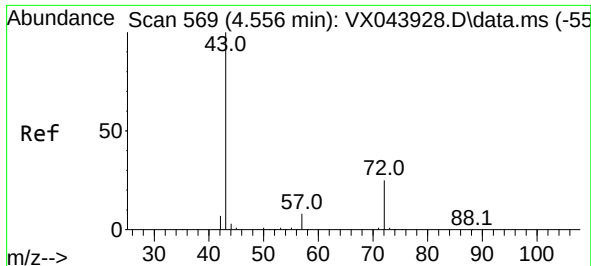
Tgt Ion: 43 Resp: 1126489  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 53.913 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 150069  
 Ion Ratio Lower Upper  
 63 100  
 98 7.3 3.5 10.6  
 100 3.9 2.4 7.1





#25

2-Butanone

Concen: 259.902 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

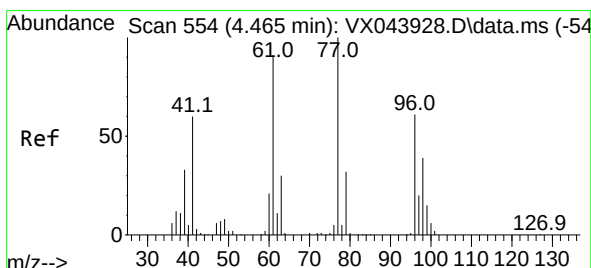
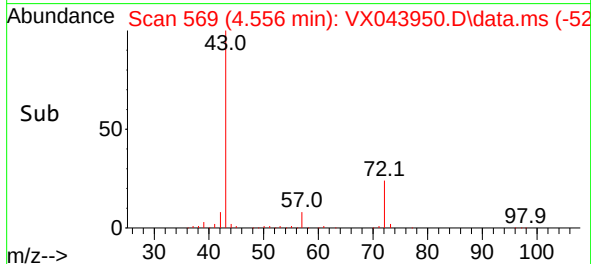
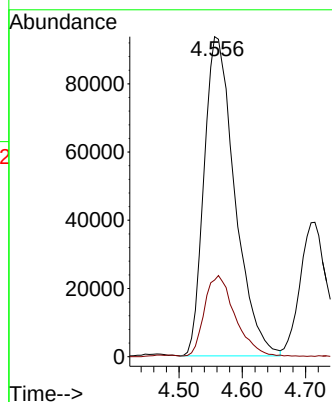
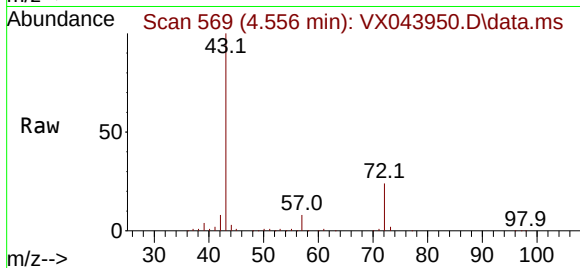
VSTDCCC050

Tgt Ion: 43 Resp: 316605

Ion Ratio Lower Upper

43 100

72 23.8 20.2 30.2



#26

2,2-Dichloropropane

Concen: 51.956 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043950.D

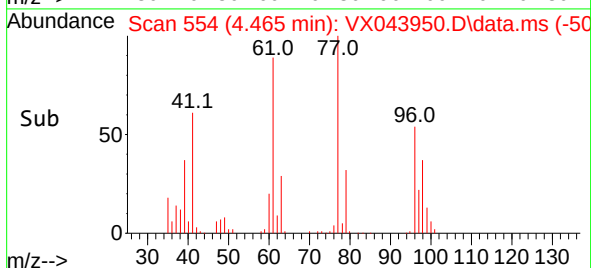
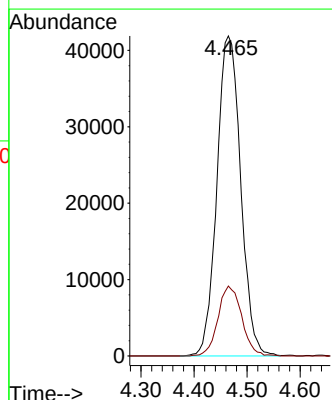
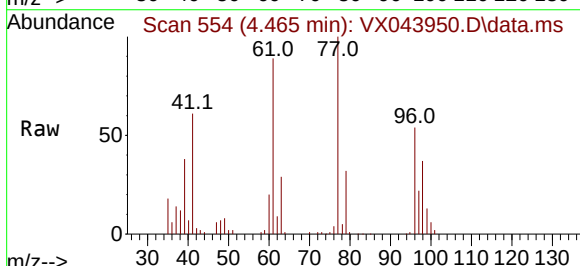
Acq: 22 Nov 2024 11:22

Tgt Ion: 77 Resp: 130610

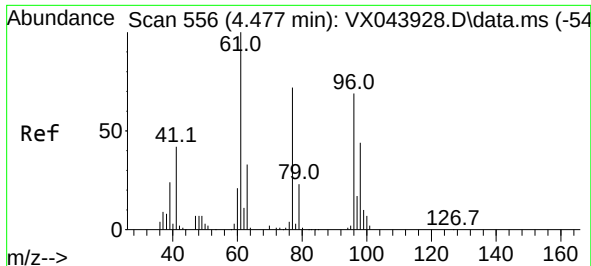
Ion Ratio Lower Upper

77 100

97 21.8 10.8 32.3





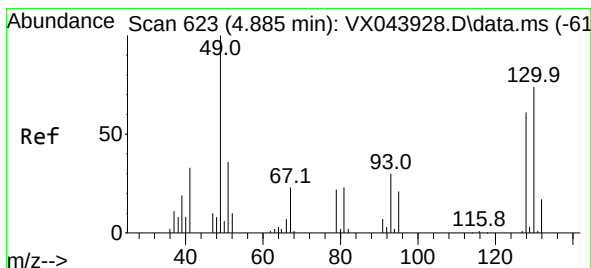
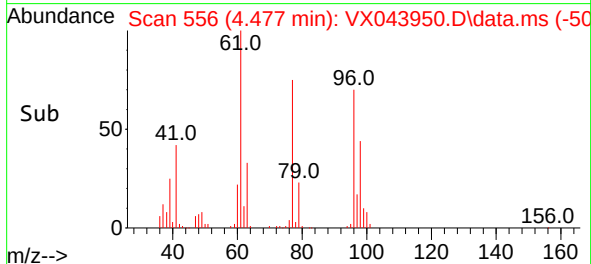
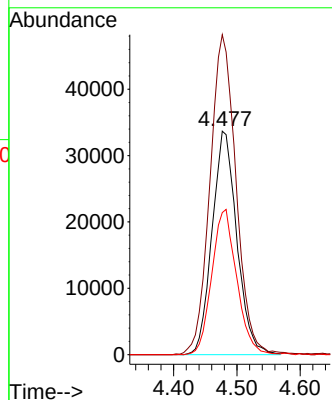
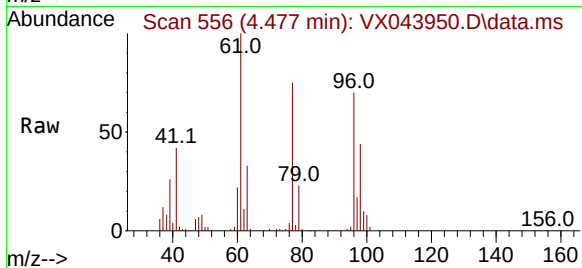


#27  
 cis-1,2-Dichloroethene  
 Concen: 52.023 ug/l  
 RT: 4.477 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 96 Resp: 91683  

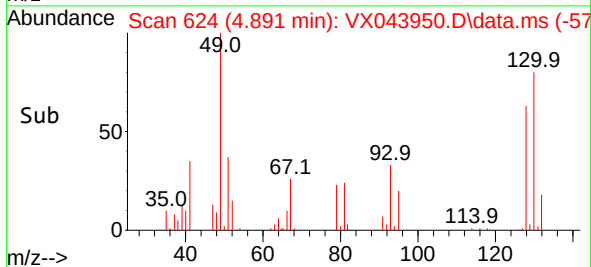
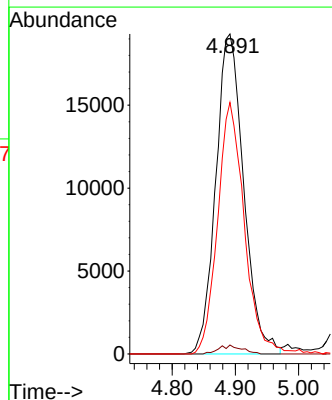
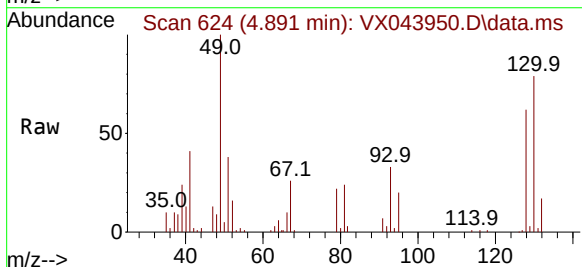
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 96  | 100   |       |       |
| 61  | 151.0 | 0.0   | 297.4 |
| 98  | 65.3  | 0.0   | 127.8 |

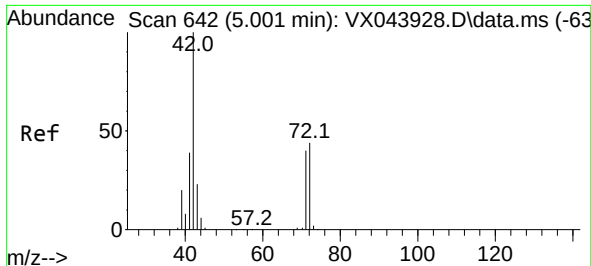


#28  
 Bromochloromethane  
 Concen: 48.235 ug/l  
 RT: 4.891 min Scan# 624  
 Delta R.T. 0.006 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

Tgt Ion: 49 Resp: 59099  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 49  | 100   |       |       |
| 129 | 2.3   | 0.0   | 4.0   |
| 130 | 74.9  | 59.0  | 88.6  |





#29

Tetrahydrofuran

Concen: 257.216 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

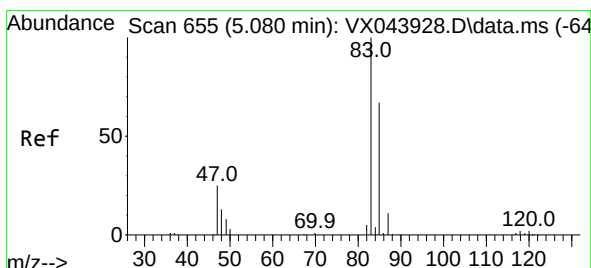
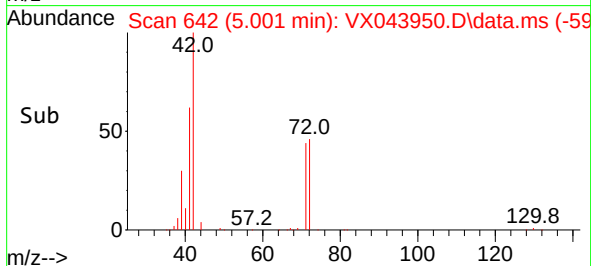
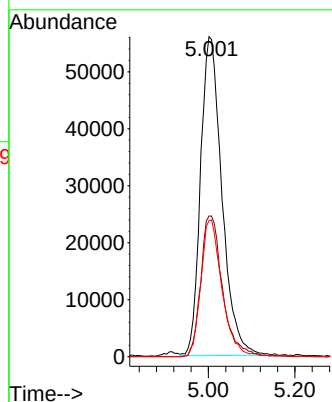
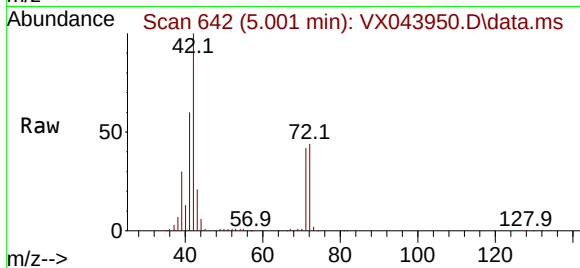
Tgt Ion: 42 Resp: 192093

Ion Ratio Lower Upper

42 100

72 44.9 36.4 54.6

71 42.2 33.4 50.0



#30

Chloroform

Concen: 53.043 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX043950.D

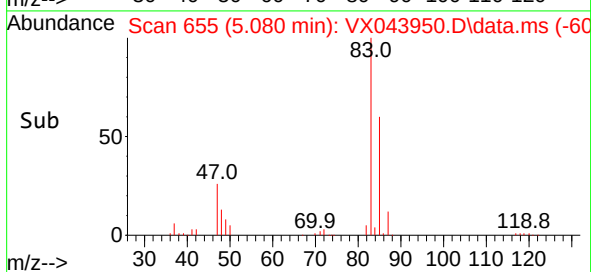
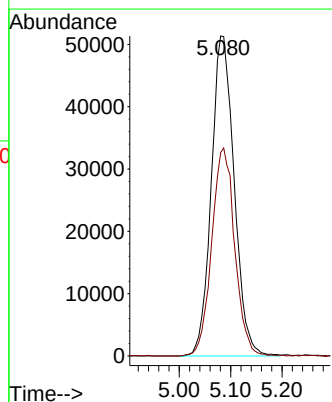
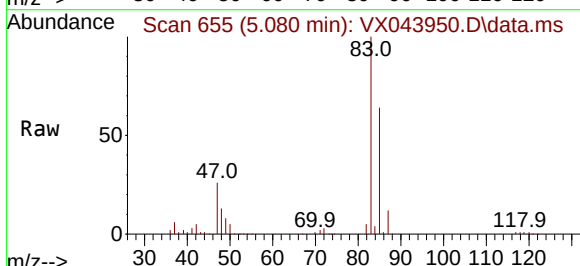
Acq: 22 Nov 2024 11:22

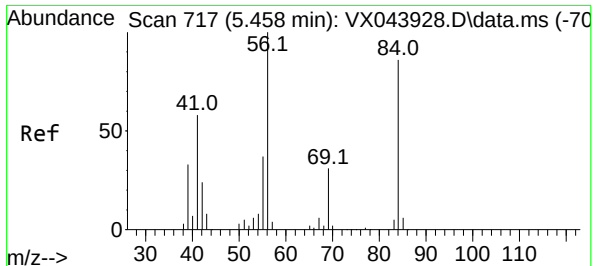
Tgt Ion: 83 Resp: 158800

Ion Ratio Lower Upper

83 100

85 63.5 53.5 80.3

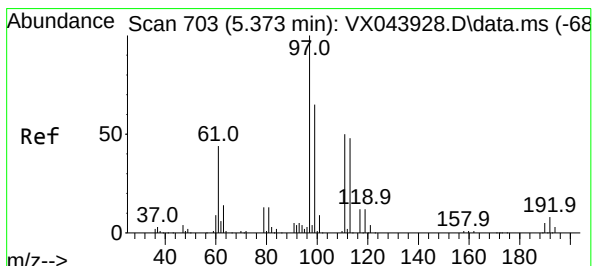
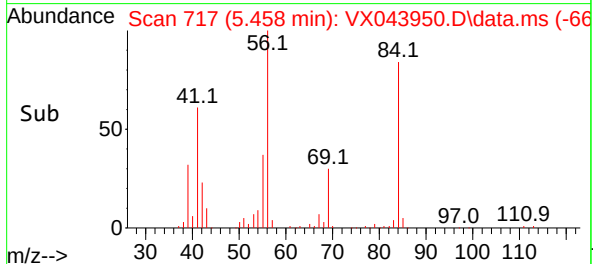
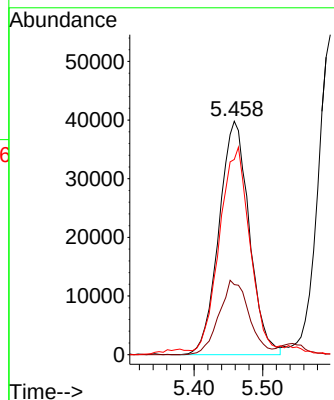
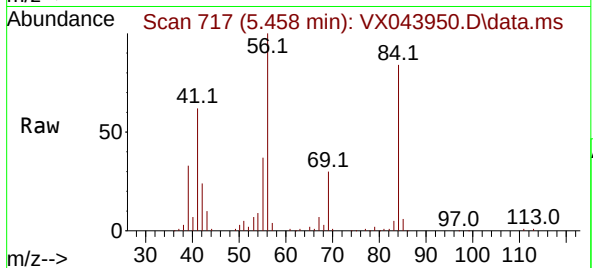




#31  
Cyclohexane  
Concen: 53.324 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

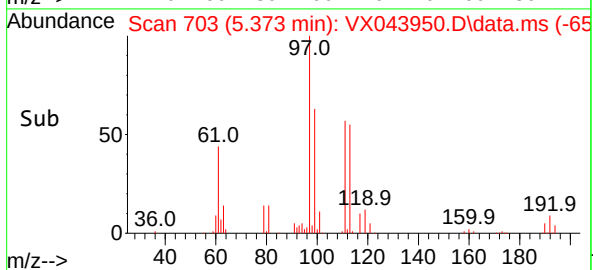
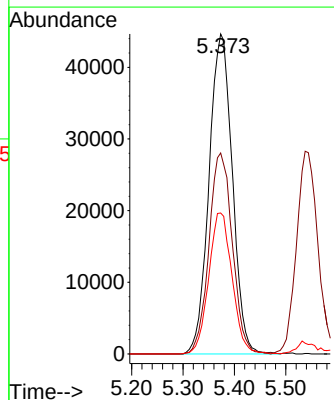
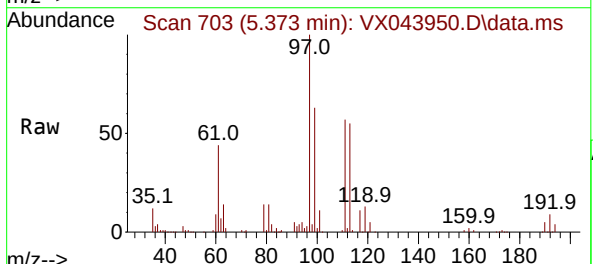
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

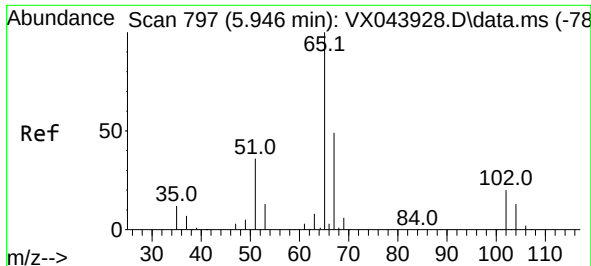
Tgt Ion: 56 Resp: 122162  
Ion Ratio Lower Upper  
56 100  
69 30.0 24.7 37.1  
84 81.2 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 54.526 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 97 Resp: 140772  
Ion Ratio Lower Upper  
97 100  
99 62.9 50.8 76.2  
61 44.3 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 49.135 ug/l

RT: 5.946 min Scan# 79

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

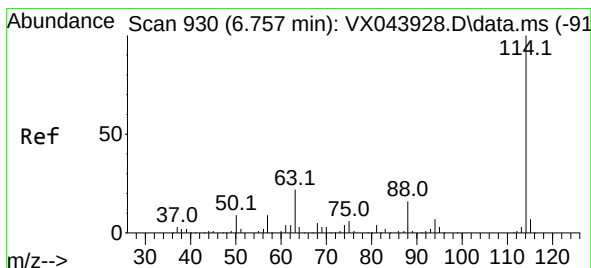
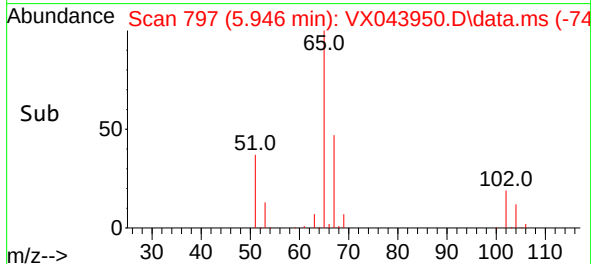
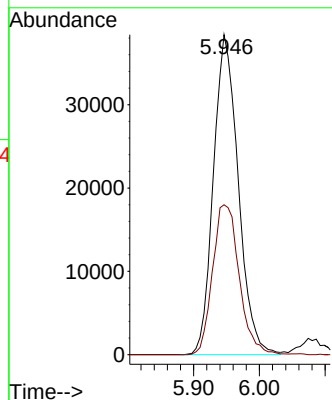
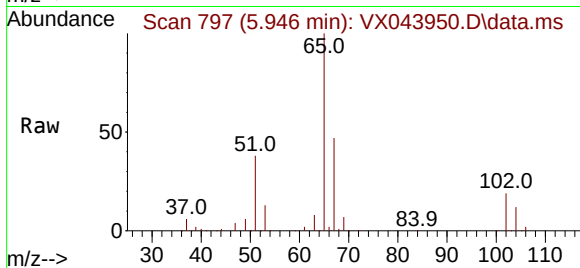
VSTDCCC050

Tgt Ion: 65 Resp: 100999

Ion Ratio Lower Upper

65 100

67 50.1 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

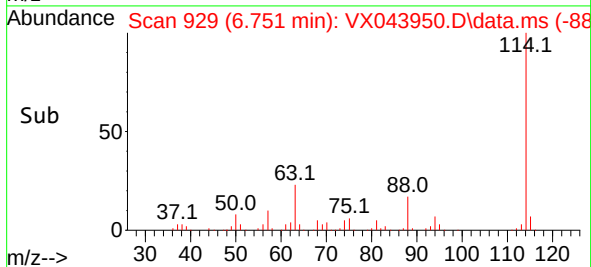
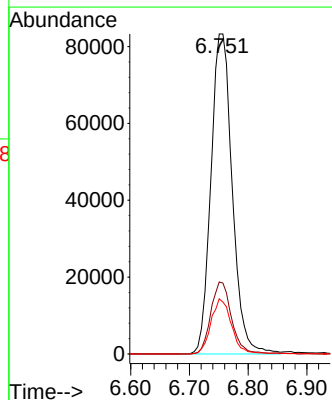
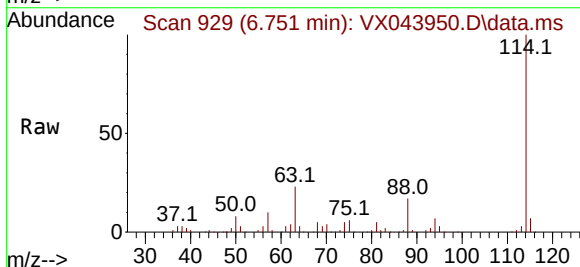
Tgt Ion: 114 Resp: 210147

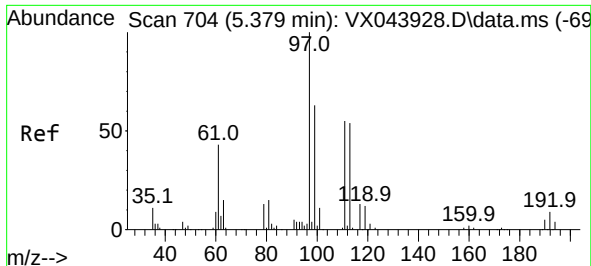
Ion Ratio Lower Upper

114 100

63 22.5 0.0 44.0

88 17.3 0.0 32.4

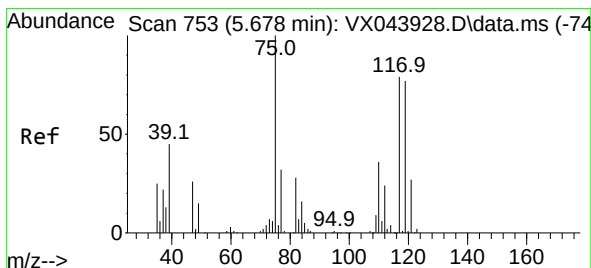
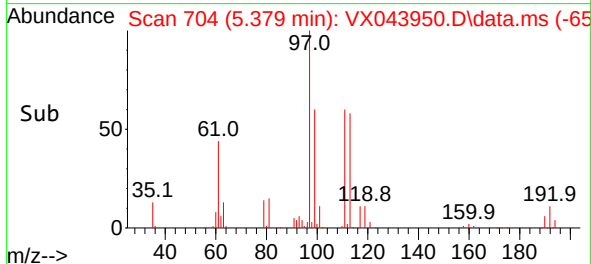
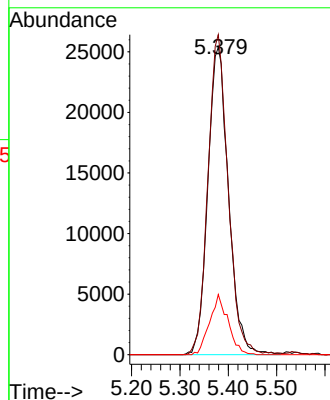
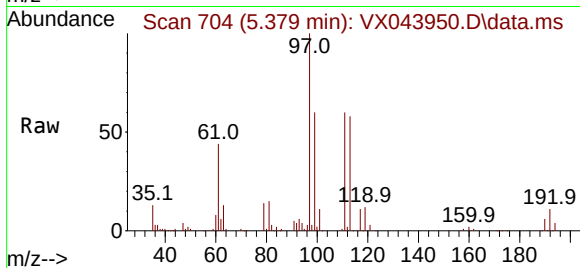




#35  
Dibromofluoromethane  
Concen: 50.272 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

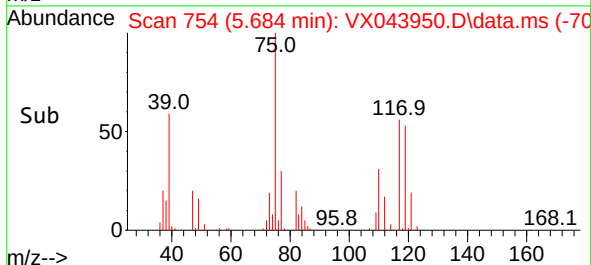
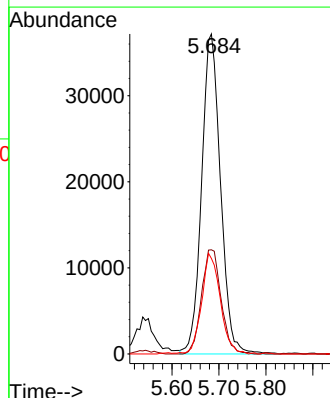
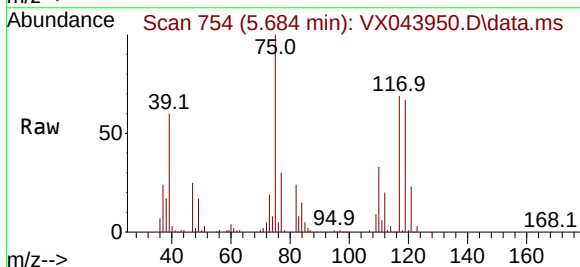
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

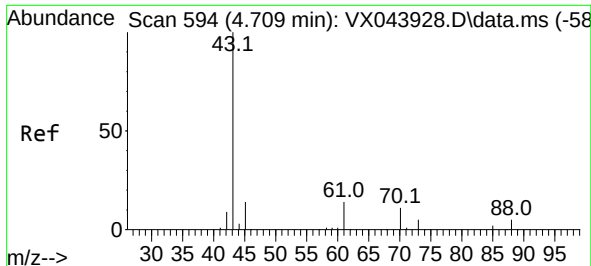
Tgt Ion:113 Resp: 75489  
Ion Ratio Lower Upper  
113 100  
111 101.0 81.0 121.4  
192 17.5 13.0 19.6



#36  
1,1-Dichloropropene  
Concen: 55.562 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 103967  
Ion Ratio Lower Upper  
75 100  
110 33.7 17.4 52.2  
77 30.9 25.8 38.8

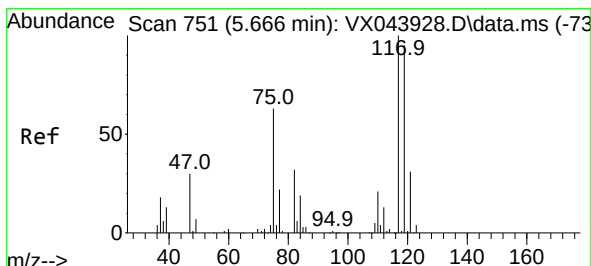
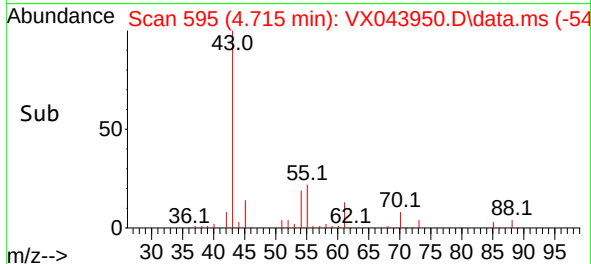
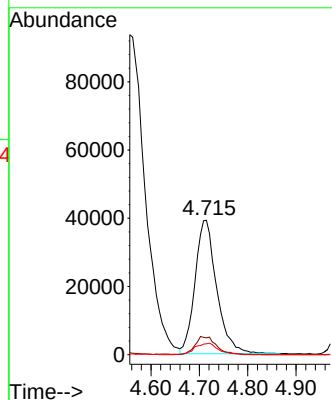
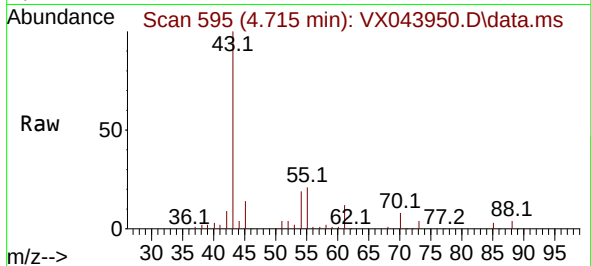




#37  
Ethyl Acetate  
Concen: 52.440 ug/l  
RT: 4.715 min Scan# 594  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

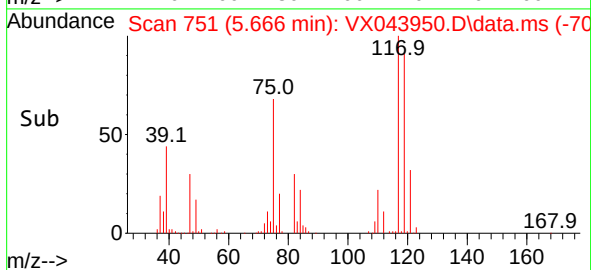
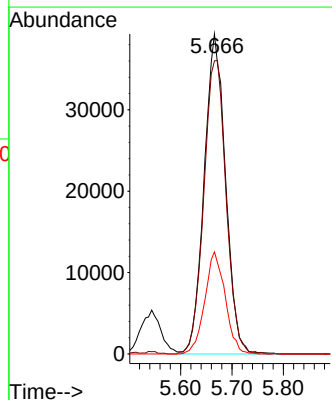
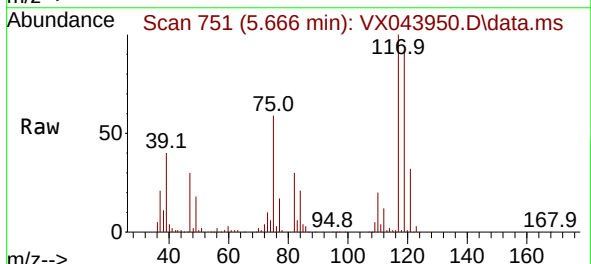
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

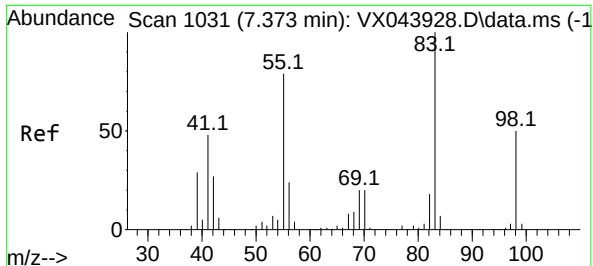
Tgt Ion: 43 Resp: 121804  
Ion Ratio Lower Upper  
43 100  
61 13.3 10.7 16.1  
70 9.2 8.0 12.0



#38  
Carbon Tetrachloride  
Concen: 53.945 ug/l  
RT: 5.666 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 117 Resp: 113421  
Ion Ratio Lower Upper  
117 100  
119 91.6 75.2 112.8  
121 31.9 24.5 36.7





#39

Methylcyclohexane

Concen: 54.849 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

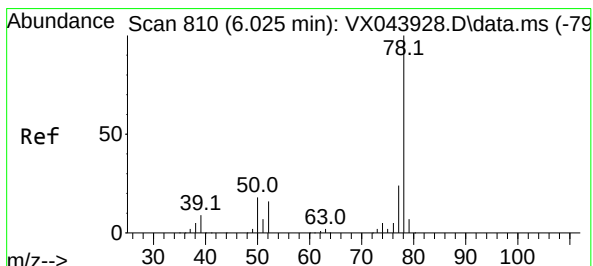
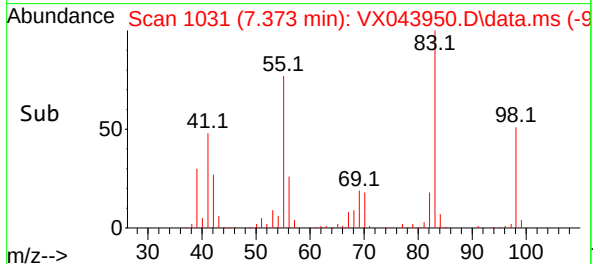
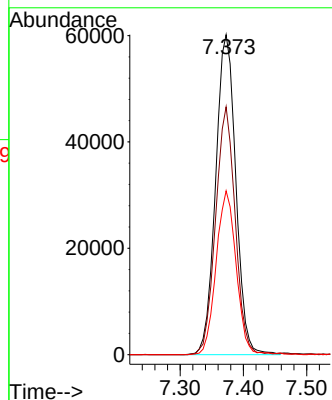
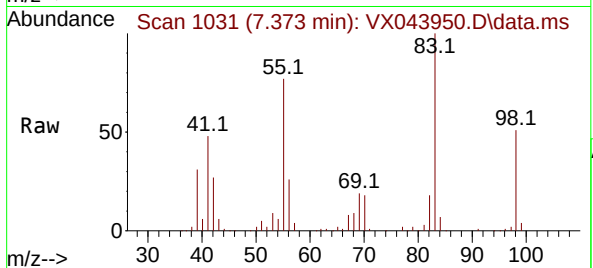
Tgt Ion: 83 Resp: 133332

Ion Ratio Lower Upper

83 100

55 77.4 63.1 94.7

98 51.2 40.0 60.0



#40

Benzene

Concen: 54.016 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043950.D

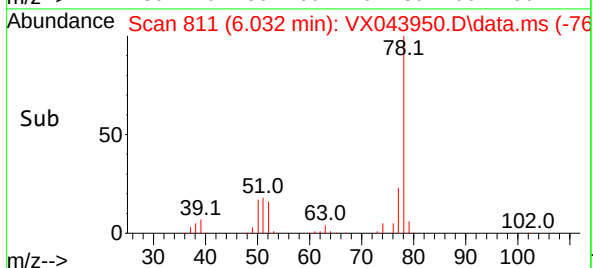
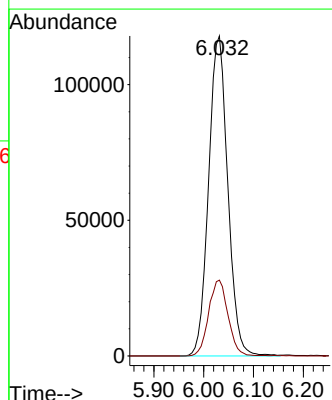
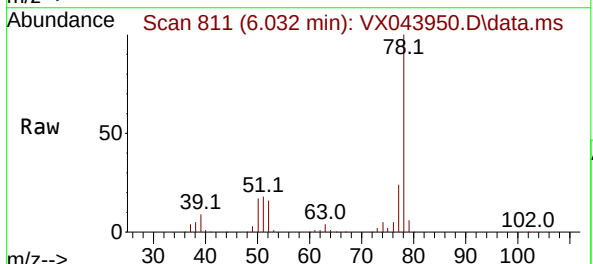
Acq: 22 Nov 2024 11:22

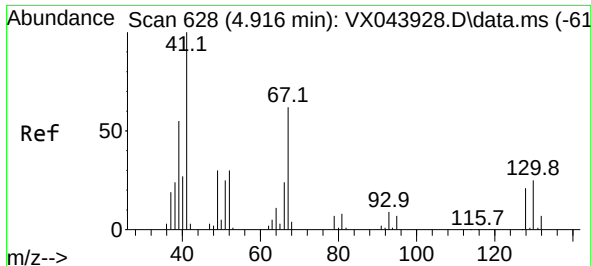
Tgt Ion: 78 Resp: 314837

Ion Ratio Lower Upper

78 100

77 23.7 19.2 28.8



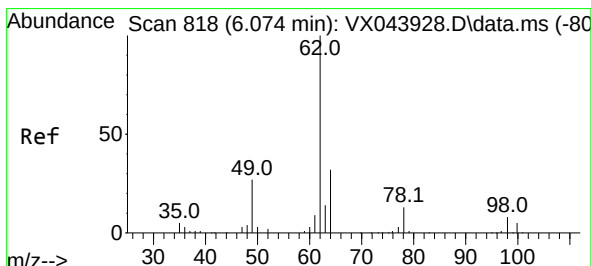
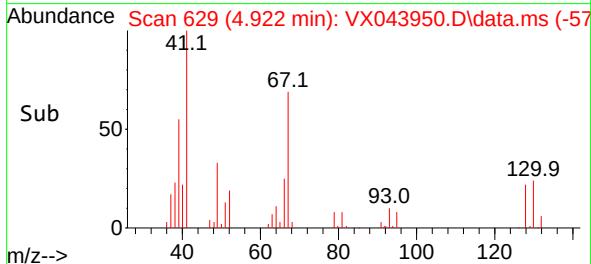
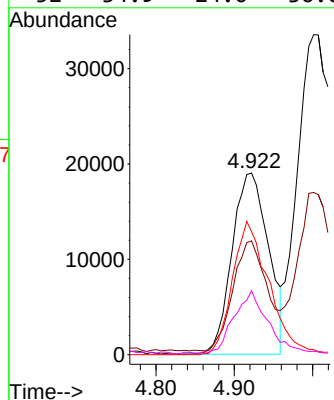
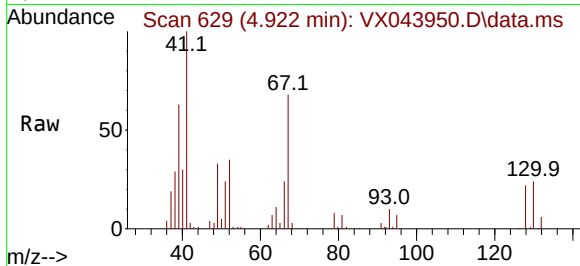


#41  
Methacrylonitrile  
Concen: 51.710 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 61474

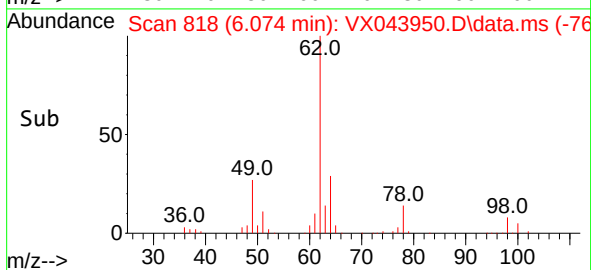
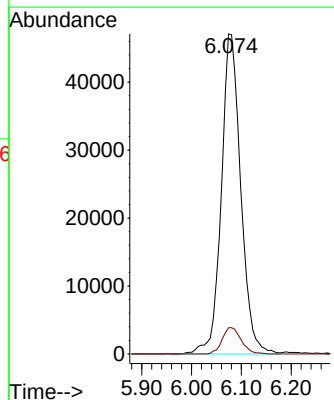
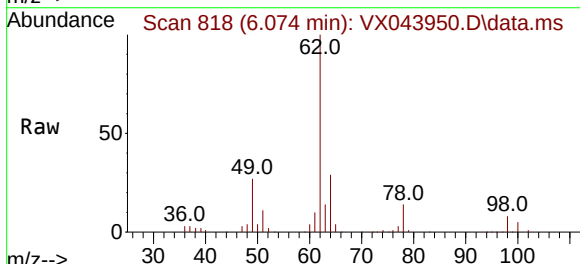
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 57.2  | 41.7  | 62.5  |
| 67  | 74.2  | 55.8  | 83.8  |
| 52  | 34.9  | 24.0  | 36.0  |



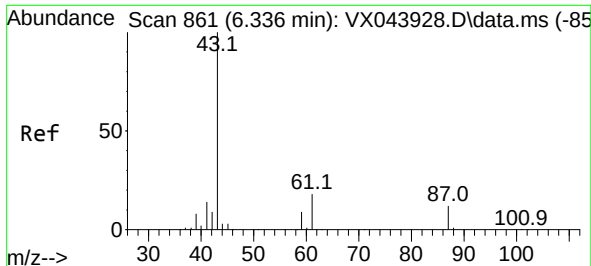
#42  
1,2-Dichloroethane  
Concen: 54.501 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 62 Resp: 127580

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.0   | 0.0   | 16.4  |



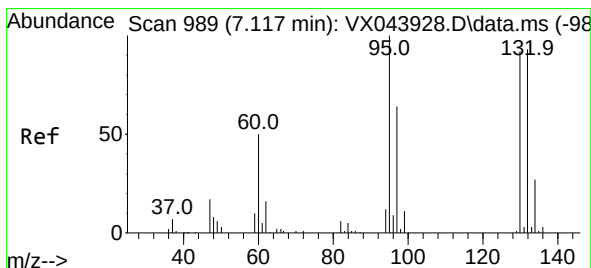
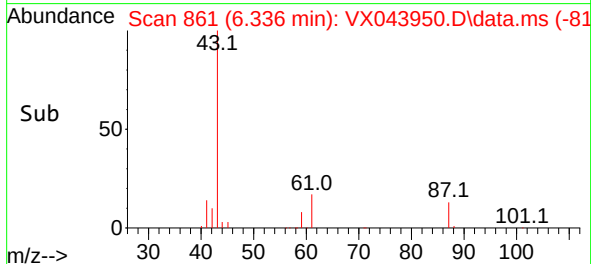
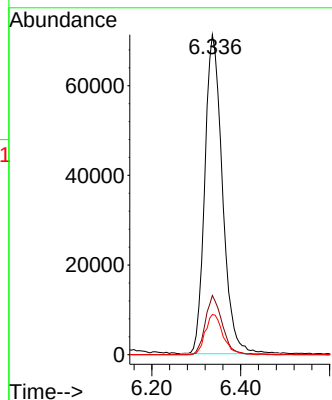
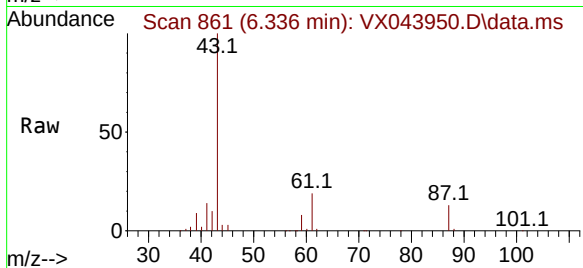




#43  
Isopropyl Acetate  
Concen: 53.153 ug/l  
RT: 6.336 min Scan# 861  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

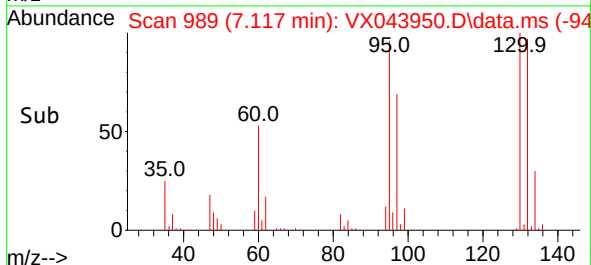
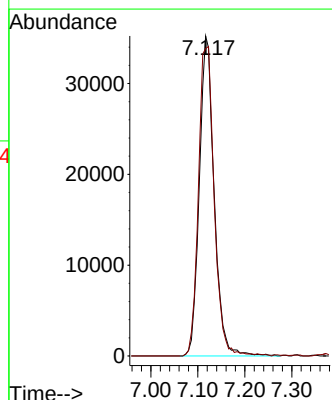
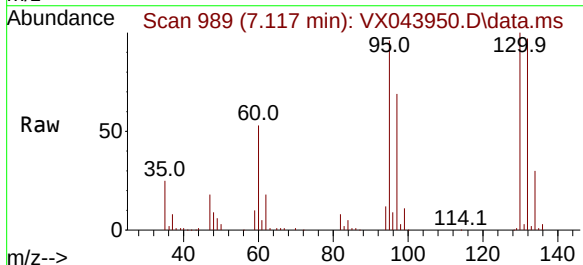
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

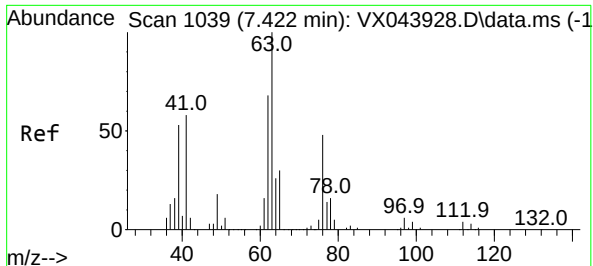
Tgt Ion: 43 Resp: 196481  
Ion Ratio Lower Upper  
43 100  
61 17.6 14.5 21.7  
87 12.6 10.2 15.2



#44  
Trichloroethene  
Concen: 46.882 ug/l  
RT: 7.117 min Scan# 989  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion:130 Resp: 77355  
Ion Ratio Lower Upper  
130 100  
95 96.1 0.0 217.8





#45

1,2-Dichloropropane

Concen: 55.044 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

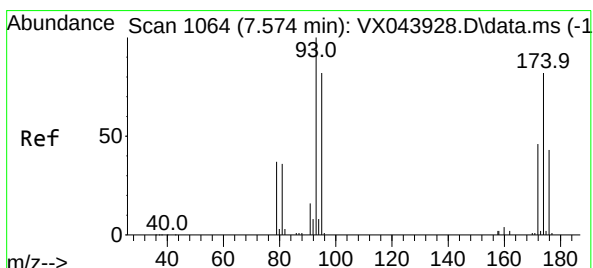
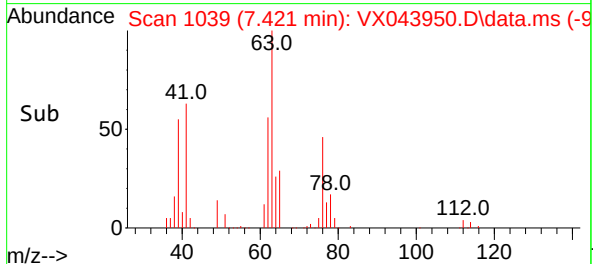
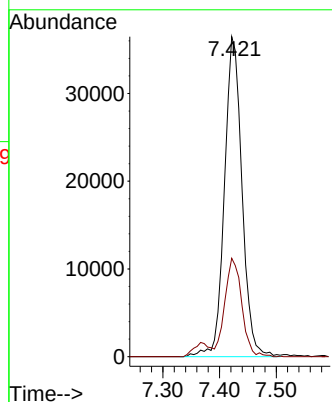
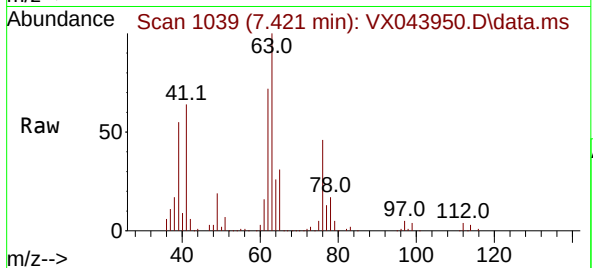
VSTDCCC050

Tgt Ion: 63 Resp: 78579

Ion Ratio Lower Upper

63 100

65 30.8 23.8 35.6



#46

Dibromomethane

Concen: 53.916 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

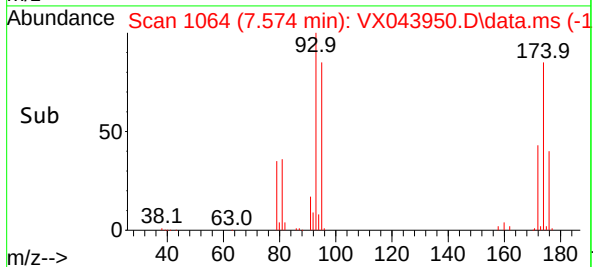
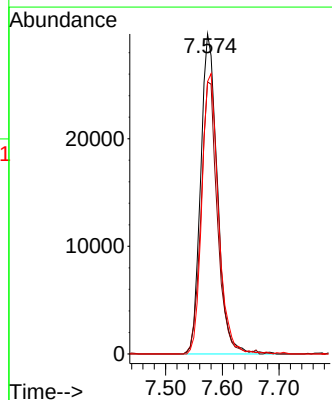
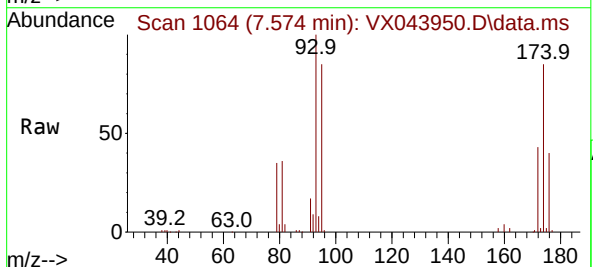
Tgt Ion: 93 Resp: 60885

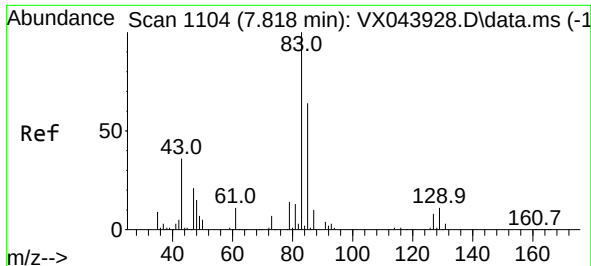
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 87.1 69.6 104.4

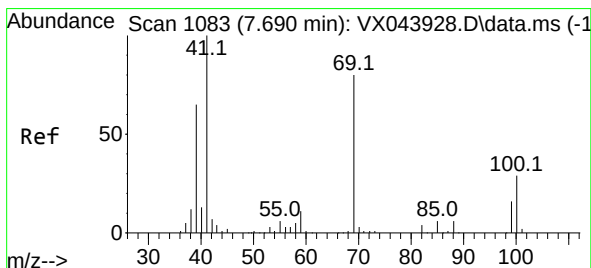
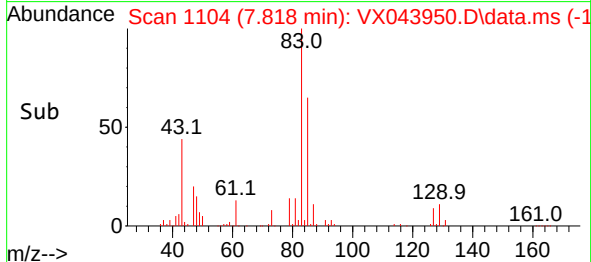
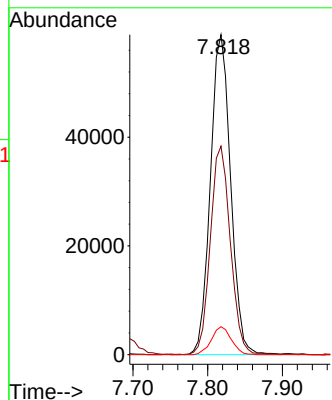
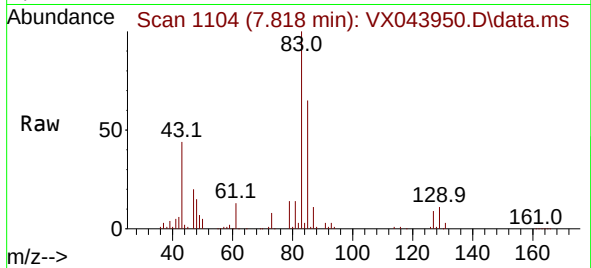




#47  
Bromodichloromethane  
Concen: 54.645 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

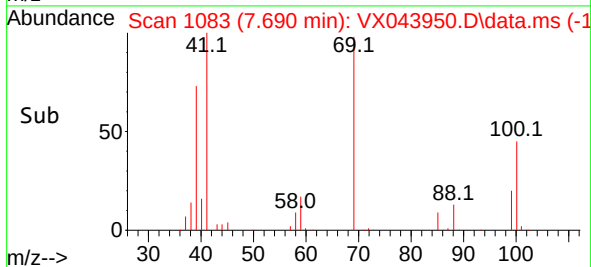
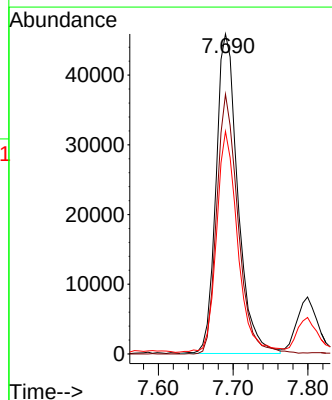
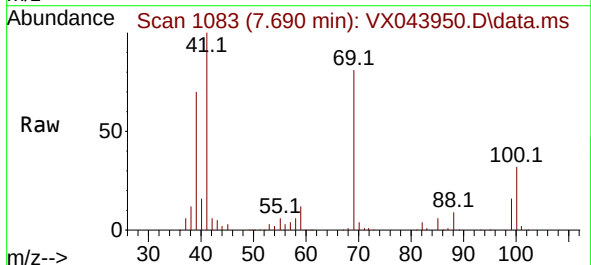
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

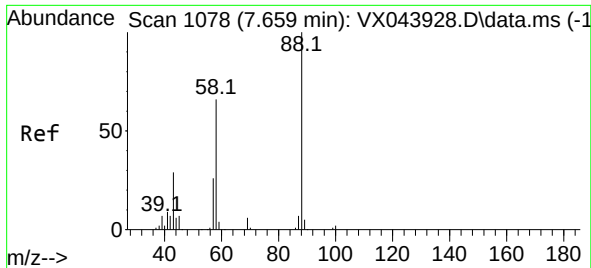
Tgt Ion: 83 Resp: 110672  
Ion Ratio Lower Upper  
83 100  
85 65.1 51.4 77.0  
127 8.8 6.6 10.0



#48  
Methyl methacrylate  
Concen: 52.453 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 41 Resp: 93037  
Ion Ratio Lower Upper  
41 100  
69 79.9 64.6 97.0  
39 66.9 53.3 79.9

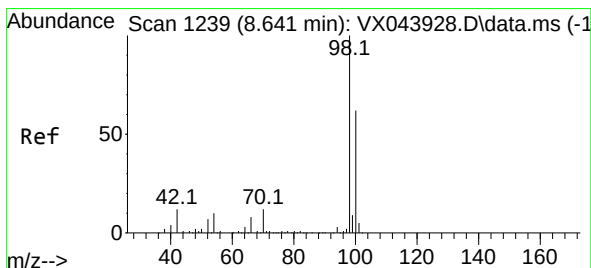
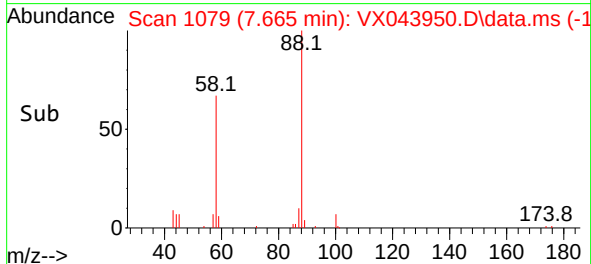
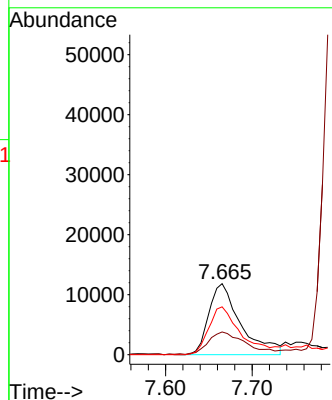
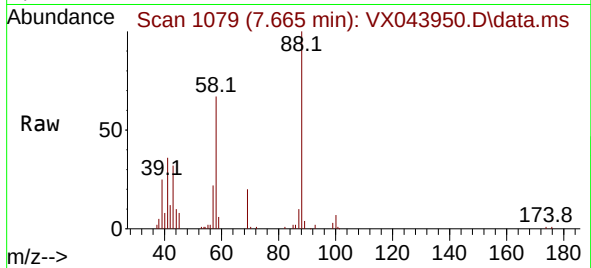




#49  
1,4-Dioxane  
Concen: 956.809 ug/l  
RT: 7.665 min Scan# 1078  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

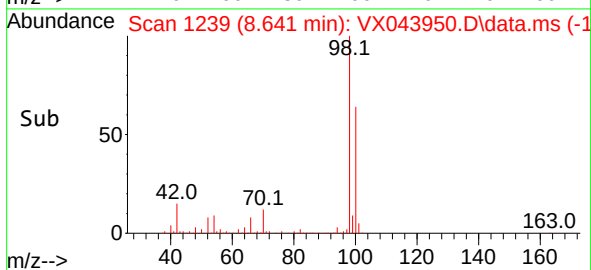
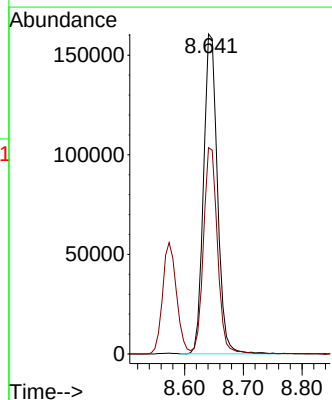
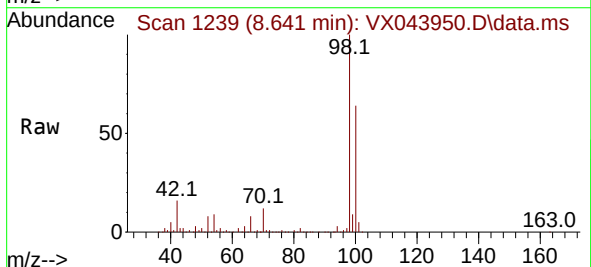
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

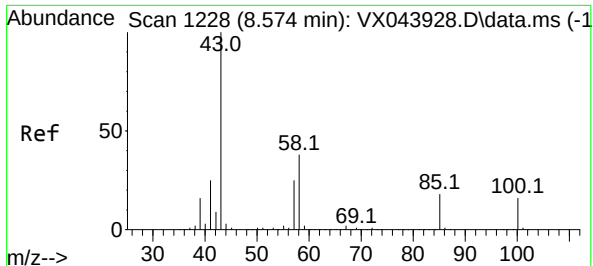
Tgt Ion: 88 Resp: 30231  
Ion Ratio Lower Upper  
88 100  
43 37.9 26.8 40.2  
58 66.2 45.4 68.2



#50  
Toluene-d8  
Concen: 50.769 ug/l  
RT: 8.641 min Scan# 1239  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 98 Resp: 262790  
Ion Ratio Lower Upper  
98 100  
100 65.0 52.6 79.0

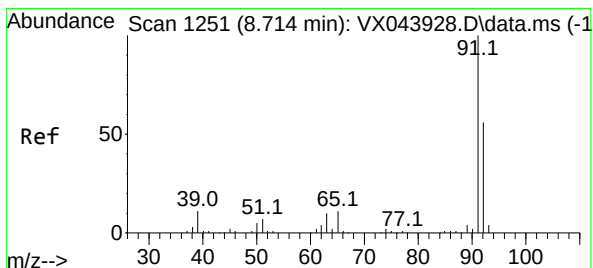
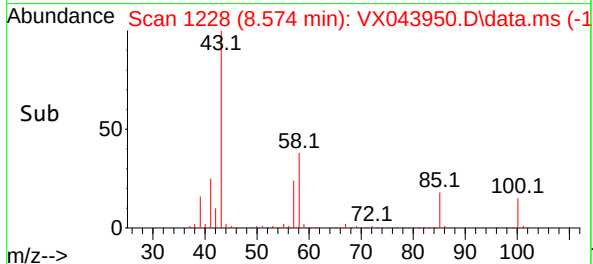
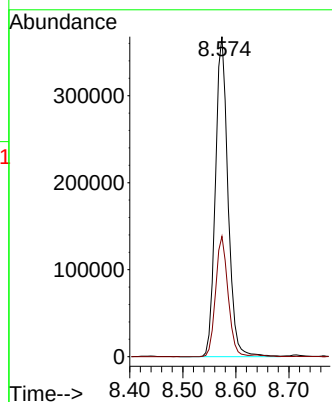
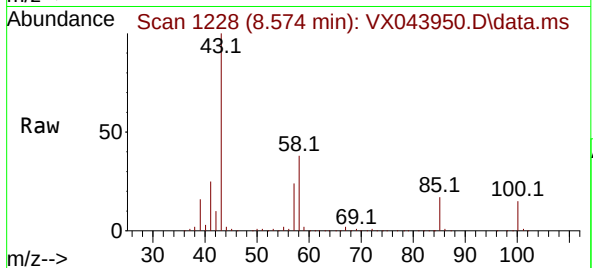




#51  
4-Methyl-2-Pentanone  
Concen: 269.433 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

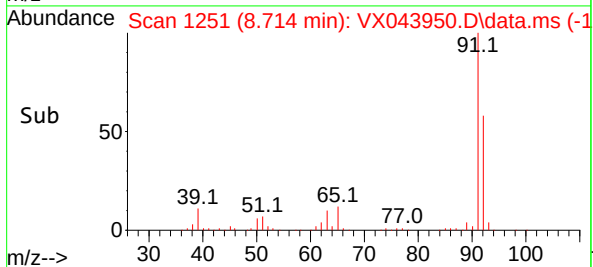
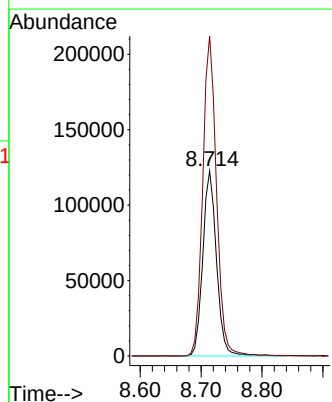
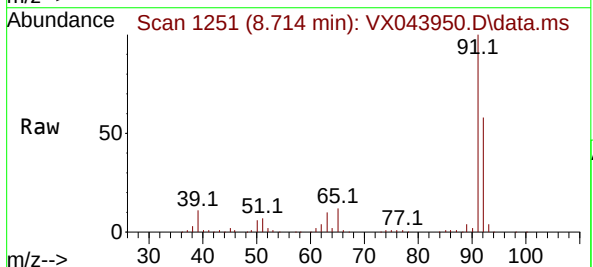
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

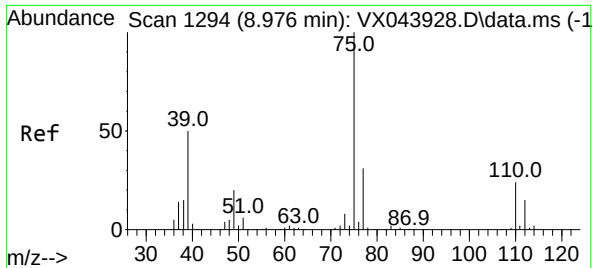
Tgt Ion: 43 Resp: 607788  
Ion Ratio Lower Upper  
43 100  
58 37.0 30.0 45.0



#52  
Toluene  
Concen: 54.965 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 92 Resp: 191750  
Ion Ratio Lower Upper  
92 100  
91 174.2 139.7 209.5

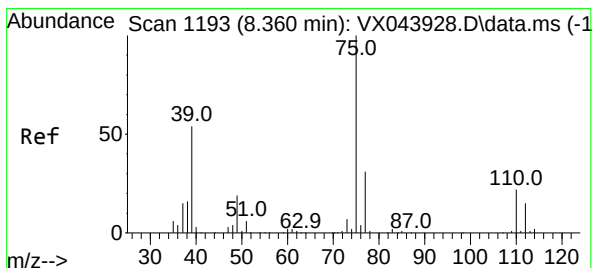
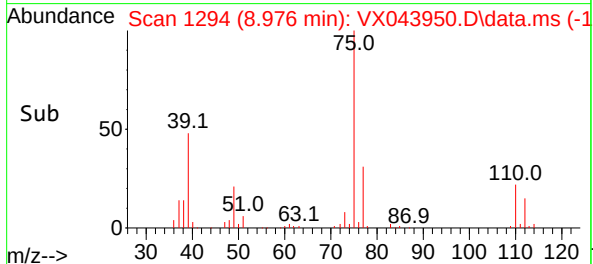
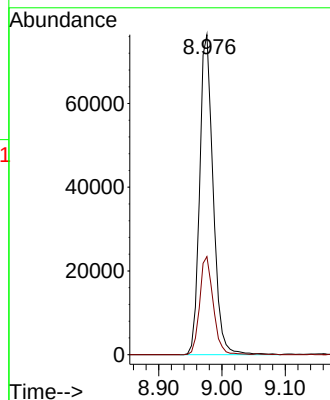
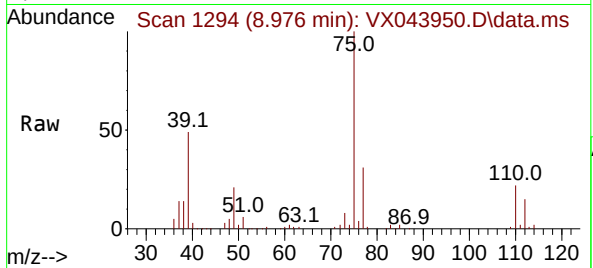




#53  
 t-1,3-Dichloropropene  
 Concen: 54.971 ug/l  
 RT: 8.976 min Scan# 1193  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

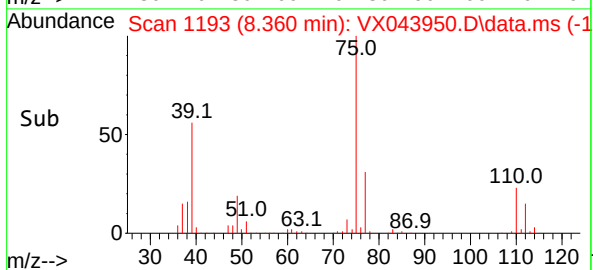
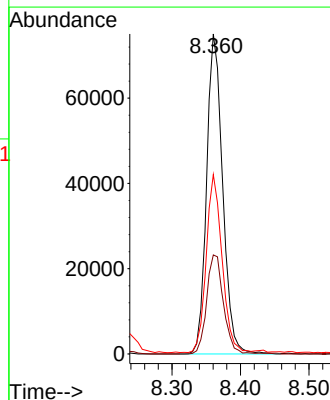
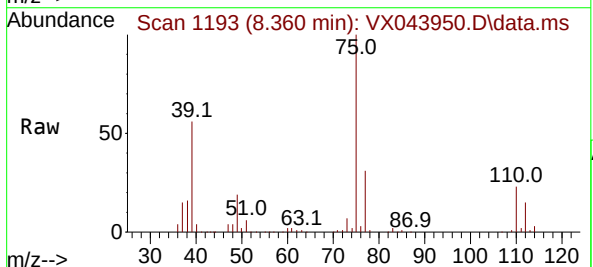
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

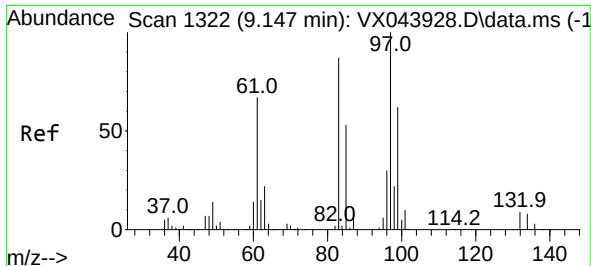
Tgt Ion: 75 Resp: 113533  
 Ion Ratio Lower Upper  
 75 100  
 77 30.7 25.1 37.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 54.052 ug/l  
 RT: 8.360 min Scan# 1193  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 122380  
 Ion Ratio Lower Upper  
 75 100  
 77 30.9 25.2 37.8  
 39 55.6 43.1 64.7

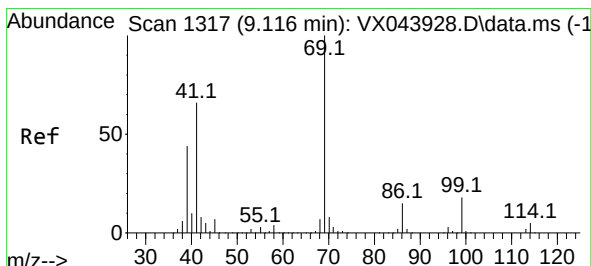
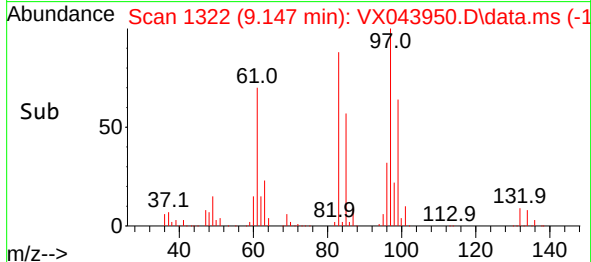
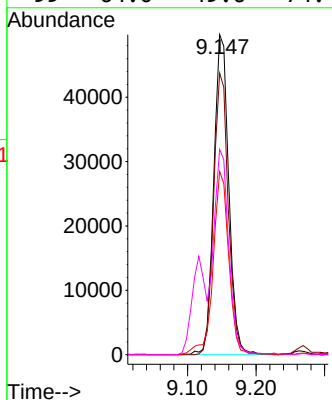
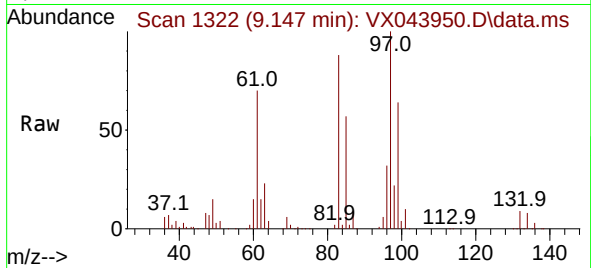




#55  
 1,1,2-Trichloroethane  
 Concen: 52.387 ug/l  
 RT: 9.147 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

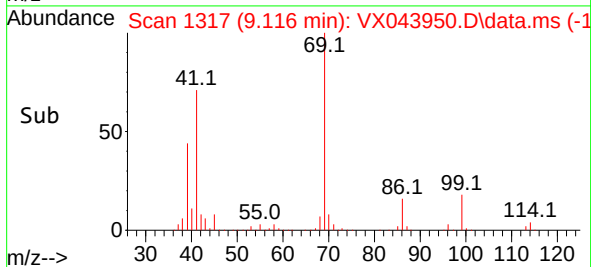
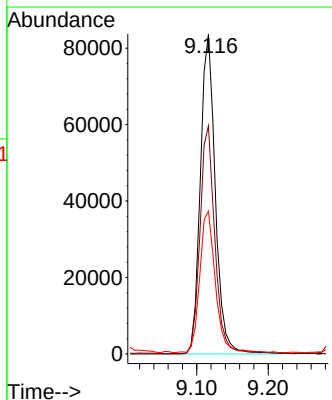
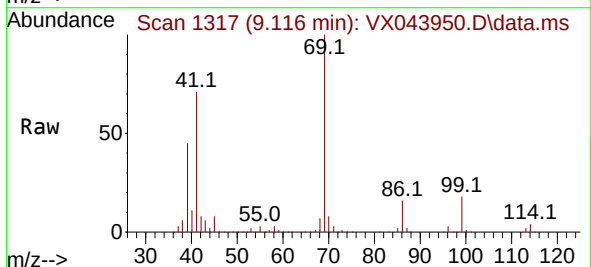
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

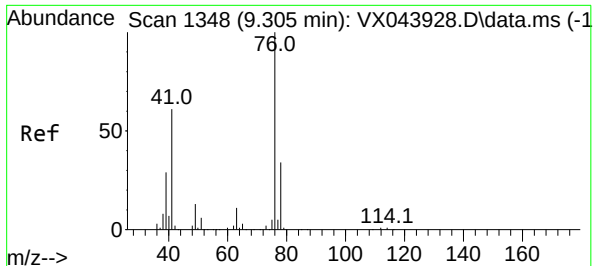
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 75441 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.0  | 69.4  | 104.0 |
| 85       | 57.2  | 42.3  | 63.5  |
| 99       | 64.0  | 49.6  | 74.4  |



#56  
 Ethyl methacrylate  
 Concen: 54.352 ug/l  
 RT: 9.116 min Scan# 1317  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 121914 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 70.7  | 55.8  | 83.8   |
| 39       | 46.2  | 36.7  | 55.1   |

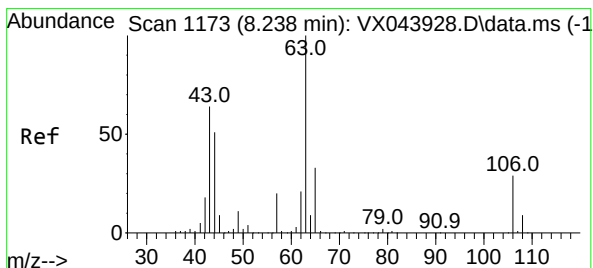
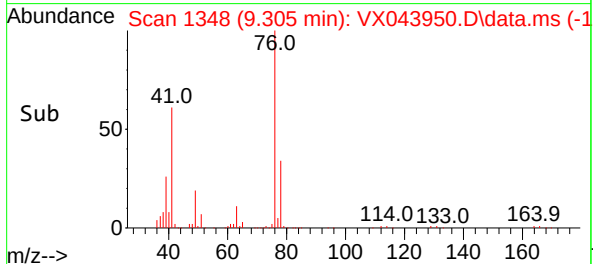
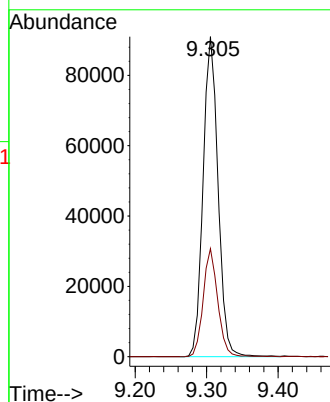
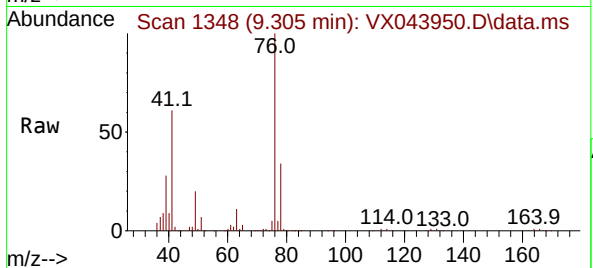




#57  
1,3-Dichloropropane  
Concen: 54.563 ug/l  
RT: 9.305 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

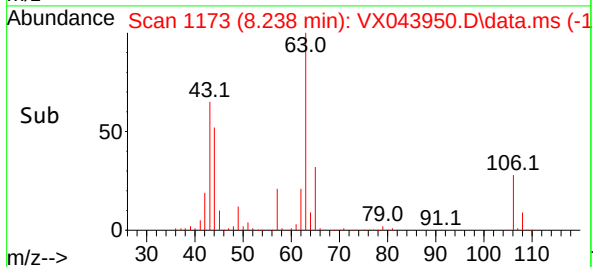
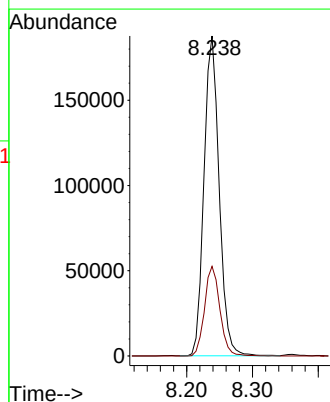
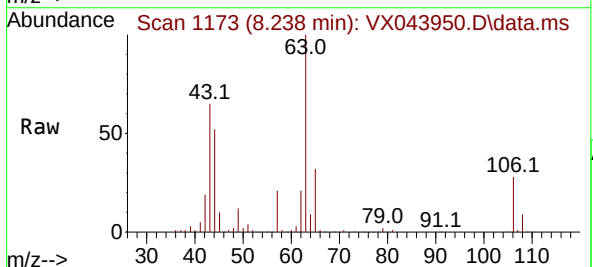
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 76 Resp: 132364  
Ion Ratio Lower Upper  
76 100  
78 32.8 26.0 39.0

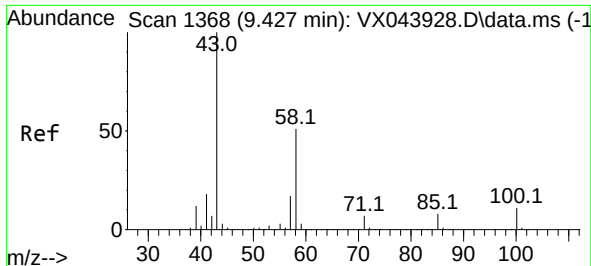


#58  
2-Chloroethyl Vinyl ether  
Concen: 244.819 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 63 Resp: 301050  
Ion Ratio Lower Upper  
63 100  
106 28.3 23.0 34.6



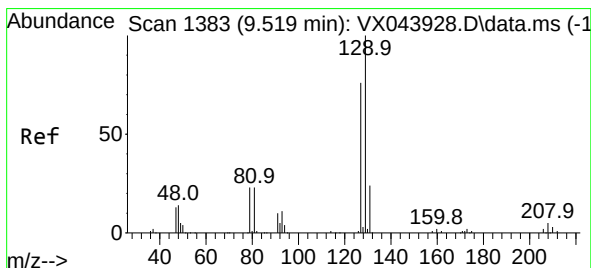
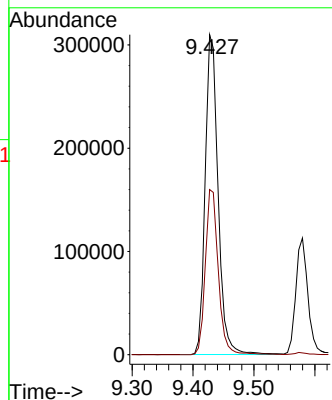
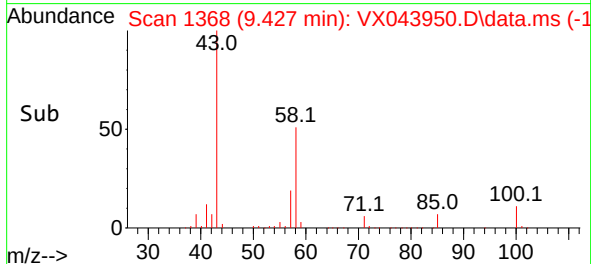
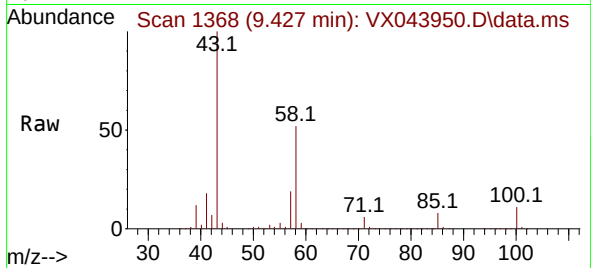




#59  
2-Hexanone  
Concen: 269.358 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

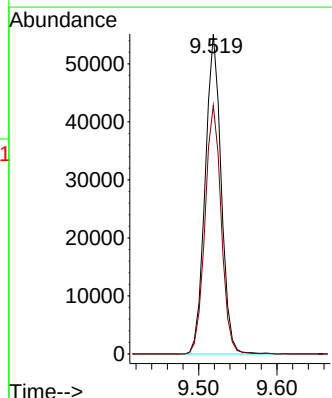
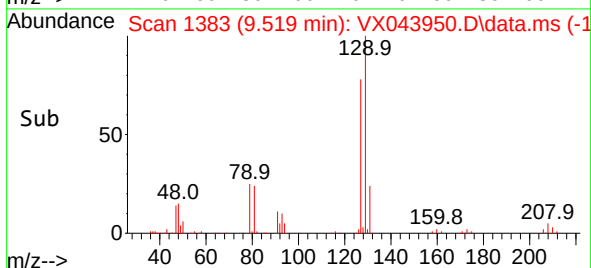
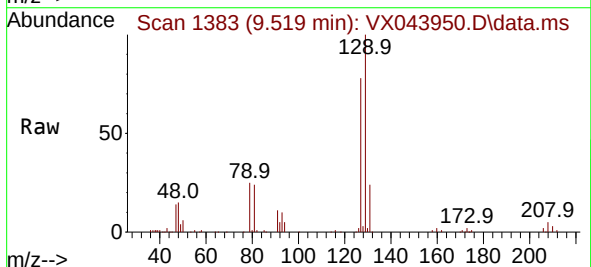
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

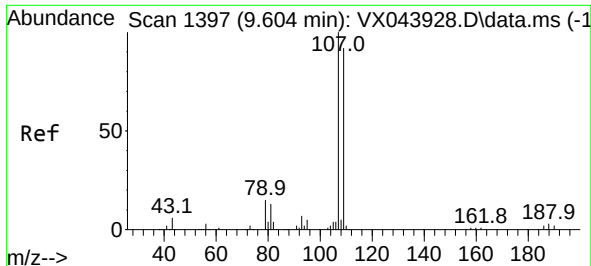
Tgt Ion: 43 Resp: 456702  
Ion Ratio Lower Upper  
43 100  
58 52.0 25.9 77.6



#60  
Dibromochloromethane  
Concen: 53.853 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 129 Resp: 77811  
Ion Ratio Lower Upper  
129 100  
127 78.8 38.2 114.6

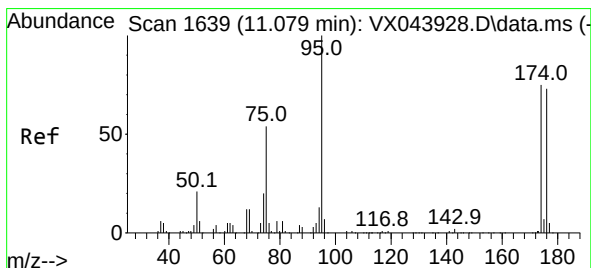
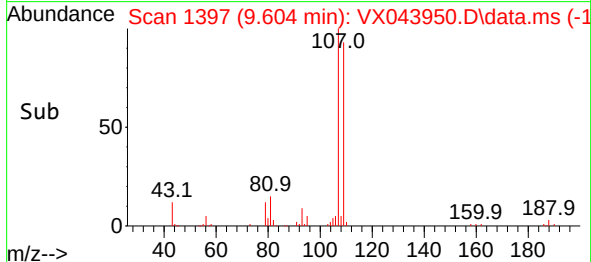
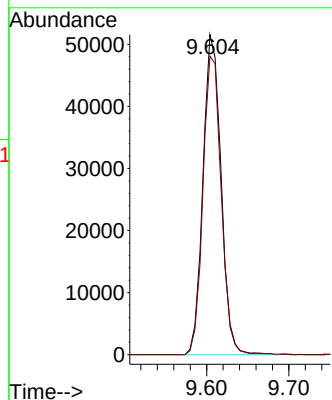
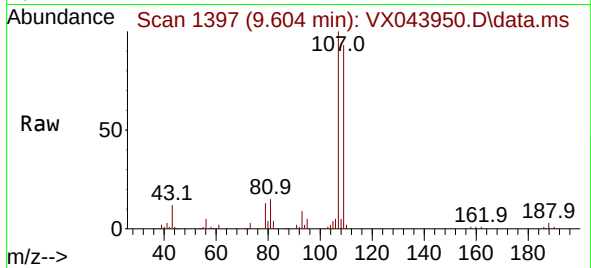




#61  
1,2-Dibromoethane  
Concen: 54.040 ug/l  
RT: 9.604 min Scan# 1397  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

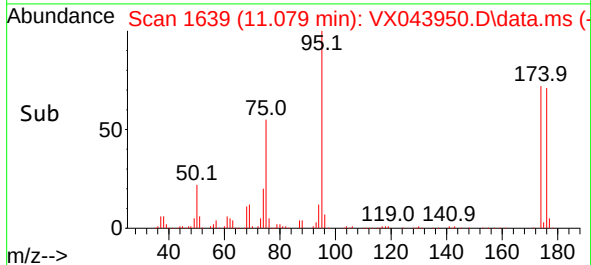
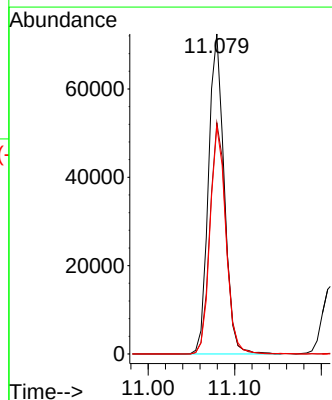
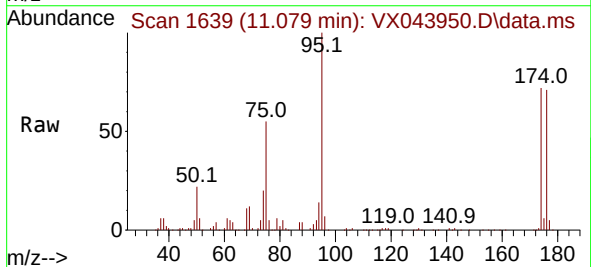
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

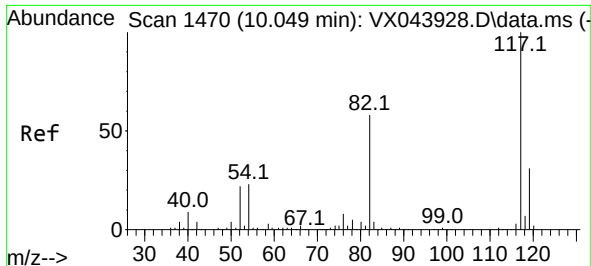
Tgt Ion:107 Resp: 78690  
Ion Ratio Lower Upper  
107 100  
109 94.2 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 51.686 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 95 Resp: 91050  
Ion Ratio Lower Upper  
95 100  
174 74.0 0.0 150.4  
176 71.5 0.0 146.0

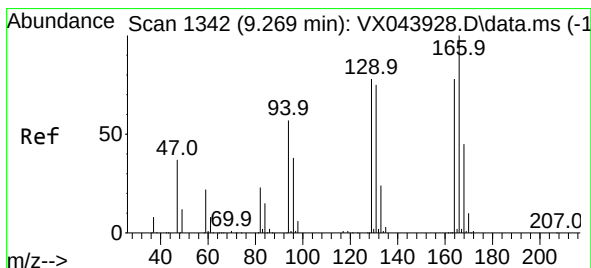
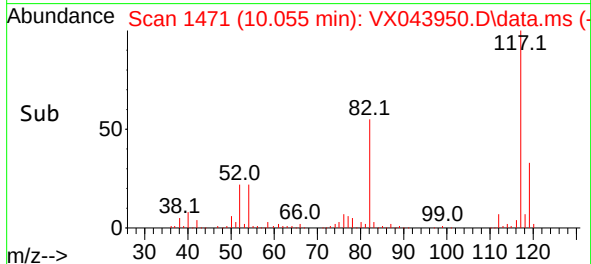
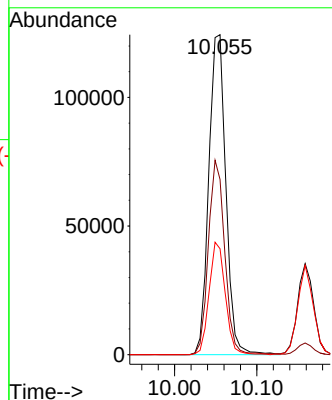
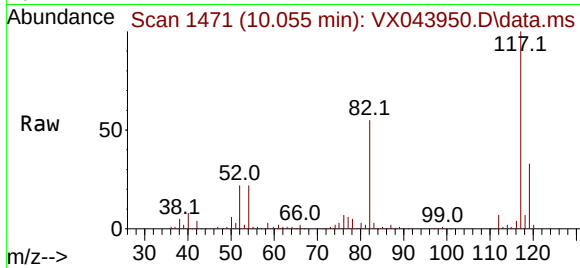




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1471  
Delta R.T. 0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

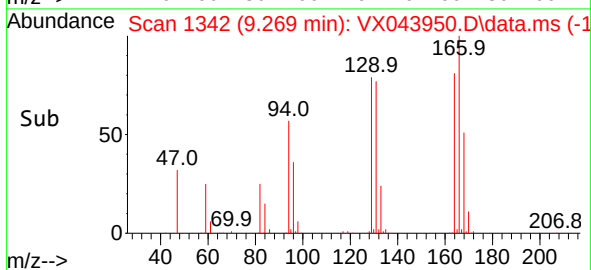
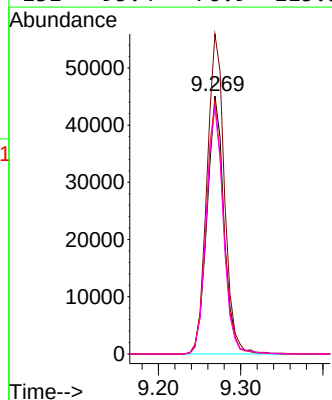
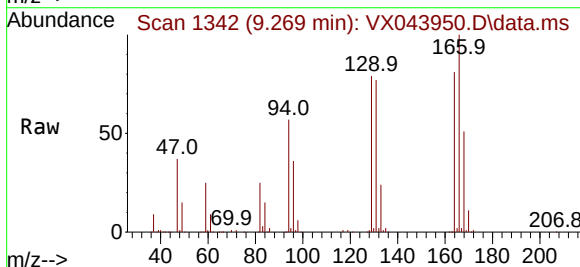
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

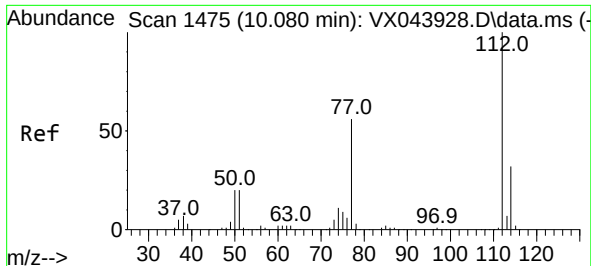
Tgt Ion:117 Resp: 179277  
Ion Ratio Lower Upper  
117 100  
82 54.8 46.4 69.6  
119 33.1 24.6 37.0



#64  
Tetrachloroethene  
Concen: 54.365 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion:164 Resp: 64266  
Ion Ratio Lower Upper  
164 100  
166 124.1 102.1 153.1  
129 98.1 79.6 119.4  
131 95.4 76.9 115.3

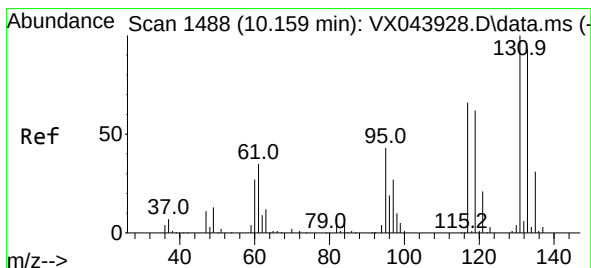
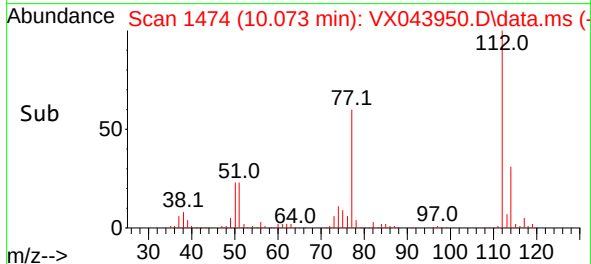
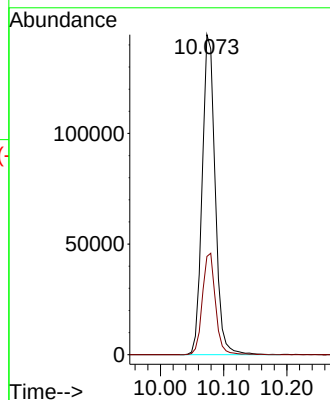
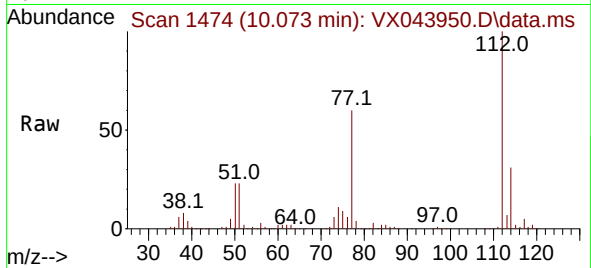




#65  
Chlorobenzene  
Concen: 52.640 ug/l  
RT: 10.073 min Scan# 1475  
Delta R.T. -0.006 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

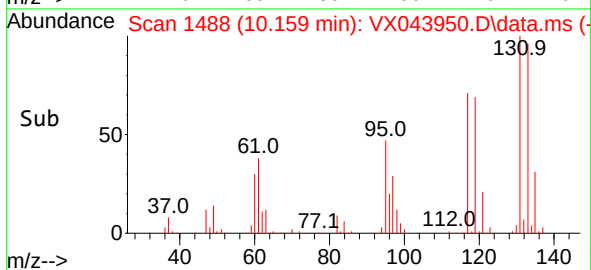
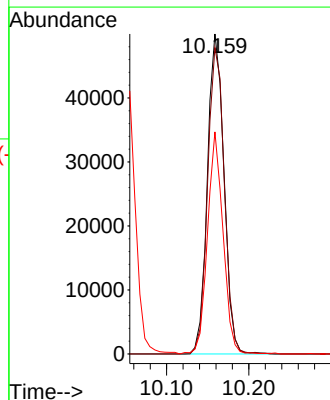
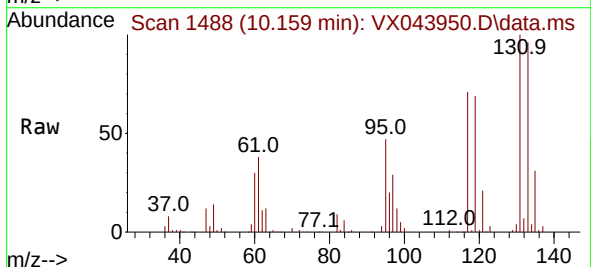
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

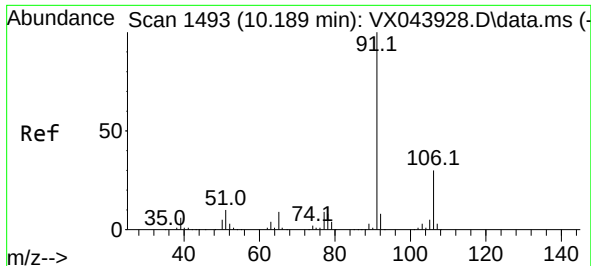
Tgt Ion:112 Resp: 207265  
Ion Ratio Lower Upper  
112 100  
114 30.7 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 54.854 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion:131 Resp: 70047  
Ion Ratio Lower Upper  
131 100  
133 96.7 48.2 144.6  
119 65.1 31.5 94.5





#67

Ethyl Benzene

Concen: 55.362 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

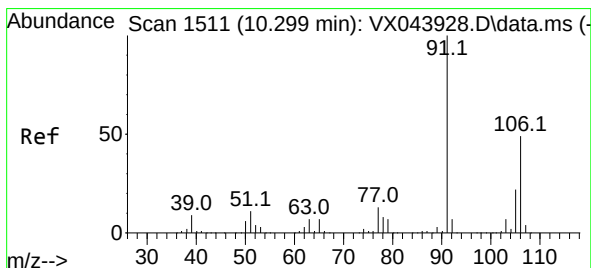
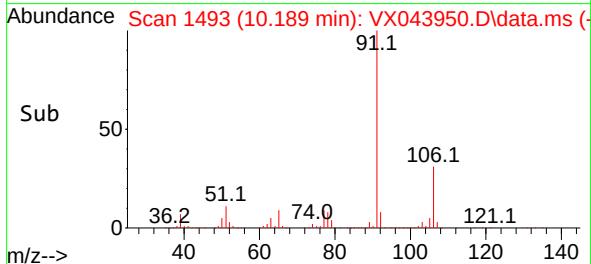
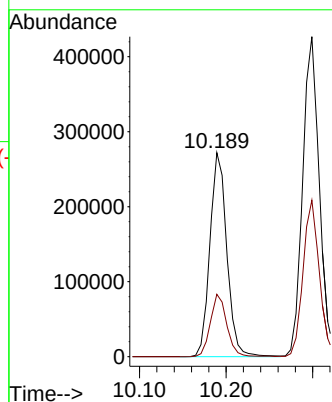
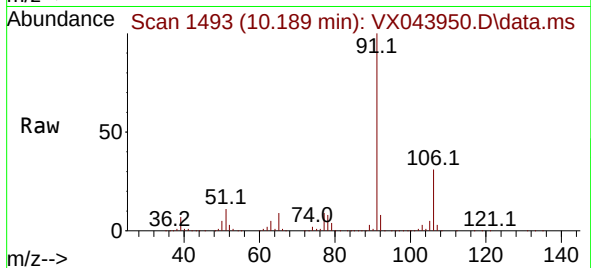
VSTDCCC050

Tgt Ion: 91 Resp: 369374

Ion Ratio Lower Upper

91 100

106 30.6 23.6 35.4



#68

m/p-Xylenes

Concen: 110.758 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043950.D

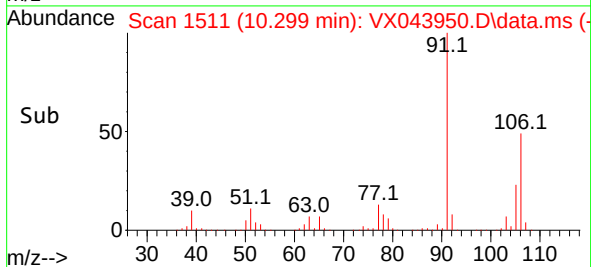
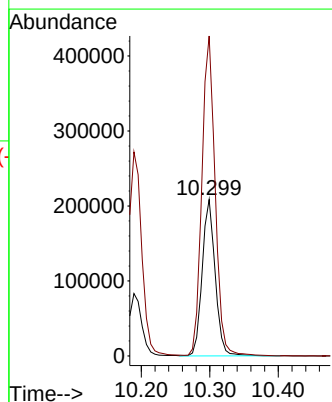
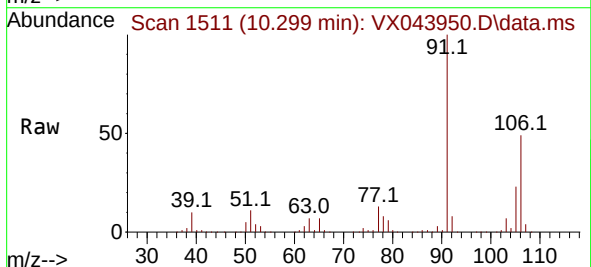
Acq: 22 Nov 2024 11:22

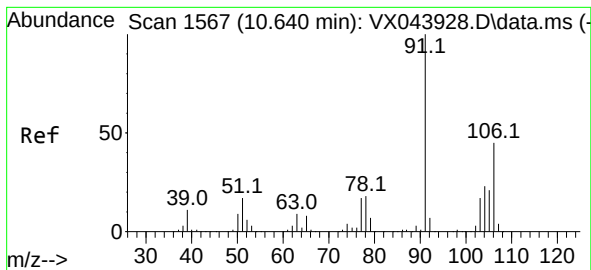
Tgt Ion:106 Resp: 275579

Ion Ratio Lower Upper

106 100

91 209.0 168.1 252.1

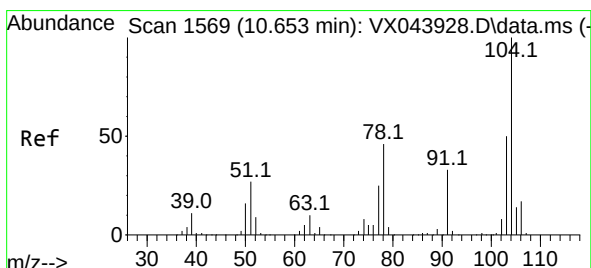
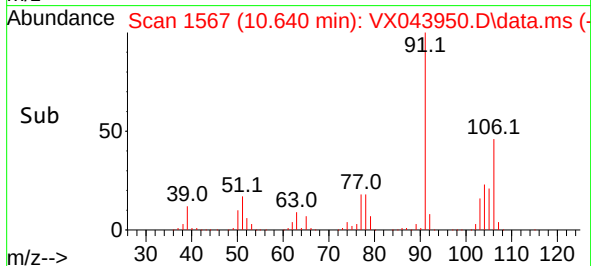
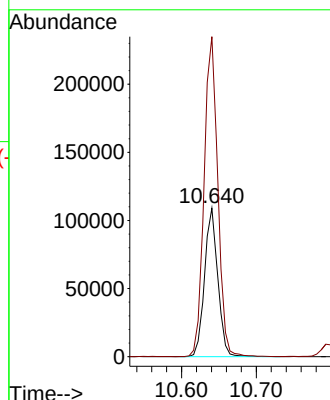
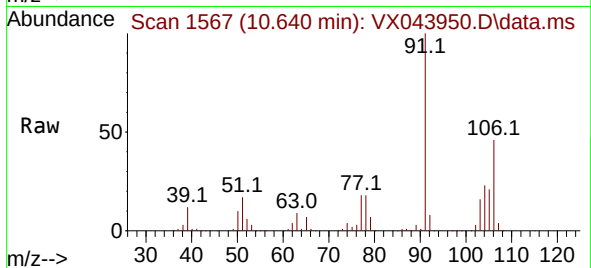




#69  
o-Xylene  
Concen: 55.187 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

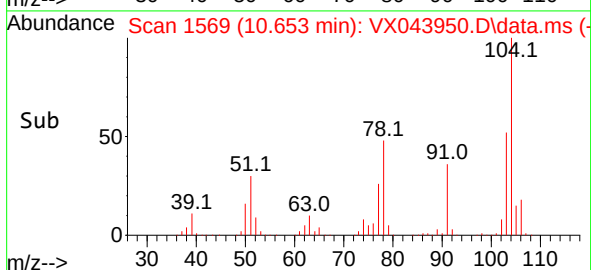
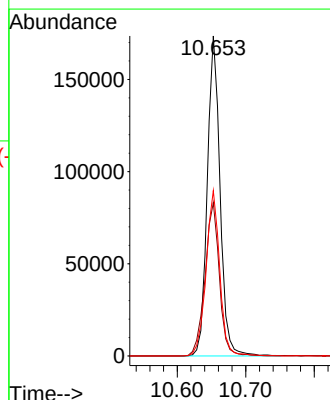
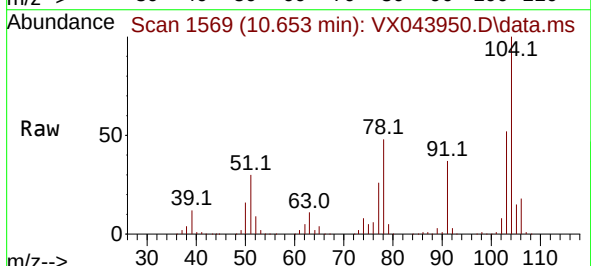
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

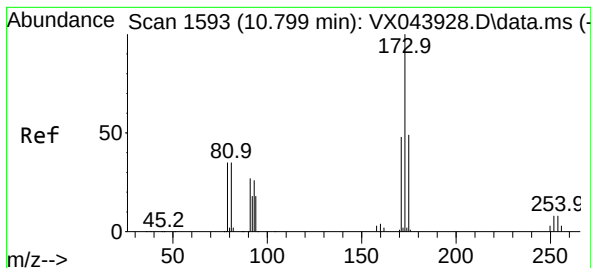
Tgt Ion:106 Resp: 134066  
Ion Ratio Lower Upper  
106 100  
91 223.3 110.2 330.6



#70  
Styrene  
Concen: 56.140 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion:104 Resp: 225568  
Ion Ratio Lower Upper  
104 100  
78 53.9 42.2 63.2  
103 55.5 44.7 67.1





#71

Bromoform

Concen: 48.773 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

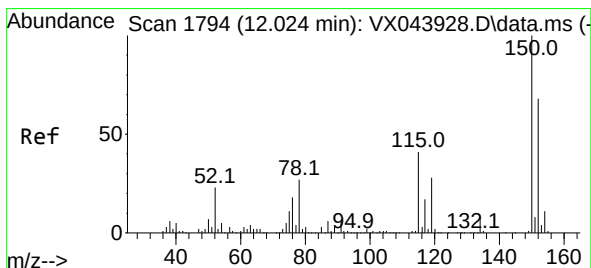
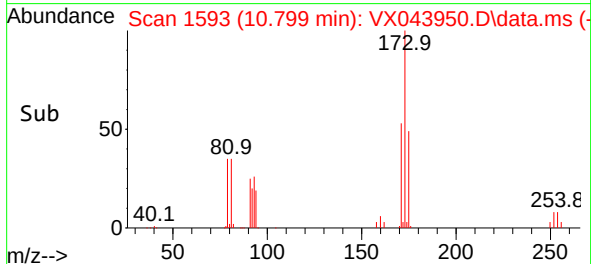
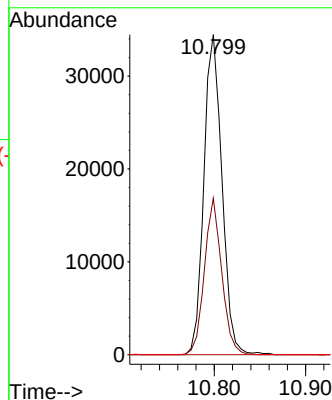
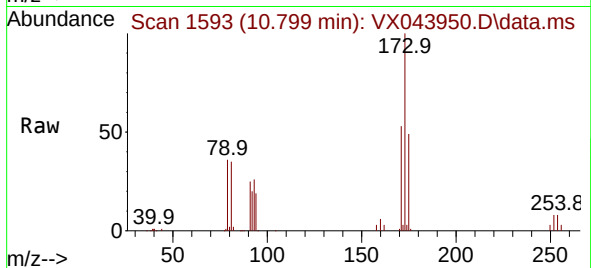
Tgt Ion:173 Resp: 47233

Ion Ratio Lower Upper

173 100

175 46.8 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

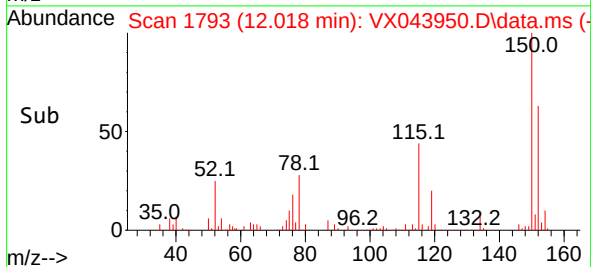
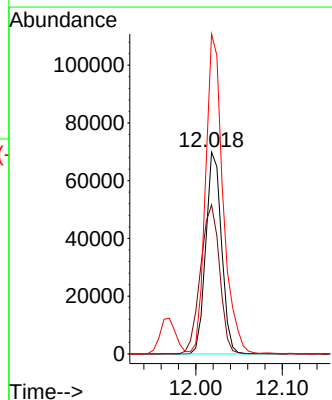
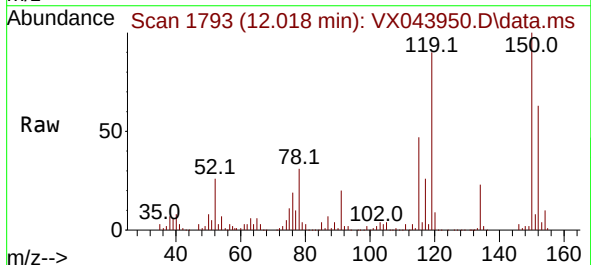
Tgt Ion:152 Resp: 88069

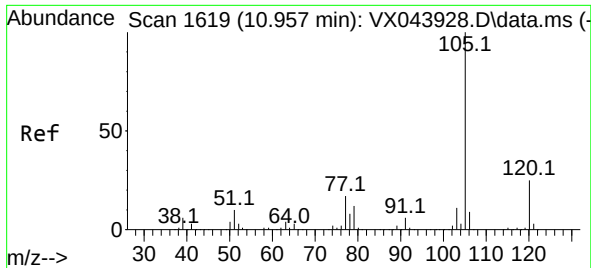
Ion Ratio Lower Upper

152 100

115 90.2 45.4 136.2

150 176.2 0.0 353.0

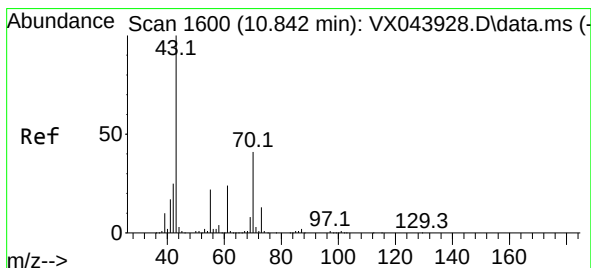
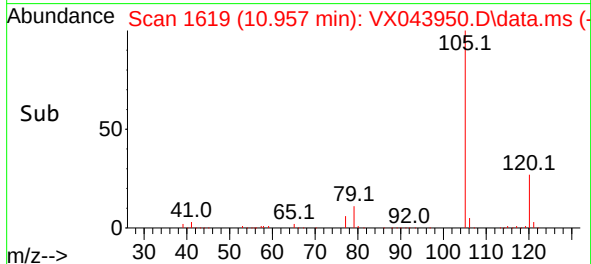
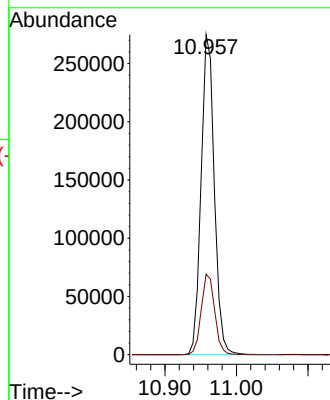
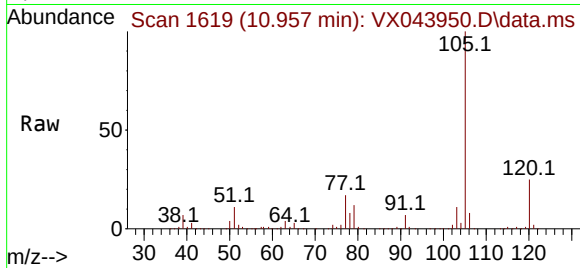




#73  
Isopropylbenzene  
Concen: 52.039 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

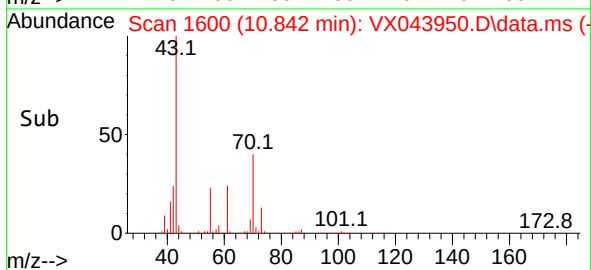
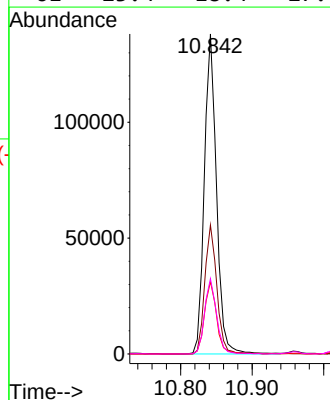
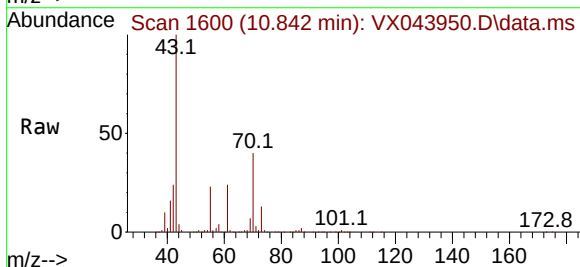
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:105 Resp: 352296  
Ion Ratio Lower Upper  
105 100  
120 25.6 13.0 38.9

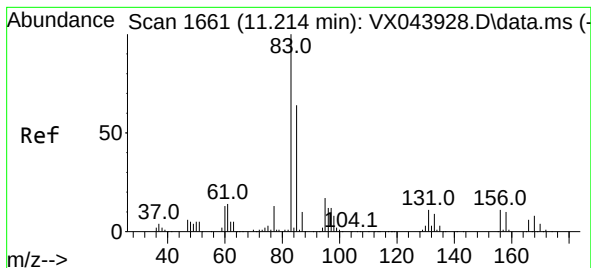


#74  
N-ethyl acetate  
Concen: 51.973 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 43 Resp: 162994  
Ion Ratio Lower Upper  
43 100  
70 40.1 32.2 48.2  
55 22.6 18.1 27.1  
61 23.4 18.4 27.6







#75

1,1,2,2-Tetrachloroethane

Concen: 51.403 ug/l

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

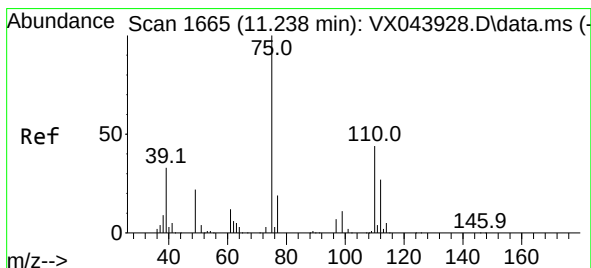
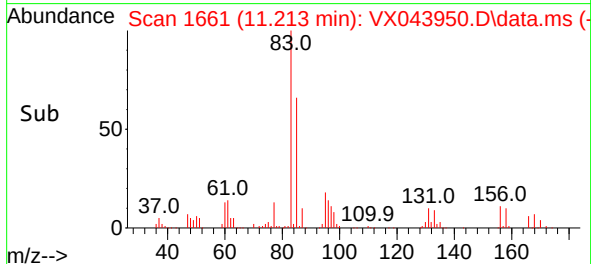
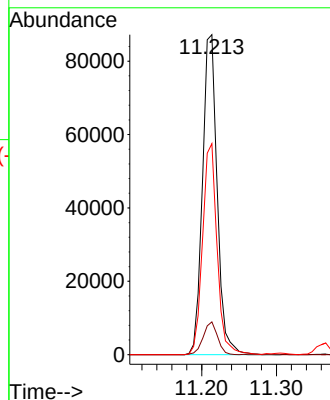
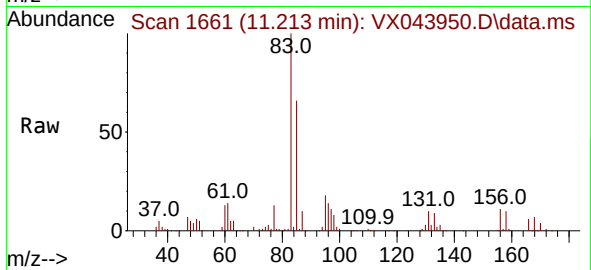
Tgt Ion: 83 Resp: 119153

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

85 65.2 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 67.913 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043950.D

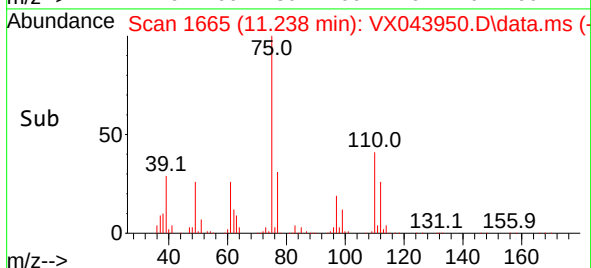
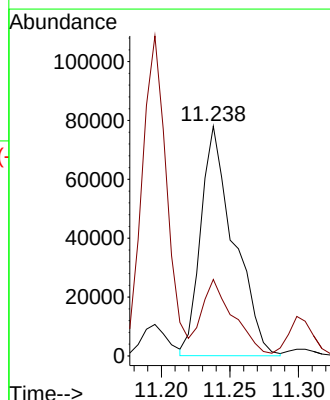
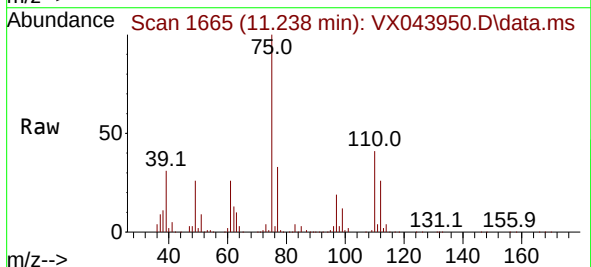
Acq: 22 Nov 2024 11:22

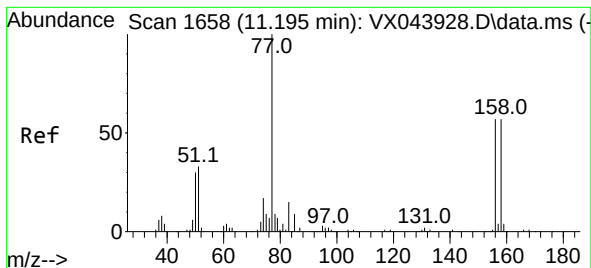
Tgt Ion: 75 Resp: 131164

Ion Ratio Lower Upper

75 100

77 32.1 21.8 65.3





#77

Bromobenzene

Concen: 51.338 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

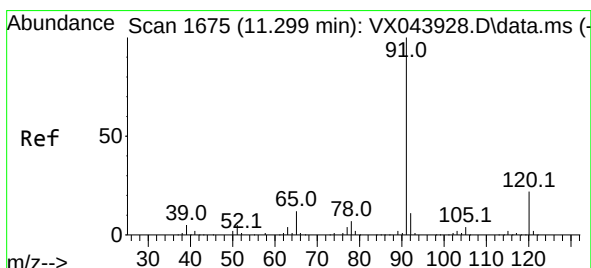
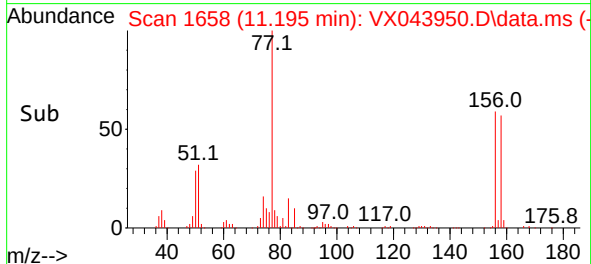
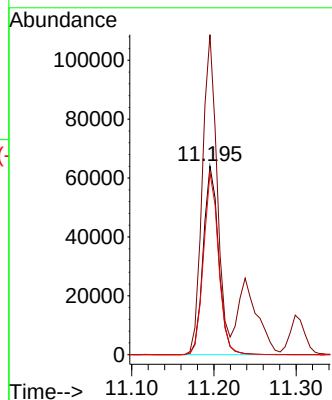
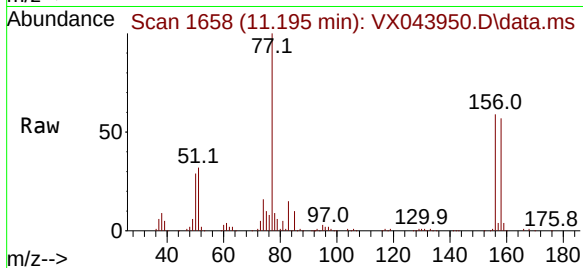
Tgt Ion:156 Resp: 82907

Ion Ratio Lower Upper

156 100

77 164.1 83.4 250.1

158 94.8 47.6 142.8



#78

n-propylbenzene

Concen: 53.765 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043950.D

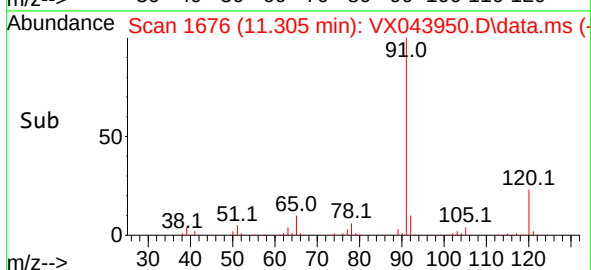
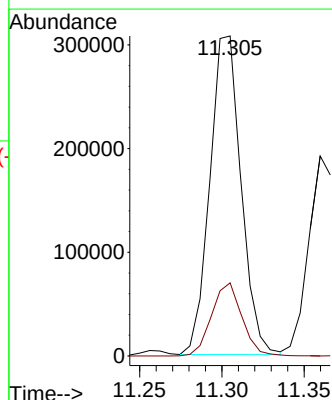
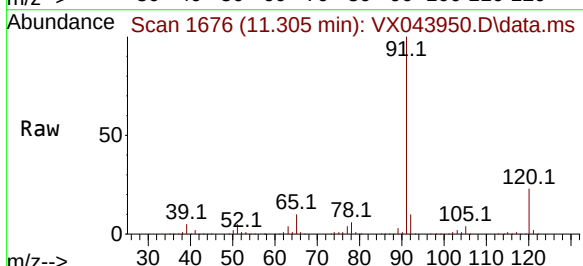
Acq: 22 Nov 2024 11:22

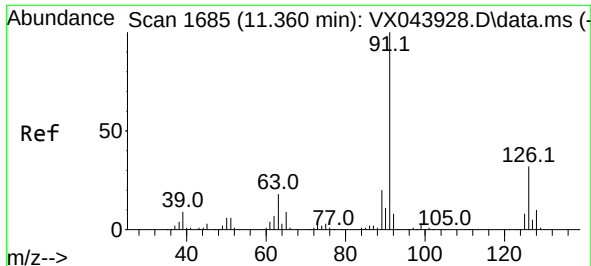
Tgt Ion: 91 Resp: 406514

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4

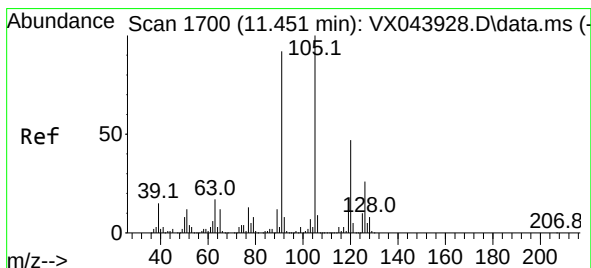
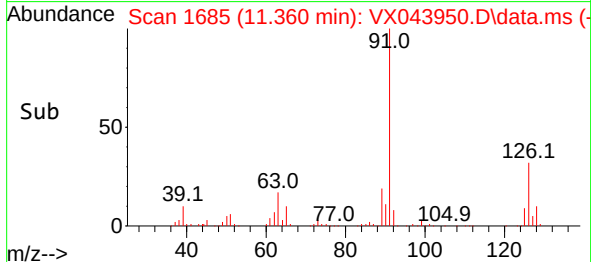
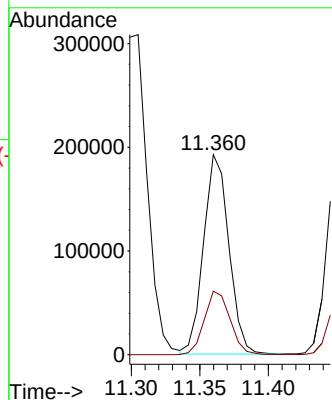
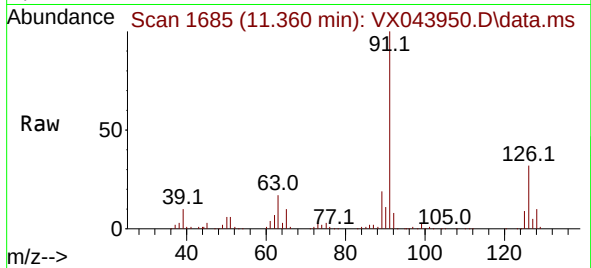




#79  
2-Chlorotoluene  
Concen: 51.573 ug/l  
RT: 11.360 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

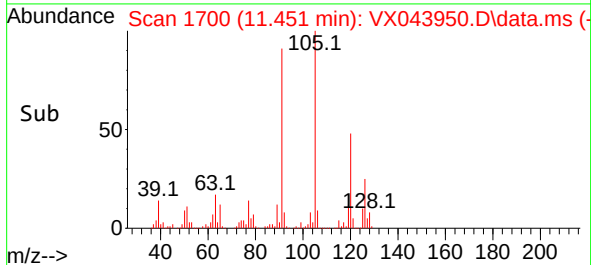
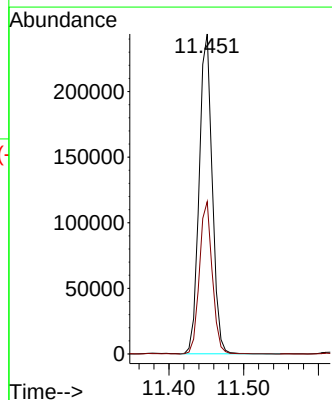
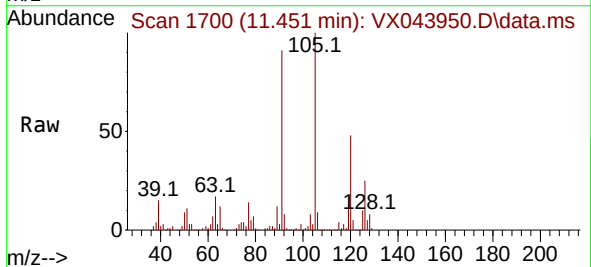
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

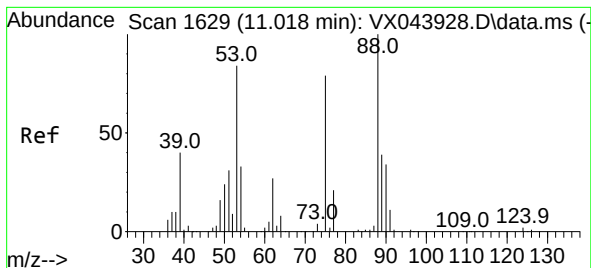
Tgt Ion: 91 Resp: 246574  
Ion Ratio Lower Upper  
91 100  
126 32.5 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 52.968 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 105 Resp: 295006  
Ion Ratio Lower Upper  
105 100  
120 46.9 23.3 69.8

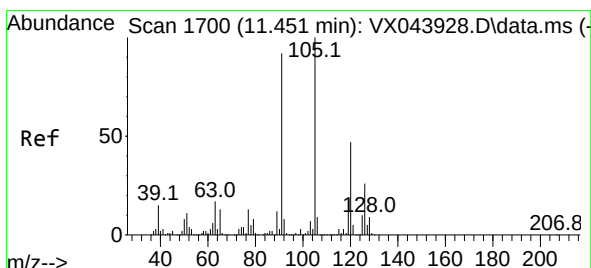
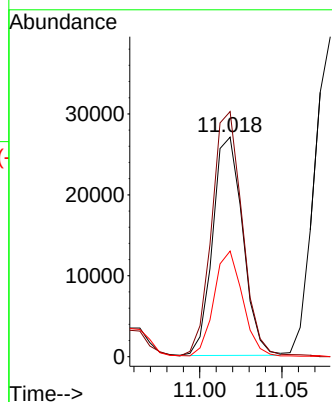
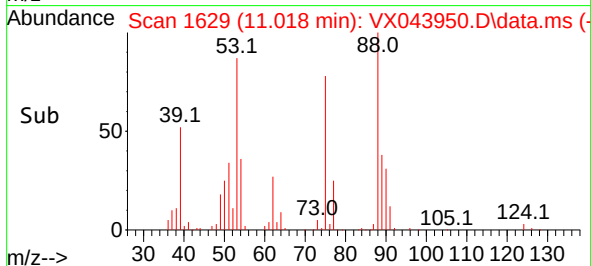
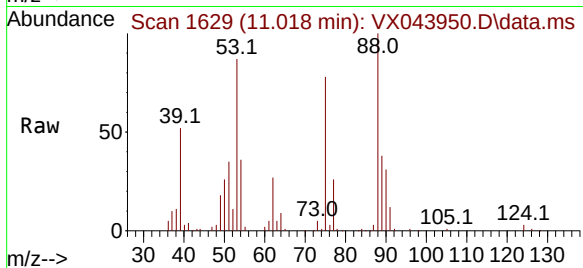




#81  
trans-1,4-Dichloro-2-butene  
Concen: 48.492 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

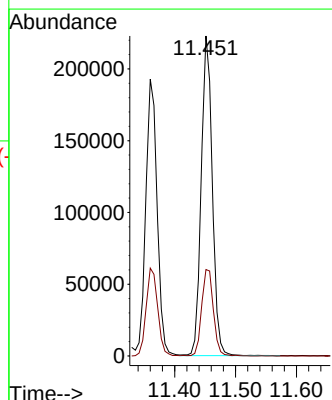
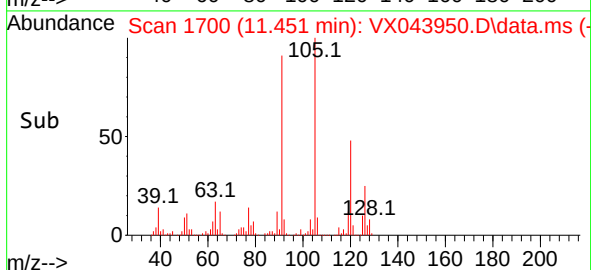
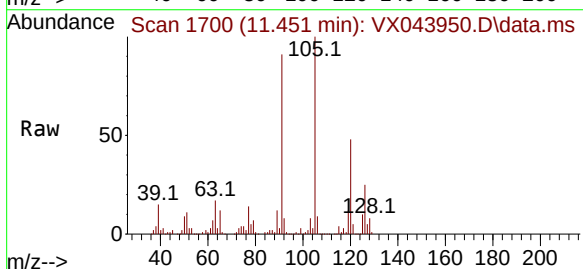
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

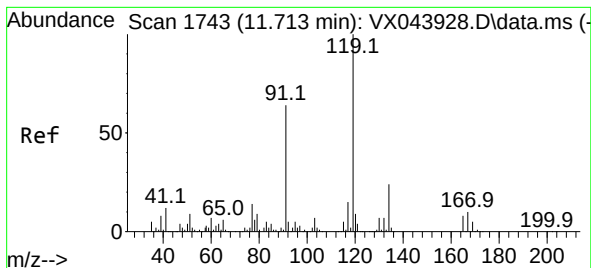
Tgt Ion: 75 Resp: 34321  
Ion Ratio Lower Upper  
75 100  
53 115.3 86.7 130.1  
89 46.8 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 52.200 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 91 Resp: 281758  
Ion Ratio Lower Upper  
91 100  
126 28.6 14.3 42.9





#83

tert-Butylbenzene

Concen: 52.754 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

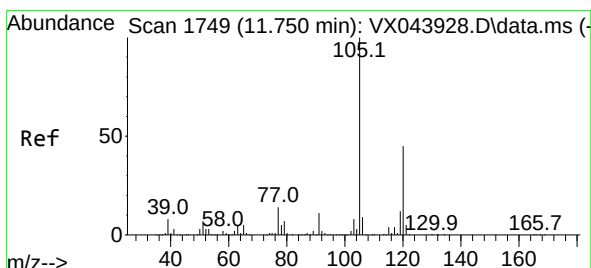
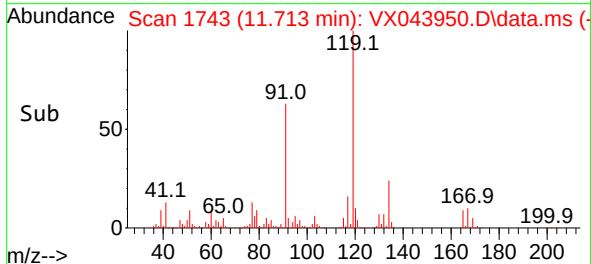
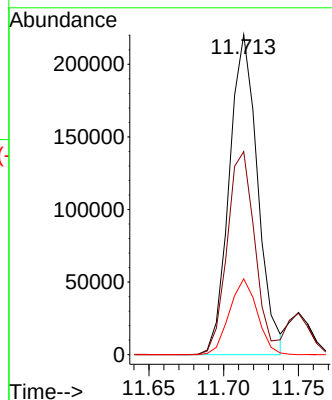
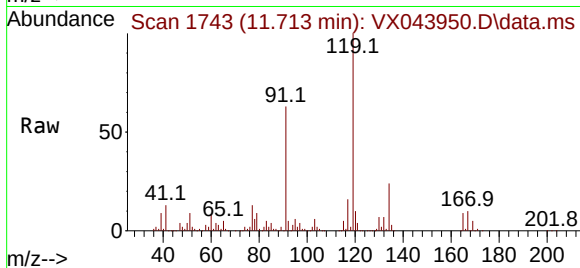
Tgt Ion:119 Resp: 291225

Ion Ratio Lower Upper

119 100

91 61.3 31.0 93.0

134 23.2 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 53.956 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043950.D

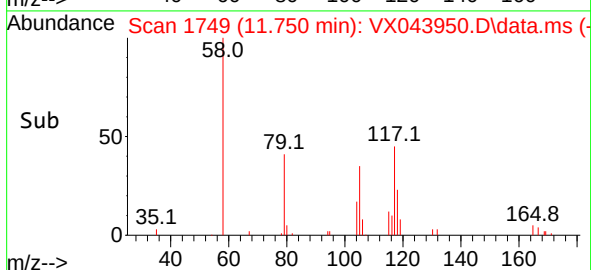
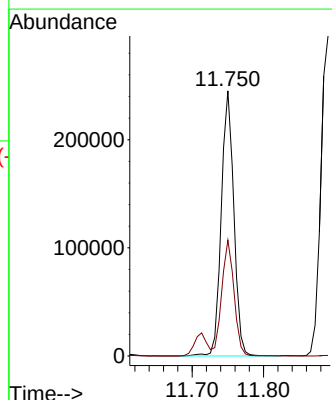
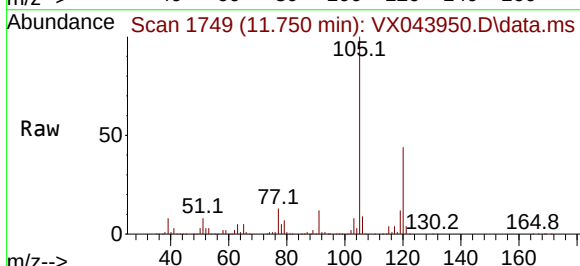
Acq: 22 Nov 2024 11:22

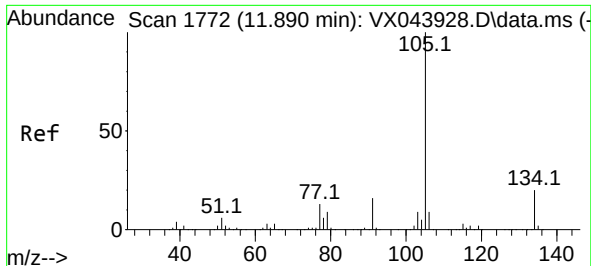
Tgt Ion:105 Resp: 299186

Ion Ratio Lower Upper

105 100

120 42.8 21.9 65.7

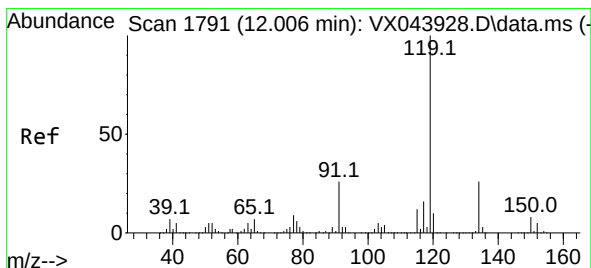
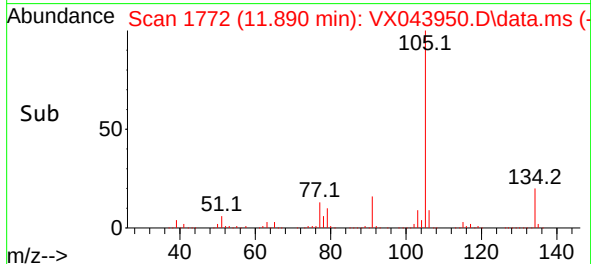
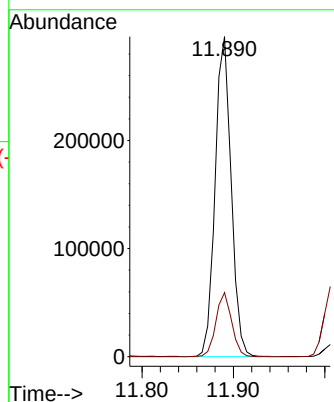
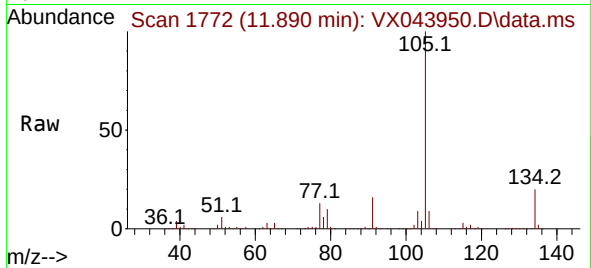




#85  
 sec-Butylbenzene  
 Concen: 53.293 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

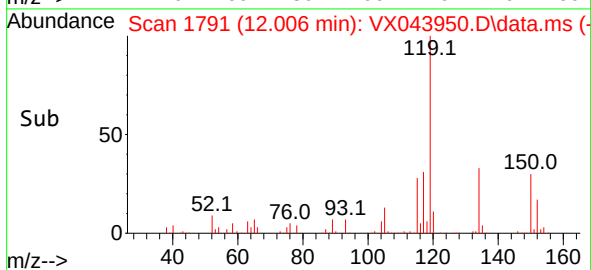
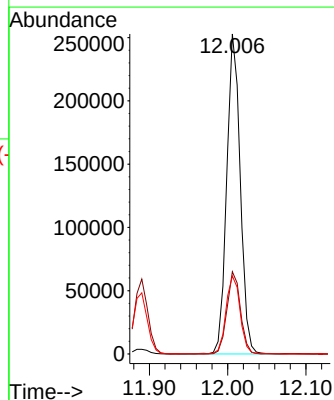
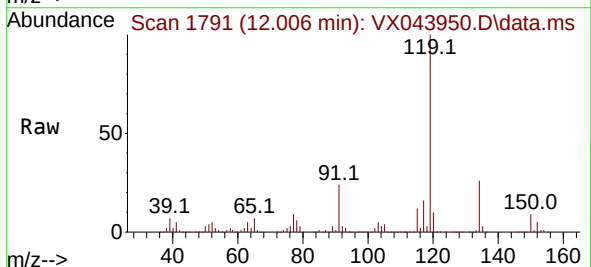
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

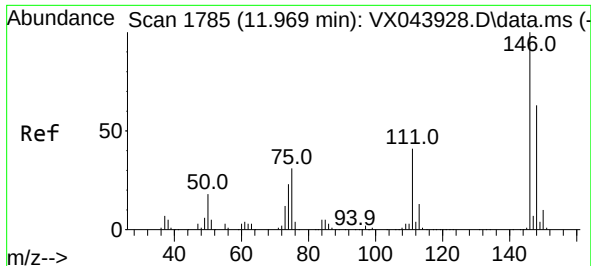
Tgt Ion:105 Resp: 360460  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 55.361 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX043950.D  
 Acq: 22 Nov 2024 11:22

Tgt Ion:119 Resp: 304159  
 Ion Ratio Lower Upper  
 119 100  
 134 25.7 13.0 38.9  
 91 25.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 52.089 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

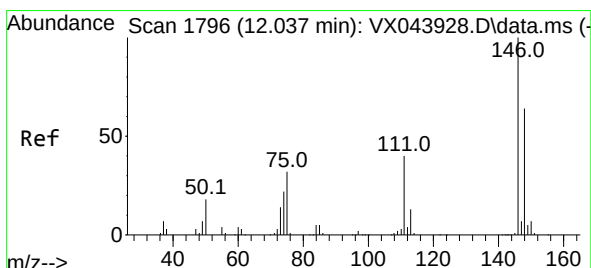
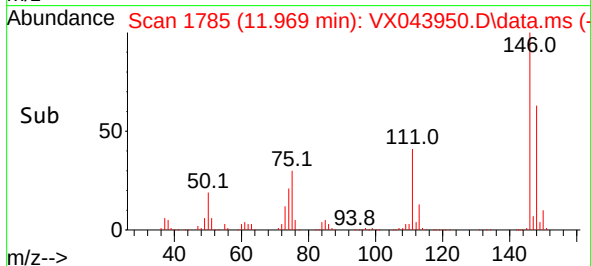
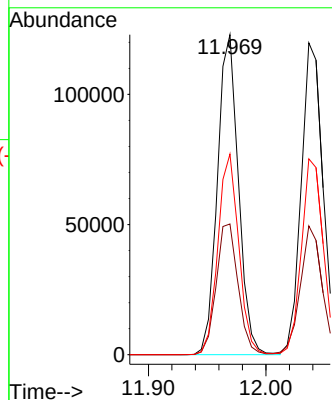
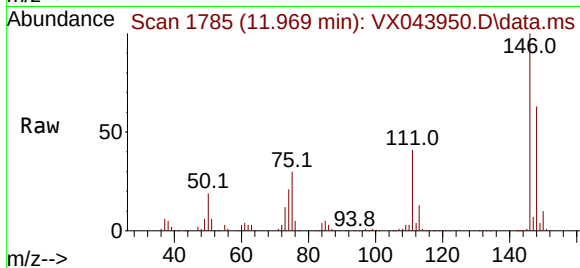
Tgt Ion:146 Resp: 153209

Ion Ratio Lower Upper

146 100

111 42.5 21.1 63.3

148 62.2 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 51.511 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

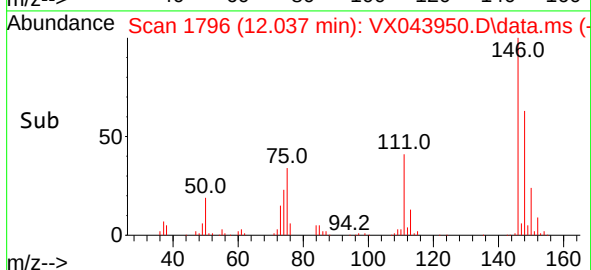
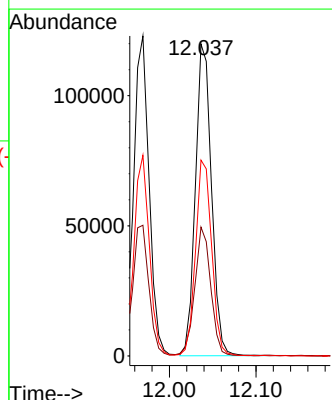
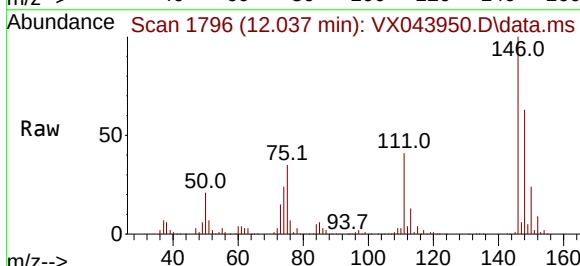
Tgt Ion:146 Resp: 154469

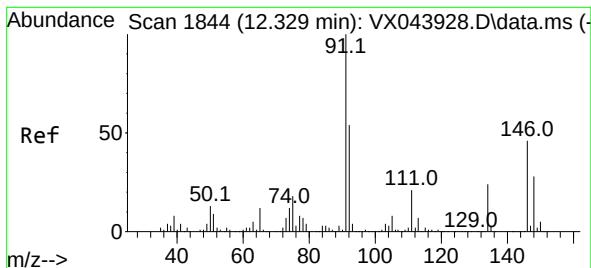
Ion Ratio Lower Upper

146 100

111 41.2 20.1 60.3

148 63.4 30.9 92.8





#89

n-Butylbenzene

Concen: 55.414 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

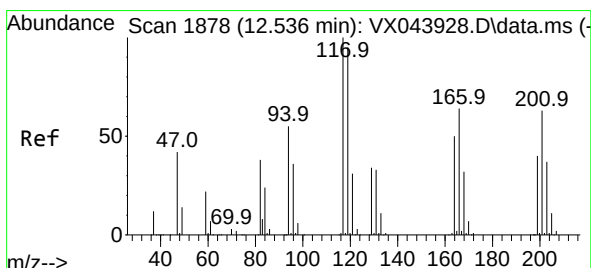
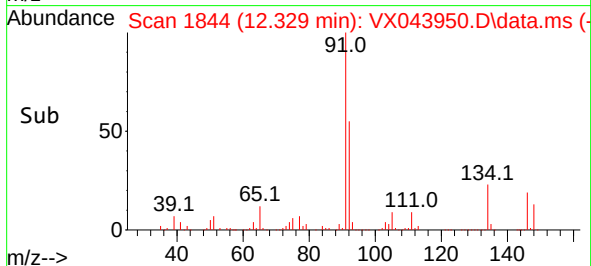
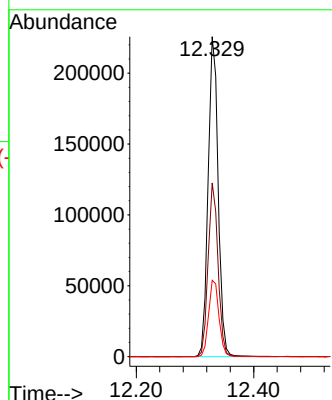
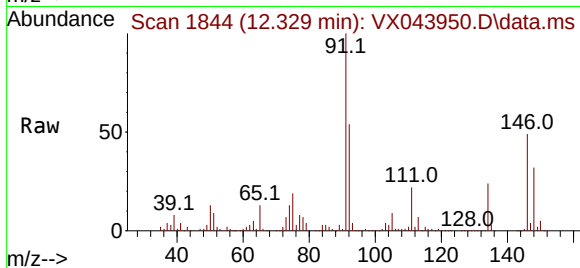
Tgt Ion: 91 Resp: 268422

Ion Ratio Lower Upper

91 100

92 53.6 26.6 79.8

134 24.8 12.4 37.2



#90

Hexachloroethane

Concen: 50.336 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043950.D

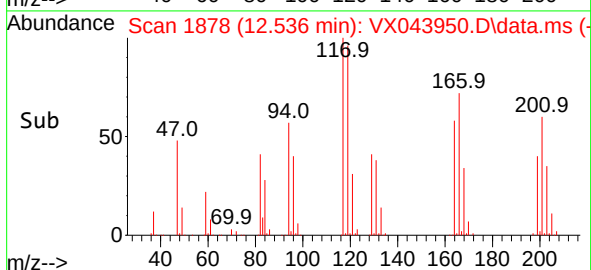
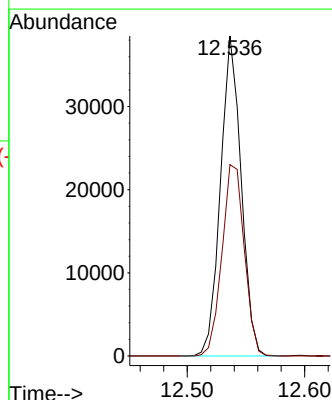
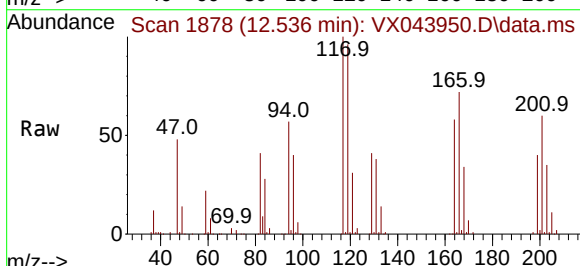
Acq: 22 Nov 2024 11:22

Tgt Ion: 117 Resp: 47025

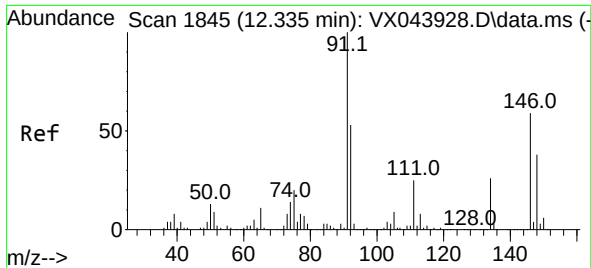
Ion Ratio Lower Upper

117 100

201 64.6 32.4 97.0



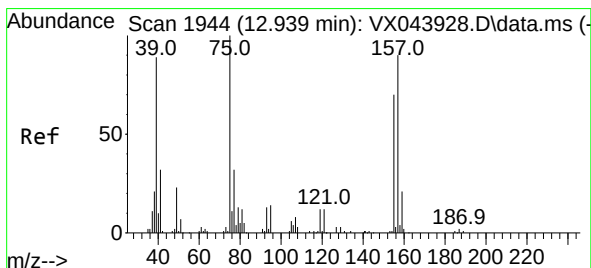
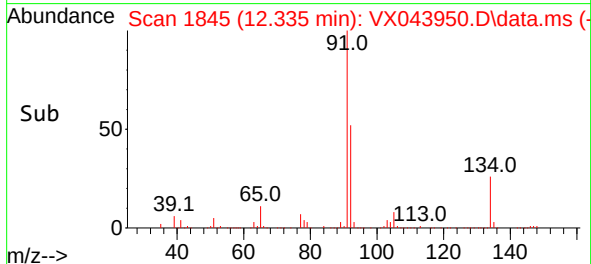
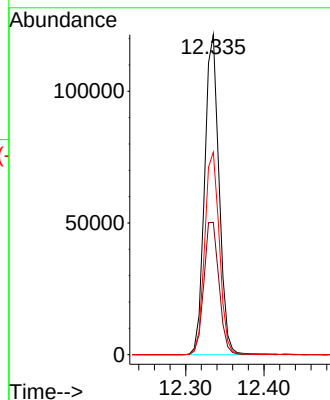
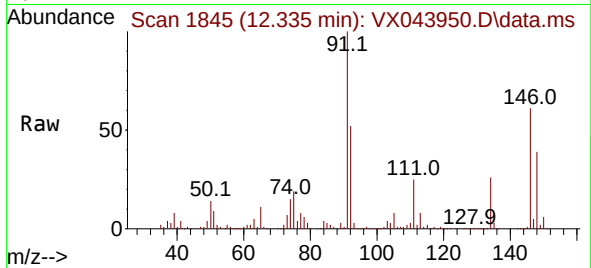




#91  
1,2-Dichlorobenzene  
Concen: 52.281 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

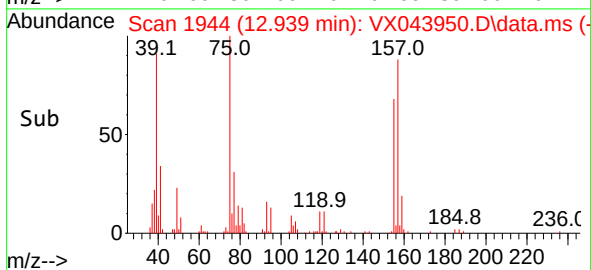
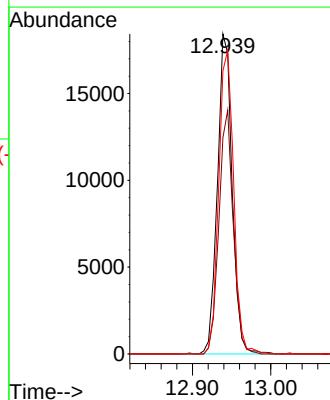
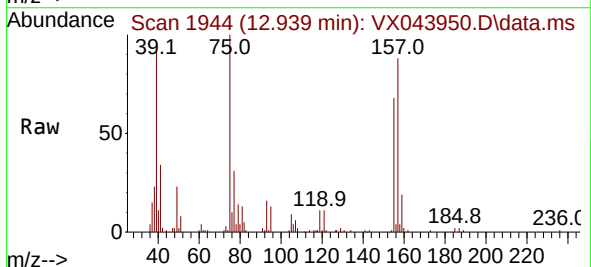
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

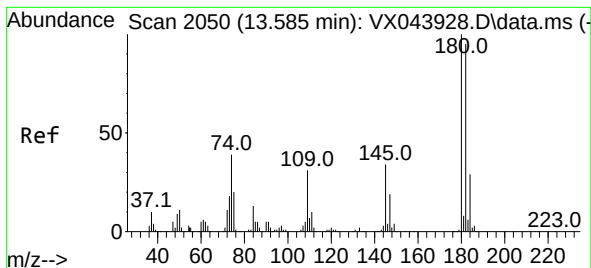
Tgt Ion:146 Resp: 155184  
Ion Ratio Lower Upper  
146 100  
111 43.4 21.5 64.5  
148 64.5 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 52.076 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX043950.D  
Acq: 22 Nov 2024 11:22

Tgt Ion: 75 Resp: 24188  
Ion Ratio Lower Upper  
75 100  
155 74.3 40.1 120.2  
157 96.2 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 54.252 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

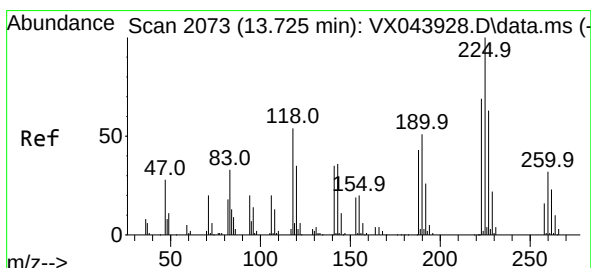
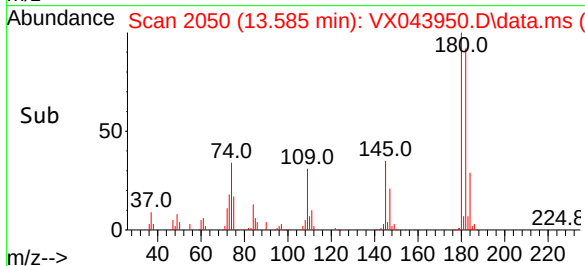
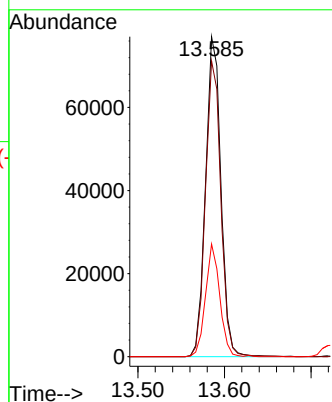
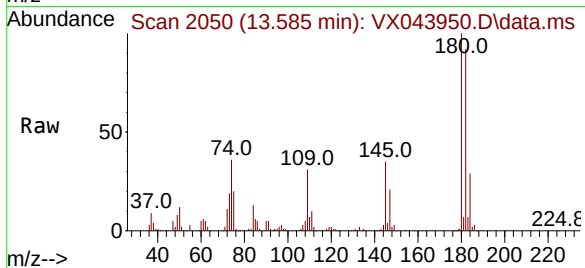
Tgt Ion:180 Resp: 94940

Ion Ratio Lower Upper

180 100

182 92.6 48.0 144.2

145 32.8 16.8 50.4



#94

Hexachlorobutadiene

Concen: 51.785 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

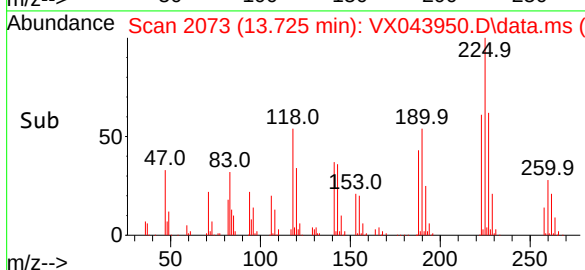
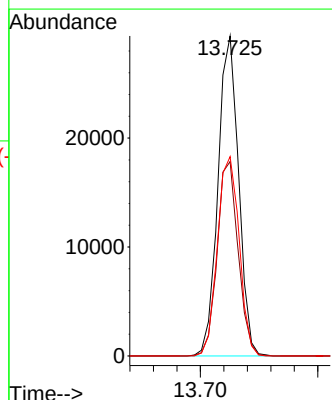
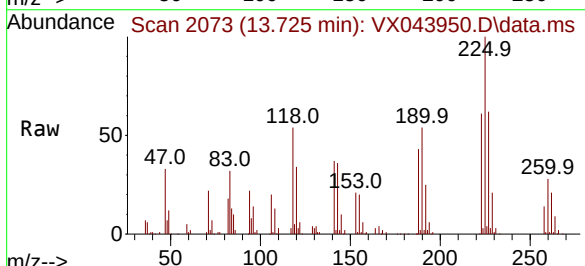
Tgt Ion:225 Resp: 35816

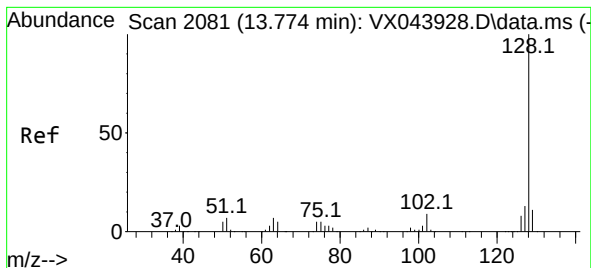
Ion Ratio Lower Upper

225 100

223 61.7 32.9 98.6

227 65.7 31.6 94.8





#95

Naphthalene

Concen: 55.215 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

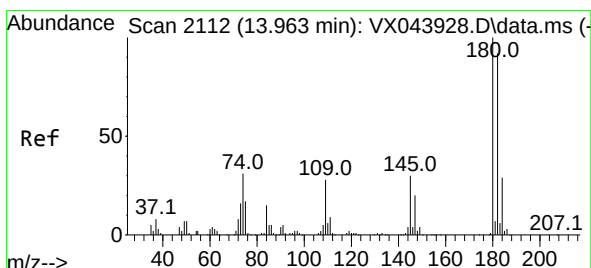
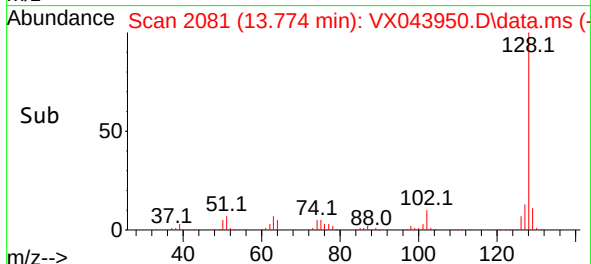
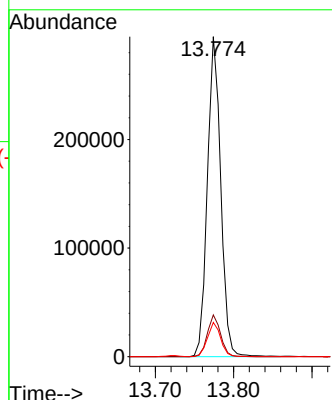
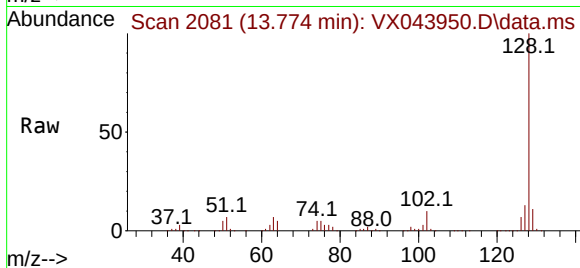
Tgt Ion:128 Resp: 347826

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.6 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 55.041 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX043950.D

Acq: 22 Nov 2024 11:22

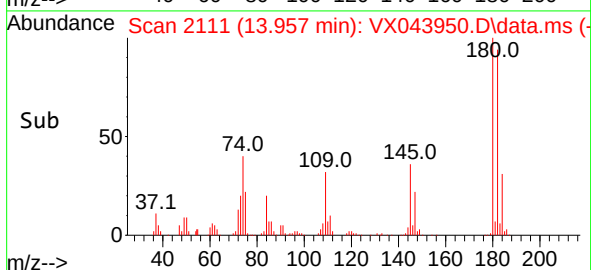
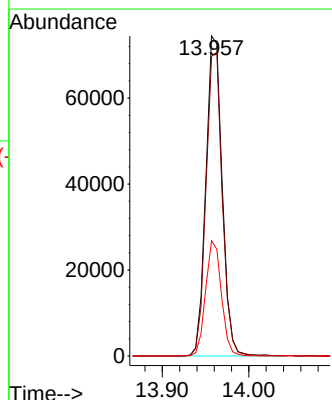
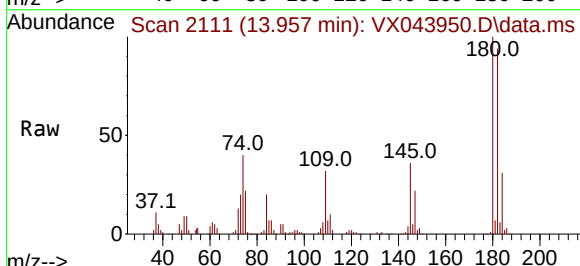
Tgt Ion:180 Resp: 97491

Ion Ratio Lower Upper

180 100

182 94.5 45.6 136.8

145 34.8 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043953.D  
 Acq On : 22 Nov 2024 12:36  
 Operator : JC/MD  
 Sample : VX1122WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBS01

Quant Time: Nov 22 22:19:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|------------------------------|--------|-------|----------|----------|--------|----------|
| -----                        |        |       |          |          |        |          |
| Internal Standards           |        |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.543  | 168   | 122957   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 229417   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 195535   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 86659    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 113852   | 53.986   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | =      | 107.980% |
| 35) Dibromofluoromethane     | 5.379  | 113   | 82706    | 50.452   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | =      | 100.900% |
| 50) Toluene-d8               | 8.647  | 98    | 287688   | 50.911   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | =      | 101.820% |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 96910    | 50.392   | ug/l   | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | =      | 100.780% |
| Target Compounds             |        |       |          |          |        |          |
|                              |        |       |          |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 31130    | 19.985   | ug/l   | 94       |
| 3) Chloromethane             | 1.294  | 50    | 34079    | 20.791   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.373  | 62    | 36280    | 20.809   | ug/l   | 100      |
| 5) Bromomethane              | 1.599  | 94    | 23111    | 21.548   | ug/l   | 97       |
| 6) Chloroethane              | 1.666  | 64    | 24828    | 23.371   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.873  | 101   | 60641    | 19.455   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.136  | 74    | 23915    | 21.050   | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318  | 101   | 30353    | 20.414   | ug/l   | 97       |
| 10) Methyl Iodide            | 2.446  | 142   | 39789    | 21.427   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.989  | 59    | 34049    | 100.588  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.312  | 96    | 28927    | 20.417   | ug/l   | 93       |
| 13) Acrolein                 | 2.239  | 56    | 37938    | 106.330  | ug/l   | 95       |
| 14) Allyl chloride           | 2.660  | 41    | 48638    | 21.009   | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062  | 53    | 85765    | 103.970  | ug/l   | 99       |
| 16) Acetone                  | 2.386  | 43    | 96805    | 99.942   | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.501  | 76    | 49804    | 17.041   | ug/l # | 95       |
| 18) Methyl Acetate           | 2.703  | 43    | 46269    | 20.512   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 110640   | 21.507   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782  | 84    | 34071    | 20.728   | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 30530    | 20.871   | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.757  | 45    | 109520   | 22.124   | ug/l # | 87       |
| 23) Vinyl Acetate            | 3.721  | 43    | 453316   | 107.047  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 60662    | 21.241   | ug/l   | 98       |
| 25) 2-Butanone               | 4.562  | 43    | 130824   | 104.675  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.471  | 77    | 52043    | 20.178   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 37579    | 20.783   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891  | 49    | 24947    | 19.846   | ug/l   | 97       |
| 29) Tetrahydrofuran          | 5.007  | 42    | 79046    | 103.164  | ug/l   | 99       |
| 30) Chloroform               | 5.086  | 83    | 66350    | 21.602   | ug/l   | 97       |
| 31) Cyclohexane              | 5.458  | 56    | 46697    | 19.867   | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 56657    | 21.390   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684  | 75    | 41234    | 20.185   | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.714  | 43    | 49752    | 19.620   | ug/l # | 92       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 43324    | 18.875   | ug/l   | 95       |
| 39) Methylcyclohexane        | 7.372  | 83    | 49229    | 18.550   | ug/l   | 98       |
| 40) Benzene                  | 6.031  | 78    | 129291   | 20.319   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043953.D  
 Acq On : 22 Nov 2024 12:36  
 Operator : JC/MD  
 Sample : VX1122WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBS01

Quant Time: Nov 22 22:19:39 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 26340    | 20.295  | ug/l # | 93       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 52905    | 20.702  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 81776    | 20.264  | ug/l   | 100      |
| 44) Trichloroethene           | 7.122  | 130  | 30582    | 16.978  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 32777    | 21.032  | ug/l   | 97       |
| 46) Dibromomethane            | 7.574  | 93   | 25316    | 20.535  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.817  | 83   | 43925    | 19.866  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.689  | 41   | 38226    | 19.741  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 11659    | 338.011 | ug/l # | 80       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 248440   | 100.883 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 77505    | 20.351  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 45015    | 19.965  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 48377    | 19.572  | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 31640    | 20.126  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 49905    | 20.380  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 55597    | 20.993  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 122520   | 90.630  | ug/l   | 98       |
| 59) 2-Hexanone                | 9.433  | 43   | 186272   | 100.633 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 29549    | 18.733  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 32532    | 20.465  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.274  | 164  | 26135    | 20.270  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 85495    | 19.908  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 28882    | 20.737  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 148481   | 20.404  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 109390   | 40.309  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 54754    | 20.665  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 90186    | 20.579  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 16436    | 16.936  | ug/l # | 94       |
| 73) Isopropylbenzene          | 10.963 | 105  | 140447   | 21.084  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 63571    | 20.600  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 49179    | 21.561  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 49676    | 26.139  | ug/l   | 88       |
| 77) Bromobenzene              | 11.195 | 156  | 32930    | 20.723  | ug/l   | 96       |
| 78) n-propylbenzene           | 11.305 | 91   | 155584   | 20.912  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 100875   | 21.442  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 119899   | 21.878  | ug/l   | 98       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11627    | 16.695  | ug/l # | 84       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 112420   | 21.166  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 114224   | 21.028  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 116894   | 21.424  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 136947   | 20.577  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 114908   | 21.255  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 59626    | 20.602  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 58980    | 19.988  | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.329 | 91   | 99700    | 20.917  | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 17220    | 18.732  | ug/l   | 91       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 60326    | 20.654  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 7938     | 17.368  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 33614    | 19.521  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 13463    | 19.782  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 124279   | 20.050  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 35212    | 20.203  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043953.D  
Acq On : 22 Nov 2024 12:36  
Operator : JC/MD  
Sample : VX1122WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

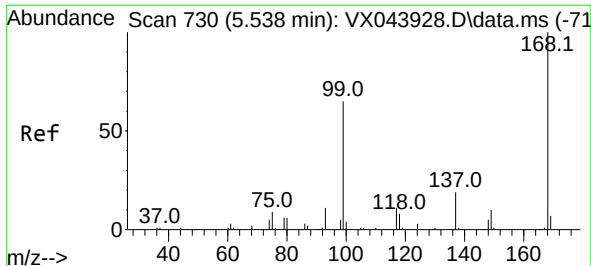
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Quant Time: Nov 22 22:19:39 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

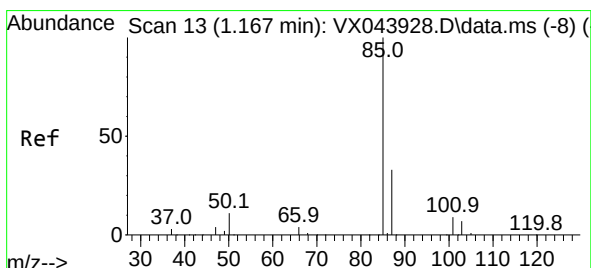
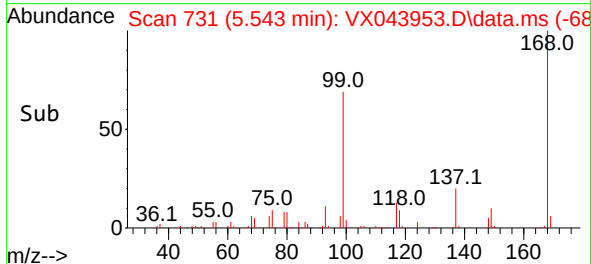
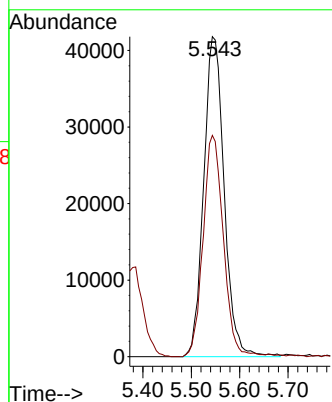
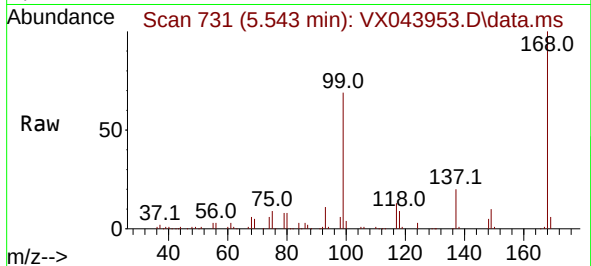




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 71  
Delta R.T. 0.005 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

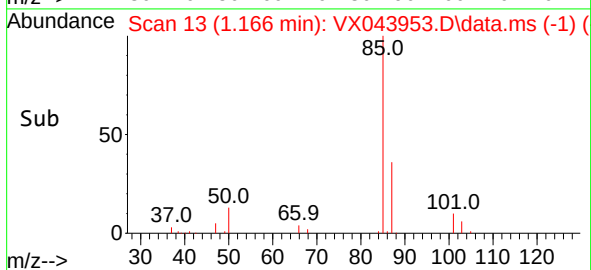
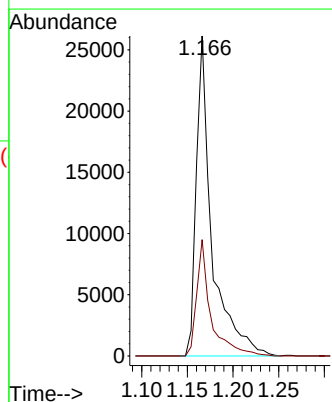
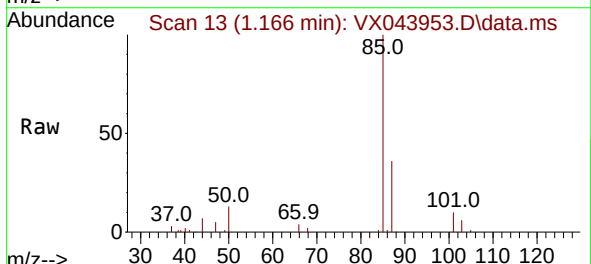
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Tgt Ion:168 Resp: 122957  
Ion Ratio Lower Upper  
168 100  
99 69.1 51.8 77.8

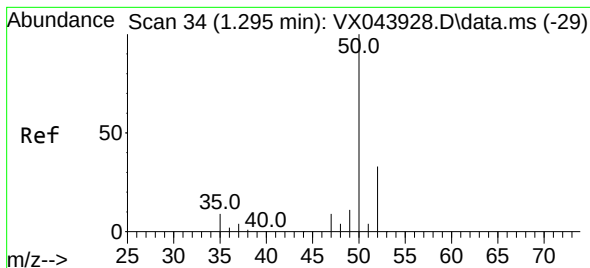


#2  
Dichlorodifluoromethane  
Concen: 19.985 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 85 Resp: 31130  
Ion Ratio Lower Upper  
85 100  
87 36.3 16.6 49.8







#3

Chloromethane

Concen: 20.791 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

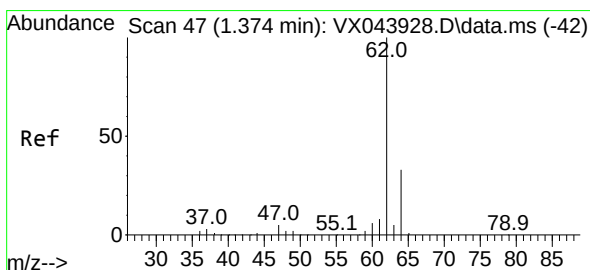
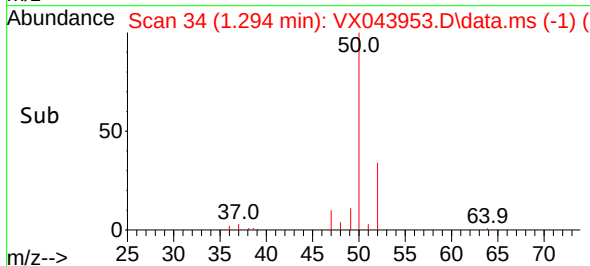
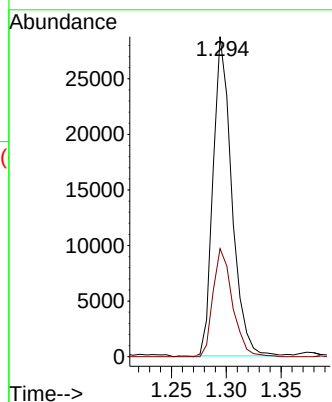
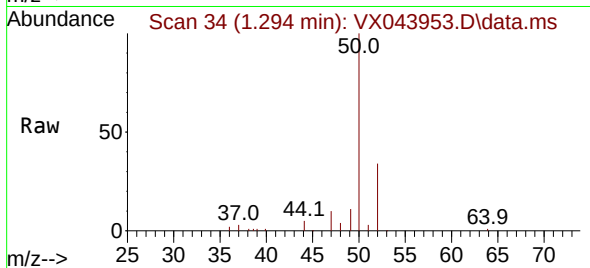
VX1122WBS01

Tgt Ion: 50 Resp: 34079

Ion Ratio Lower Upper

50 100

52 33.8 26.1 39.1



#4

Vinyl Chloride

Concen: 20.809 ug/l

RT: 1.373 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043953.D

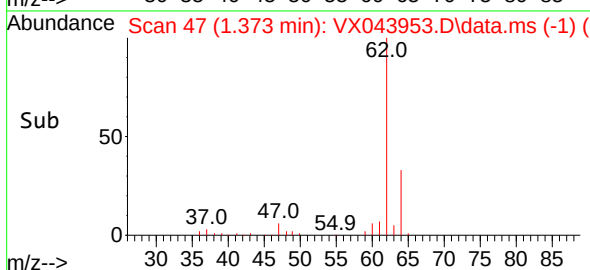
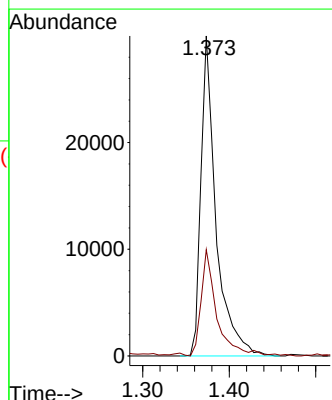
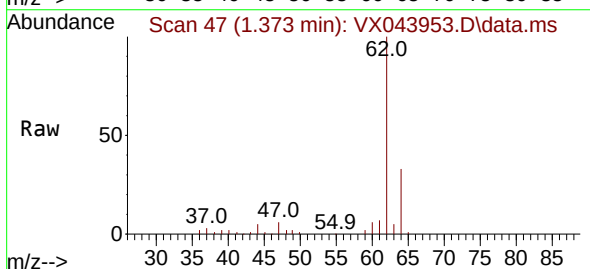
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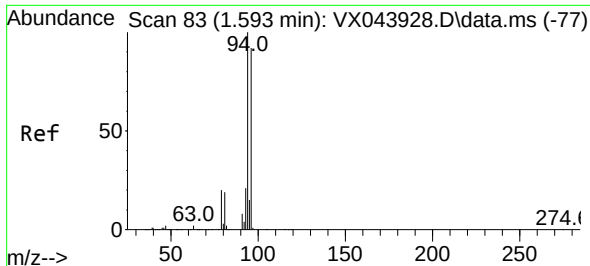
Tgt Ion: 62 Resp: 36280

Ion Ratio Lower Upper

62 100

64 33.0 26.2 39.4

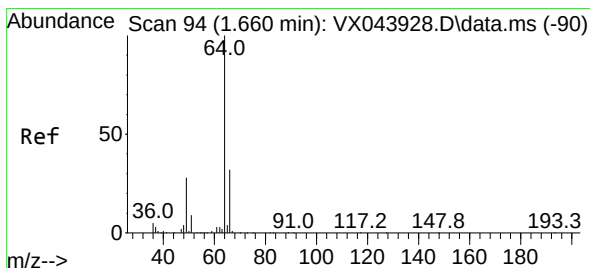
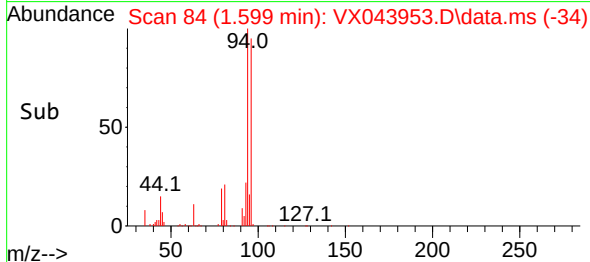
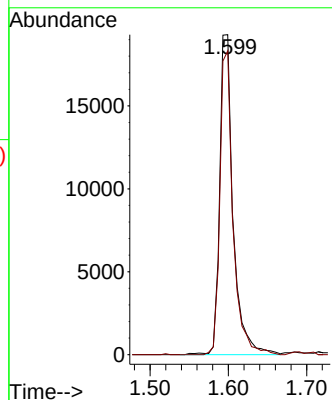
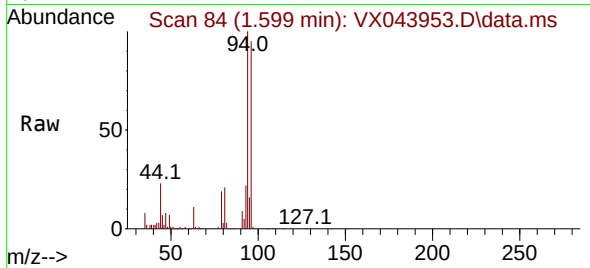




#5  
Bromomethane  
Concen: 21.548 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

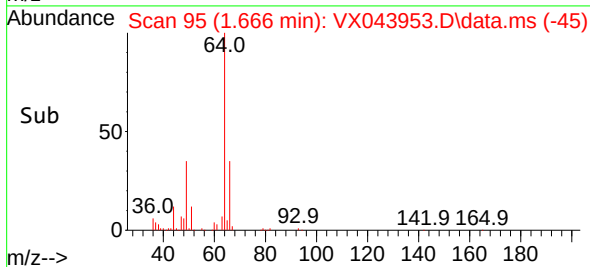
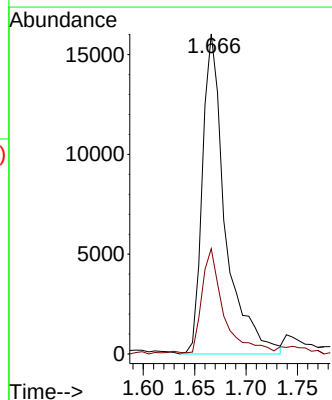
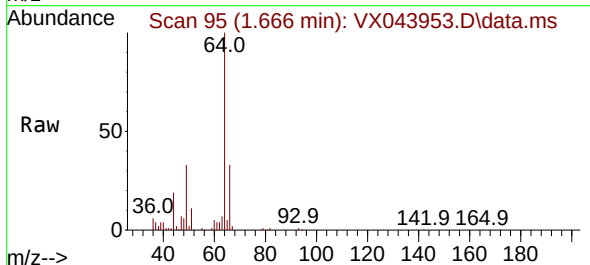
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

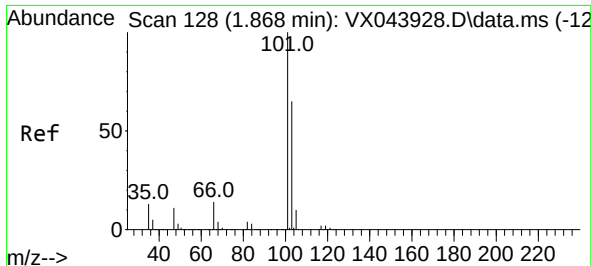
Tgt Ion: 94 Resp: 23111  
Ion Ratio Lower Upper  
94 100  
96 94.9 73.9 110.9



#6  
Chloroethane  
Concen: 23.371 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 64 Resp: 24828  
Ion Ratio Lower Upper  
64 100  
66 32.4 25.9 38.9

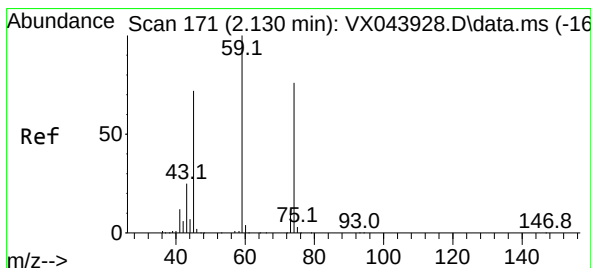
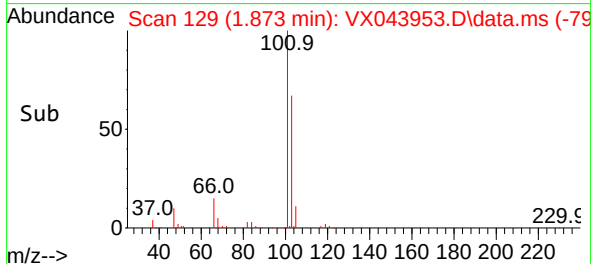
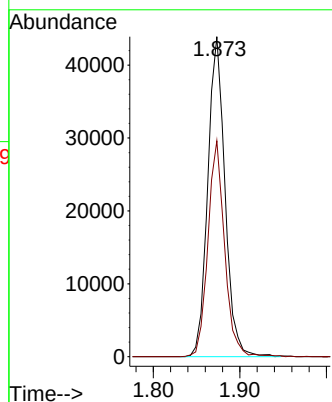
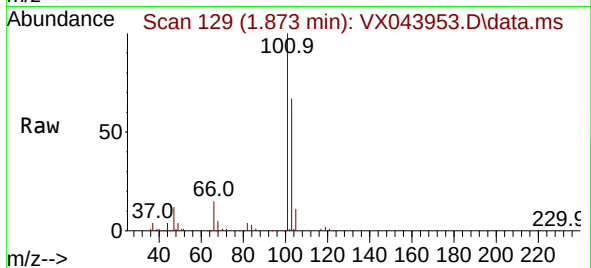




#7  
 Trichlorofluoromethane  
 Concen: 19.455 ug/l  
 RT: 1.873 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

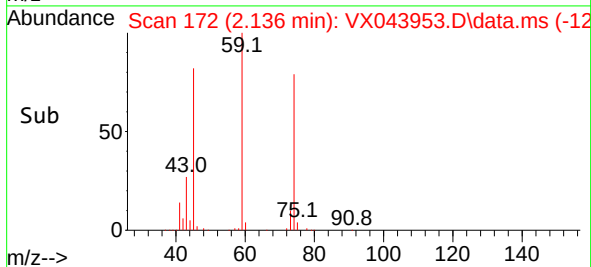
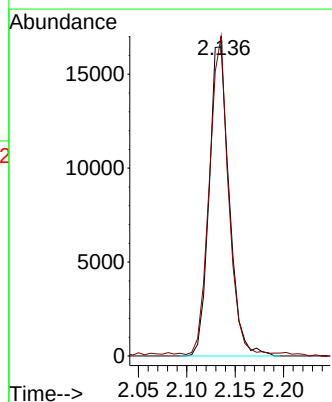
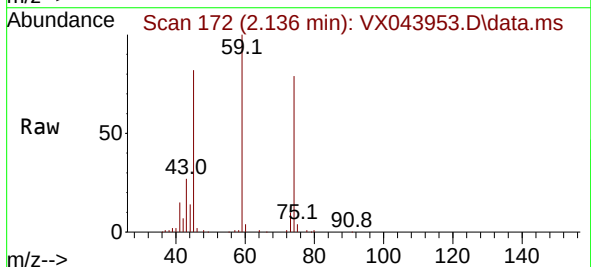
Instrument :  
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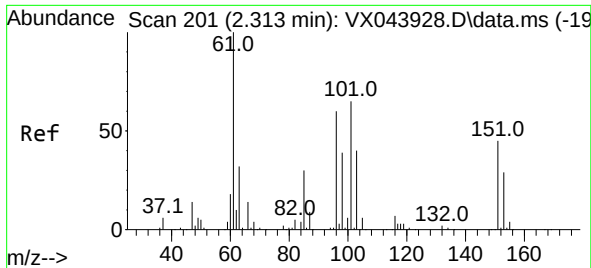
Tgt Ion:101 Resp: 60641  
 Ion Ratio Lower Upper  
 101 100  
 103 67.5 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 21.050 ug/l  
 RT: 2.136 min Scan# 172  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

Tgt Ion: 74 Resp: 23915  
 Ion Ratio Lower Upper  
 74 100  
 45 97.7 47.9 143.6

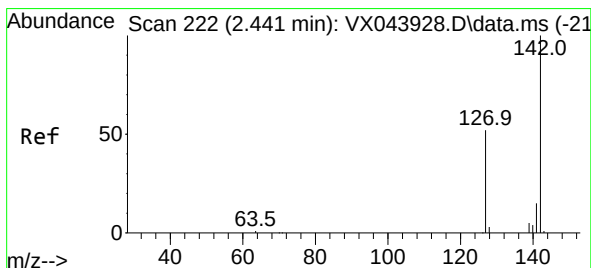
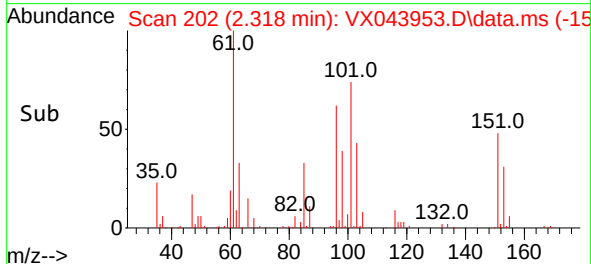
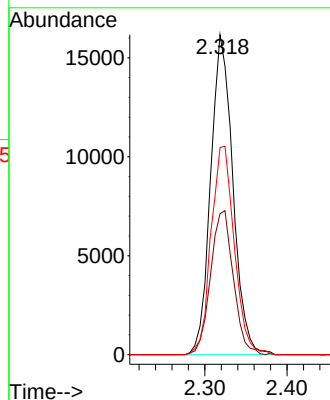
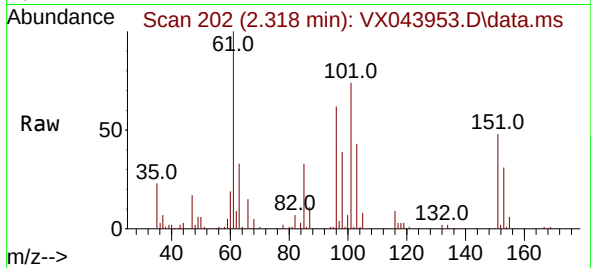




#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 20.414 ug/l  
 RT: 2.318 min Scan# 20  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

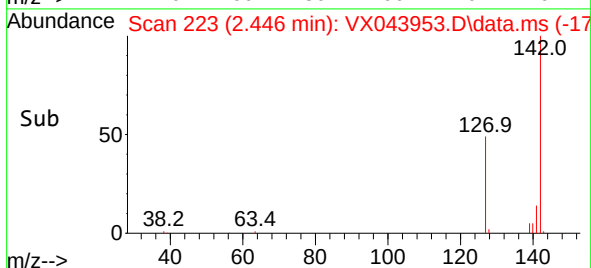
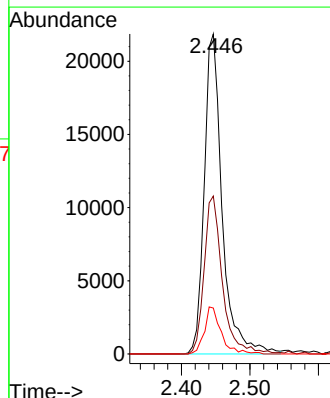
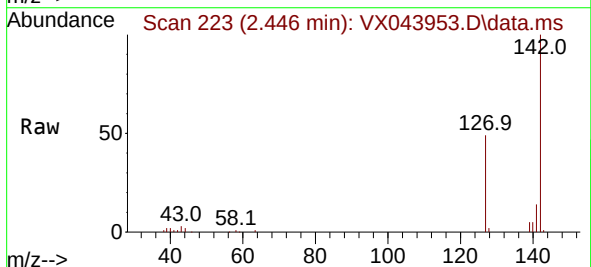
Instrument :  
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 VX1122WBS01

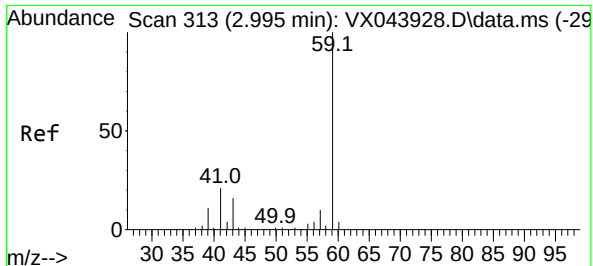
Tgt Ion:101 Resp: 30353  
 Ion Ratio Lower Upper  
 101 100  
 85 46.1 37.9 56.9  
 151 68.2 57.5 86.3



#10  
 Methyl Iodide  
 Concen: 21.427 ug/l  
 RT: 2.446 min Scan# 223  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

Tgt Ion:142 Resp: 39789  
 Ion Ratio Lower Upper  
 142 100  
 127 50.4 40.7 61.1  
 141 13.8 12.0 18.0

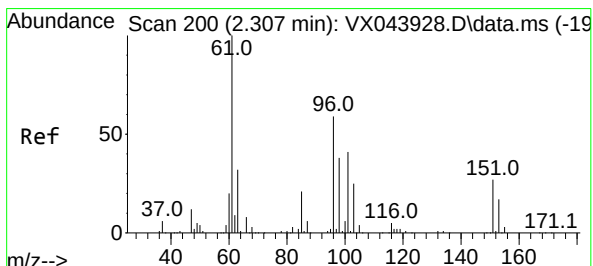
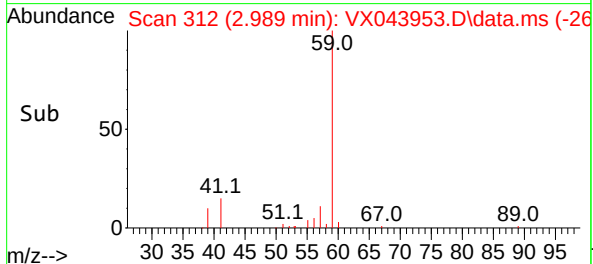
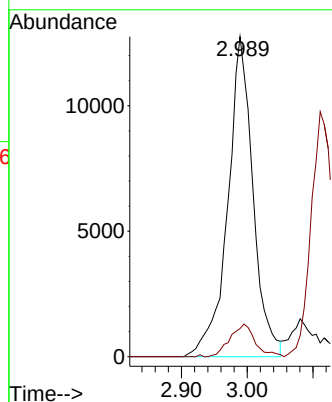
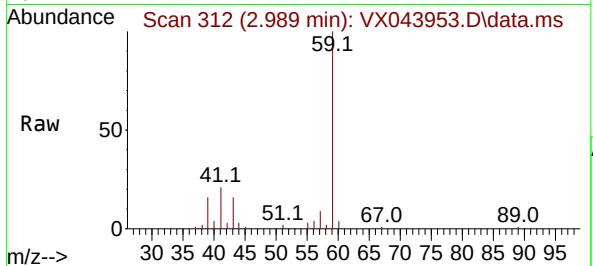




#11  
Tert butyl alcohol  
Concen: 100.588 ug/l  
RT: 2.989 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

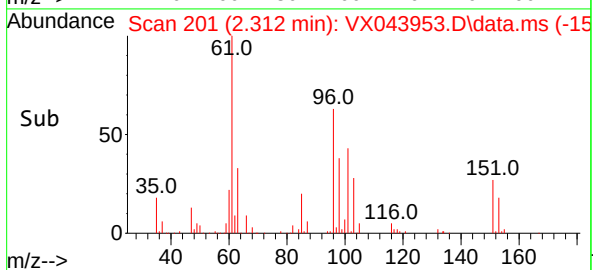
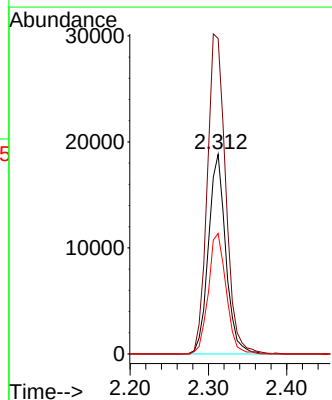
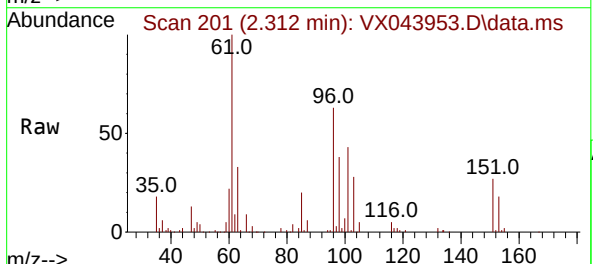
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

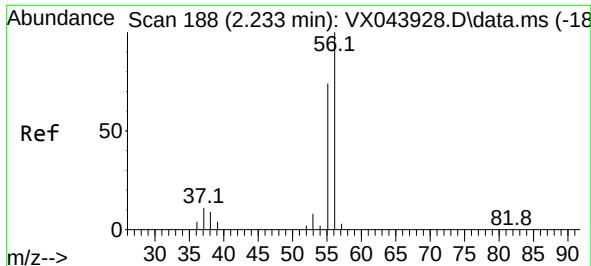
Tgt Ion: 59 Resp: 34049  
Ion Ratio Lower Upper  
59 100  
57 10.1 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 20.417 ug/l  
RT: 2.312 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 96 Resp: 28927  
Ion Ratio Lower Upper  
96 100  
61 158.0 135.5 203.3  
98 60.3 50.8 76.2

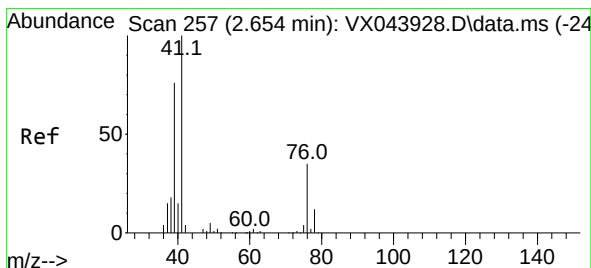
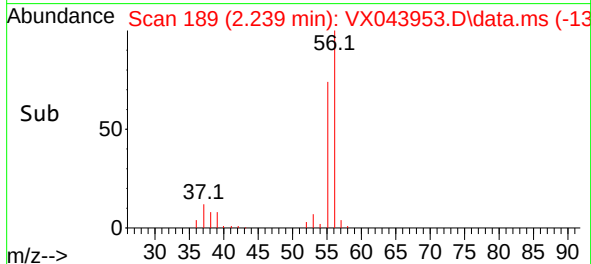
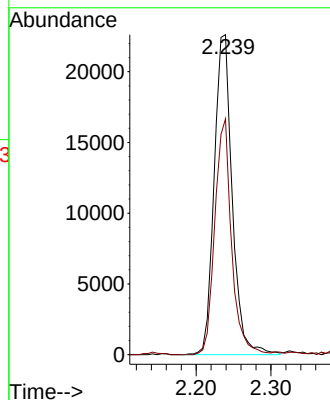
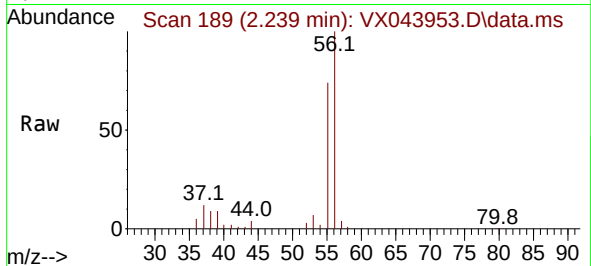




#13  
Acrolein  
Concen: 106.330 ug/l  
RT: 2.239 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

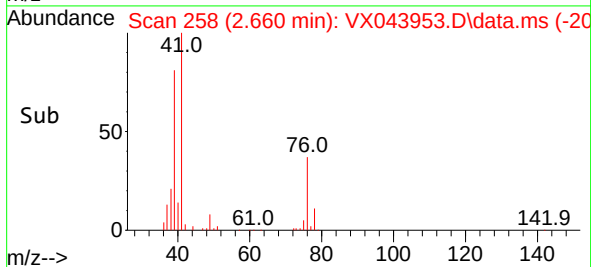
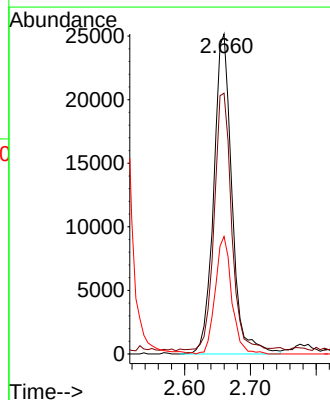
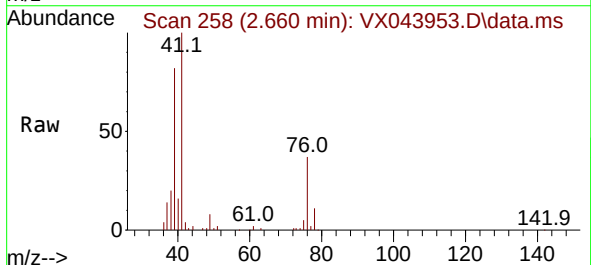
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

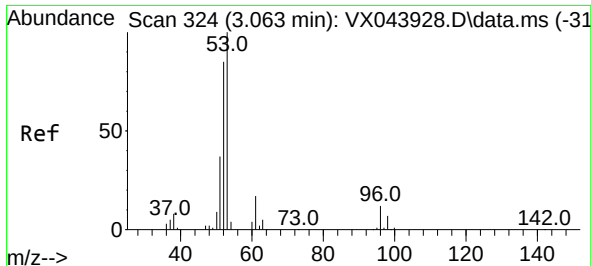
Tgt Ion: 56 Resp: 37938  
Ion Ratio Lower Upper  
56 100  
55 68.4 58.2 87.2



#14  
Allyl chloride  
Concen: 21.009 ug/l  
RT: 2.660 min Scan# 258  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 48638  
Ion Ratio Lower Upper  
41 100  
39 77.4 59.5 89.3  
76 33.1 27.4 41.2

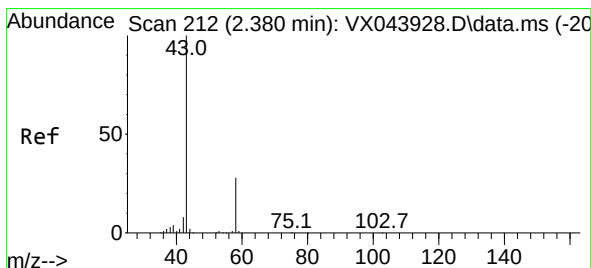
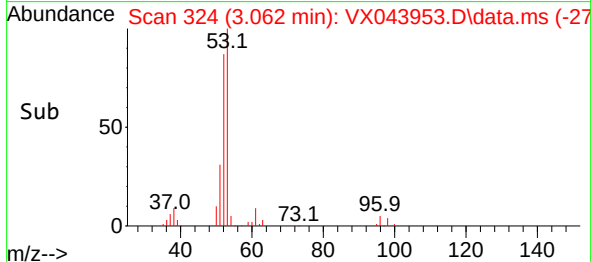
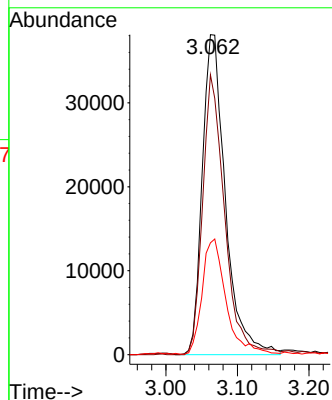
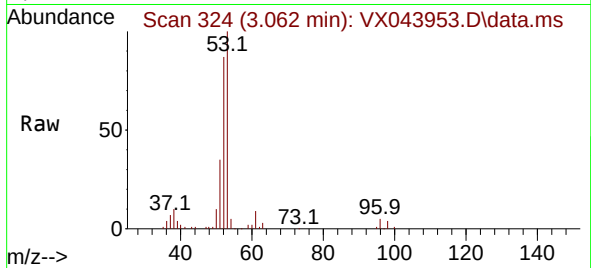




#15  
Acrylonitrile  
Concen: 103.970 ug/l  
RT: 3.062 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

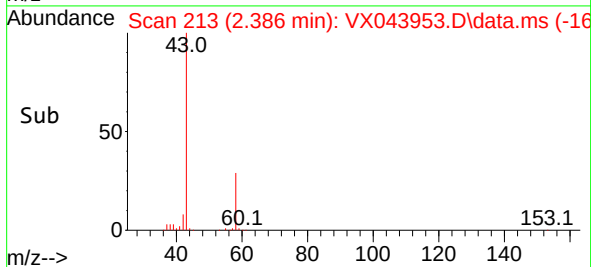
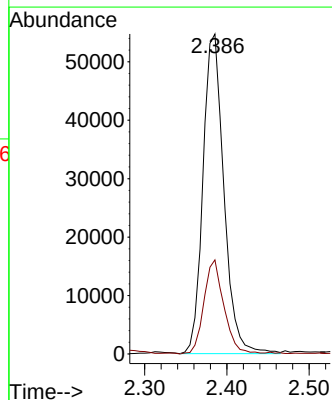
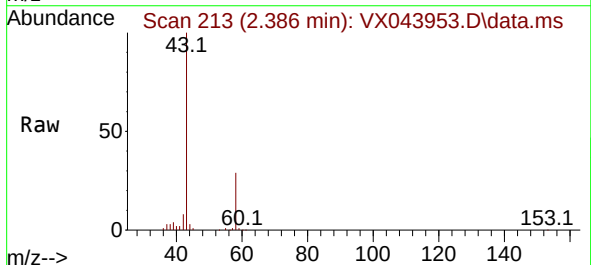
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

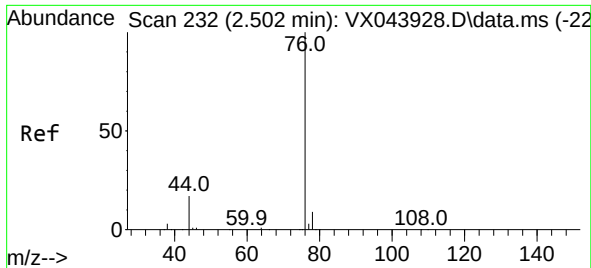
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 53    | Resp: | 85765 |
| Ion      | Ratio | Lower | Upper |
| 53       | 100   |       |       |
| 52       | 83.4  | 66.5  | 99.7  |
| 51       | 36.9  | 30.2  | 45.4  |



#16  
Acetone  
Concen: 99.942 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 96805 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 29.4  | 22.7  | 34.1  |





#17

Carbon Disulfide

Concen: 17.041 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

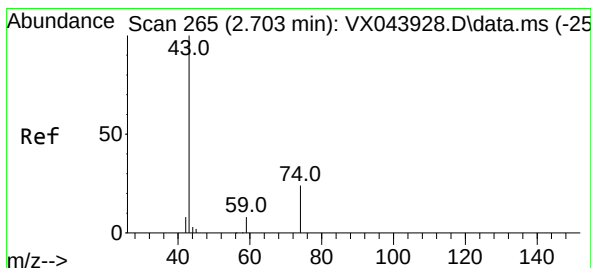
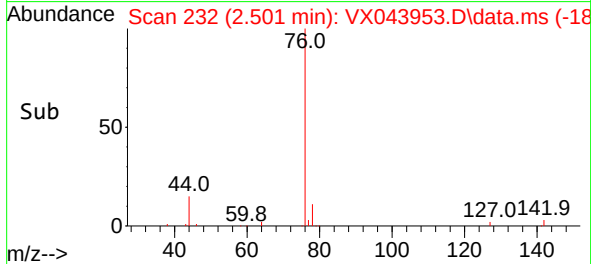
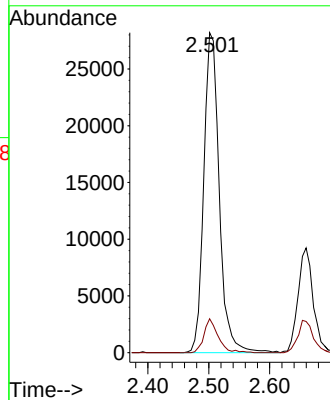
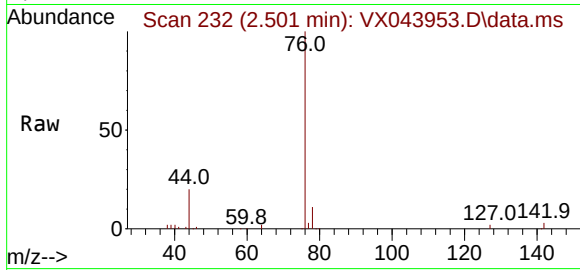
VX1122WBS01

Tgt Ion: 76 Resp: 49804

Ion Ratio Lower Upper

76 100

78 10.6 7.0 10.6#



#18

Methyl Acetate

Concen: 20.512 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX043953.D

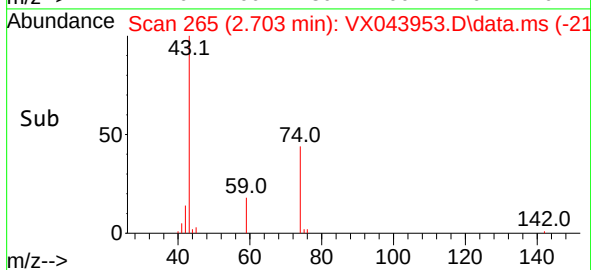
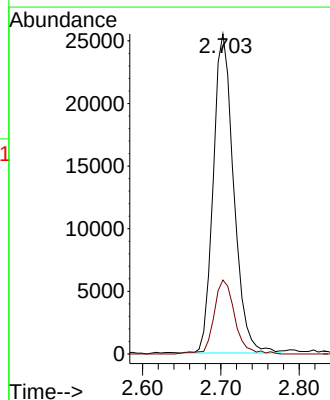
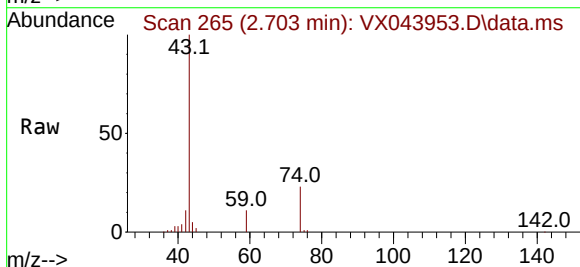
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 46269

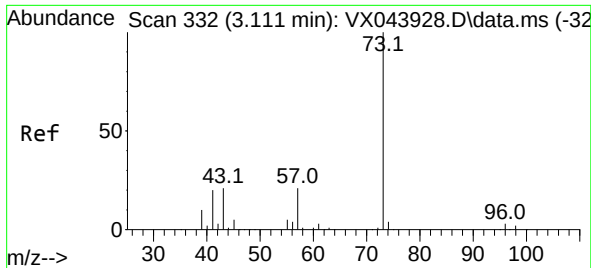
Ion Ratio Lower Upper

43 100

74 23.5 18.9 28.3



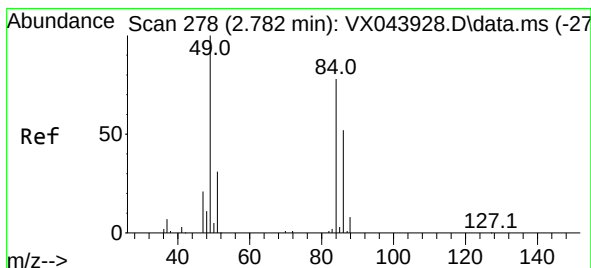
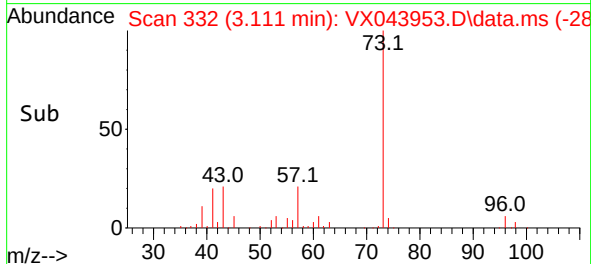
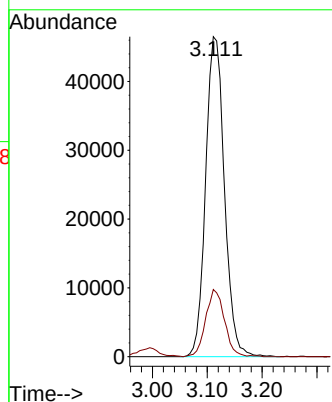
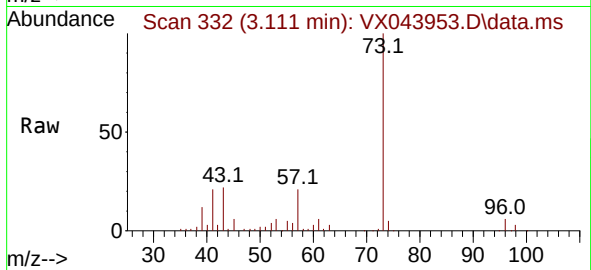




#19  
Methyl tert-butyl Ether  
Concen: 21.507 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

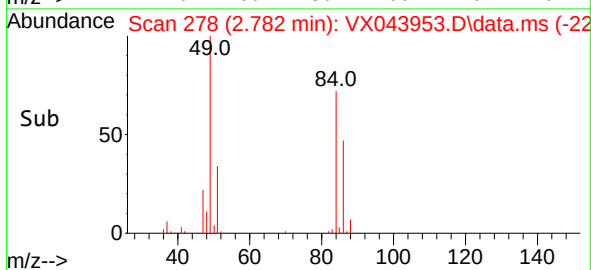
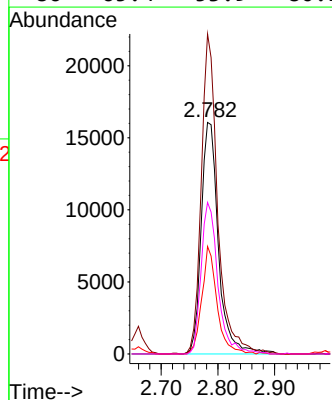
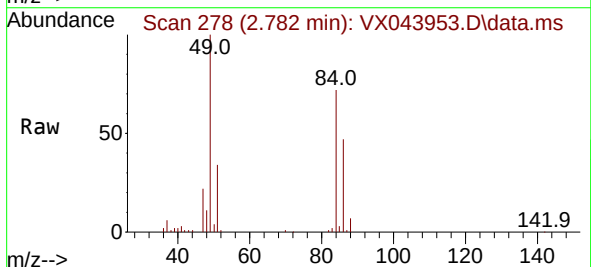
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

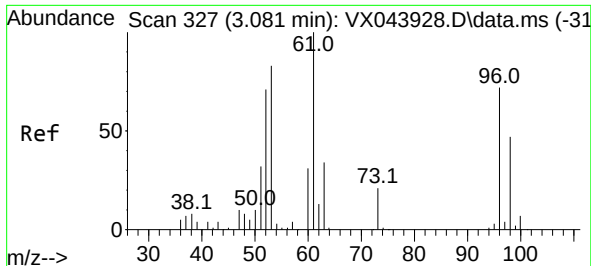
Tgt Ion: 73 Resp: 110640  
Ion Ratio Lower Upper  
73 100  
57 21.0 17.0 25.6



#20  
Methylene Chloride  
Concen: 20.728 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 84 Resp: 34071  
Ion Ratio Lower Upper  
84 100  
49 138.2 102.7 154.1  
51 46.5 31.7 47.5  
86 65.4 53.9 80.9

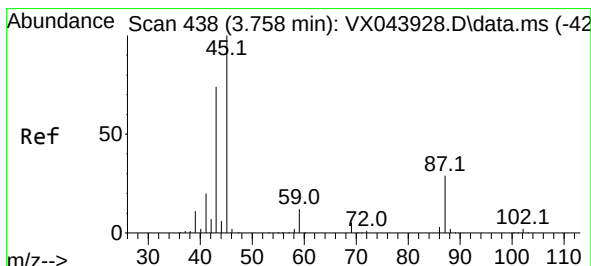
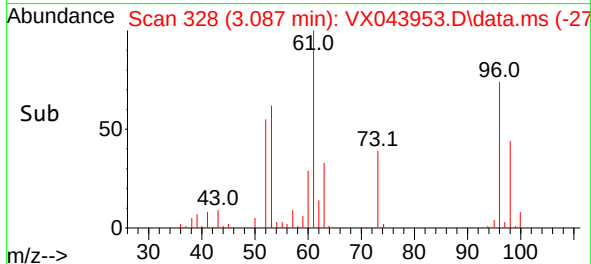
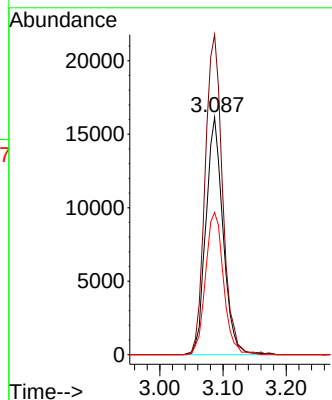
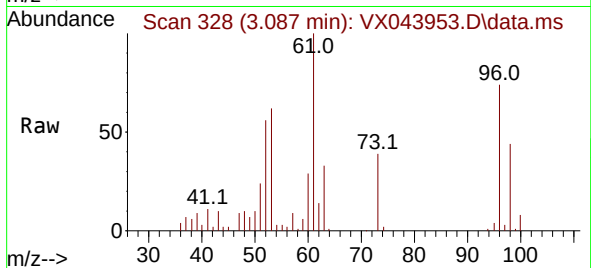




#21  
trans-1,2-Dichloroethene  
Concen: 20.871 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

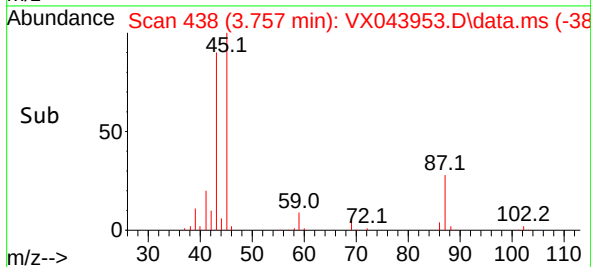
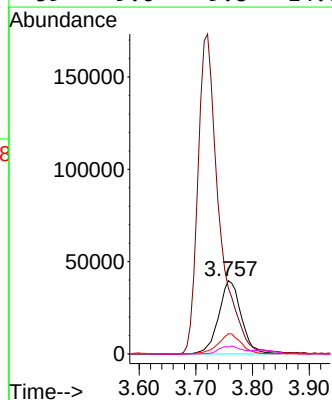
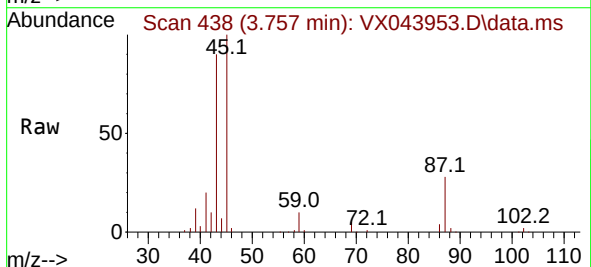
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

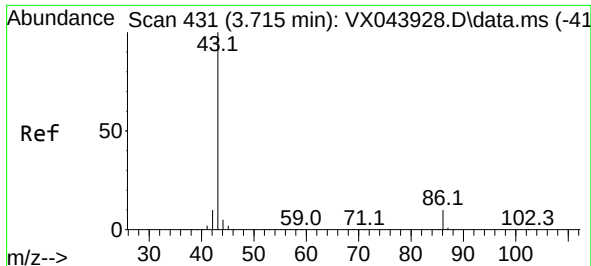
Tgt Ion: 96 Resp: 30530  
Ion Ratio Lower Upper  
96 100  
61 134.8 111.8 167.6  
98 59.9 52.7 79.1



#22  
Diisopropyl ether  
Concen: 22.124 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 45 Resp: 109520  
Ion Ratio Lower Upper  
45 100  
43 89.8 59.6 89.4#  
87 27.5 22.9 34.3  
59 9.6 9.8 14.6#

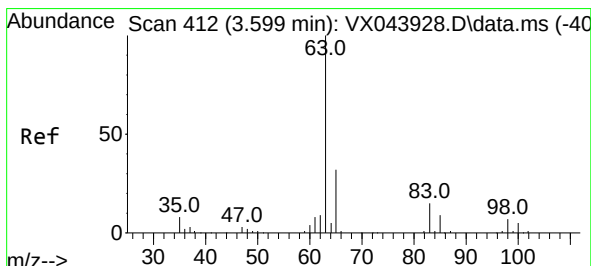
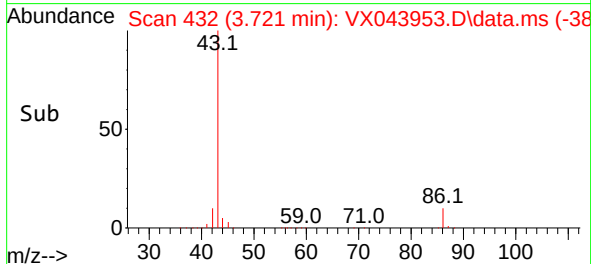
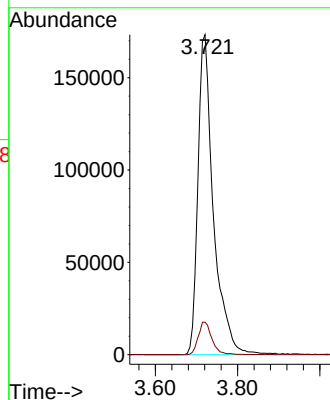
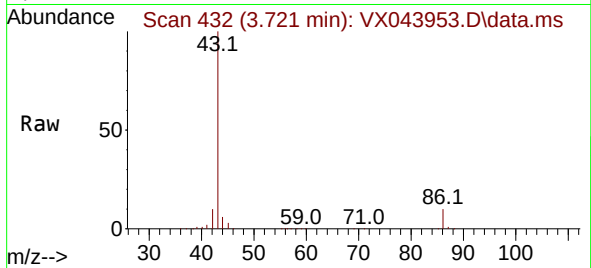




#23  
 Vinyl Acetate  
 Concen: 107.047 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

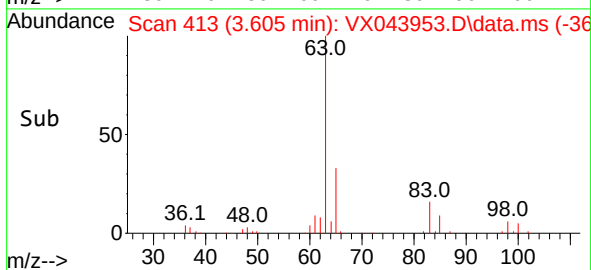
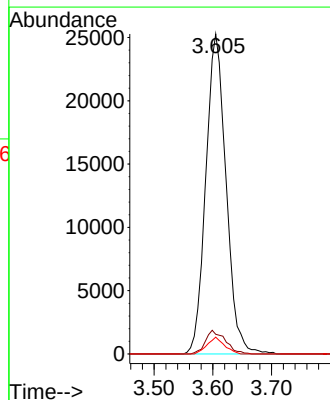
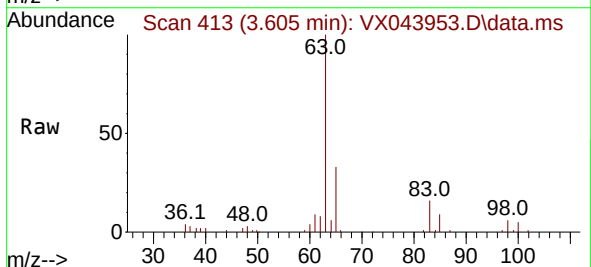
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBS01

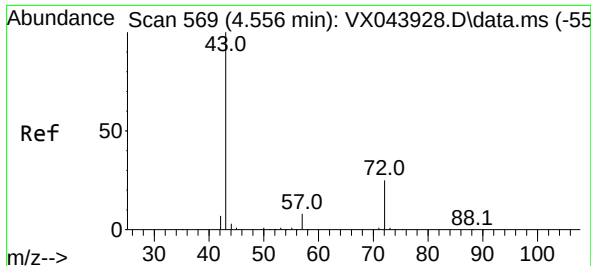
Tgt Ion: 43 Resp: 453316  
 Ion Ratio Lower Upper  
 43 100  
 86 10.1 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 21.241 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

Tgt Ion: 63 Resp: 60662  
 Ion Ratio Lower Upper  
 63 100  
 98 6.2 3.5 10.6  
 100 5.2 2.4 7.1

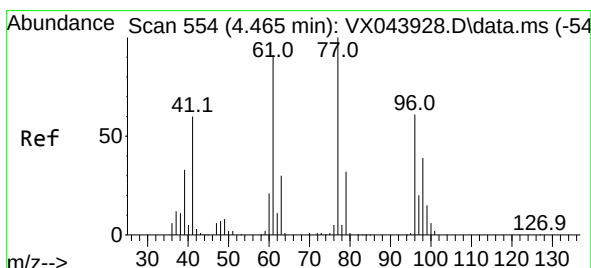
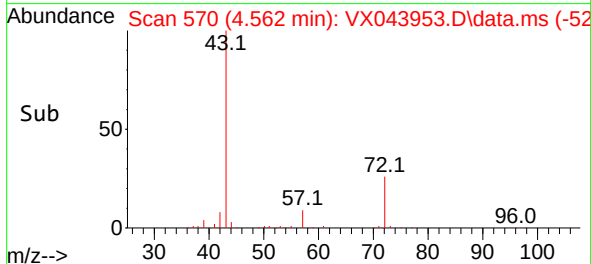
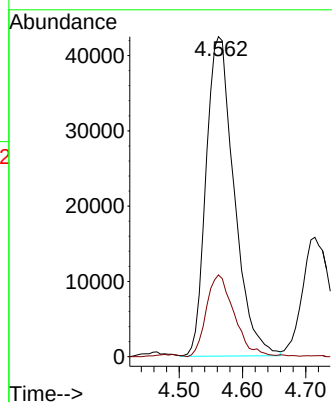
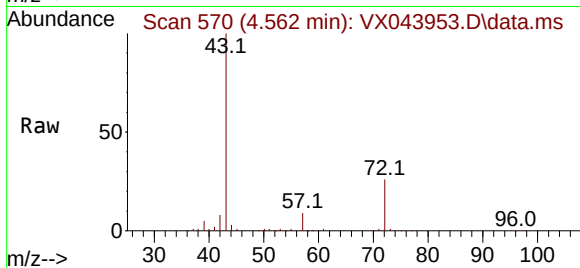




#25  
2-Butanone  
Concen: 104.675 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

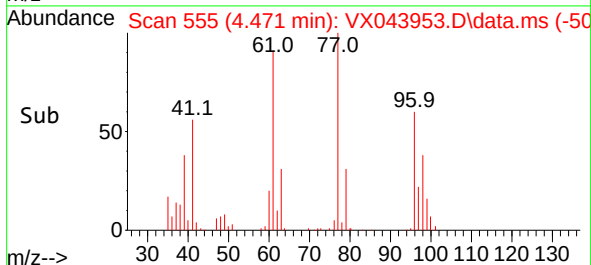
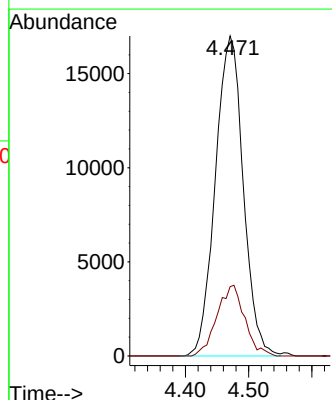
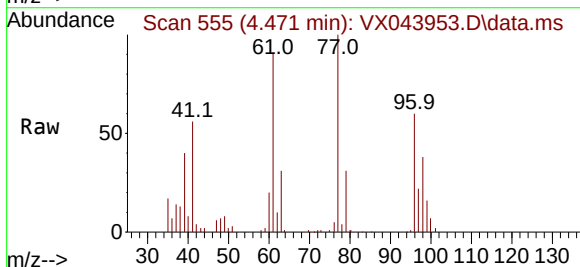
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

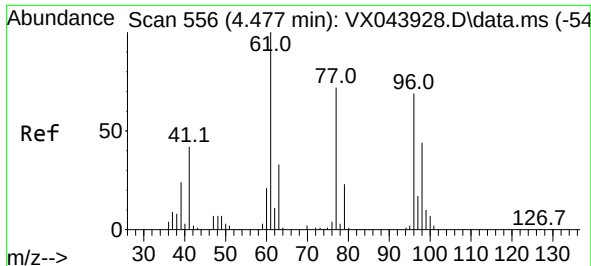
Tgt Ion: 43 Resp: 130824  
Ion Ratio Lower Upper  
43 100  
72 25.3 20.2 30.2



#26  
2,2-Dichloropropane  
Concen: 20.178 ug/l  
RT: 4.471 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 77 Resp: 52043  
Ion Ratio Lower Upper  
77 100  
97 22.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 20.783 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

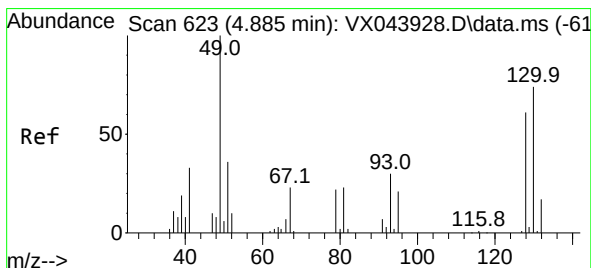
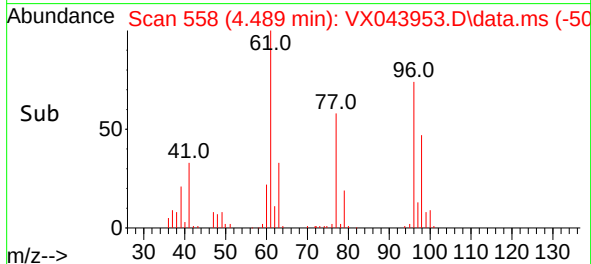
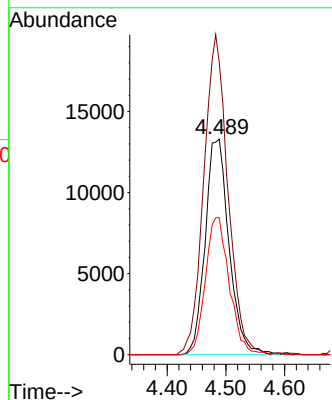
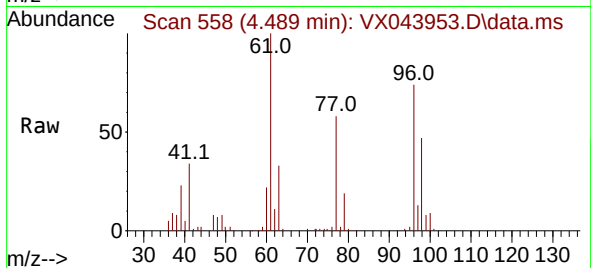
Tgt Ion: 96 Resp: 37579

Ion Ratio Lower Upper

96 100

61 149.8 0.0 297.4

98 63.7 0.0 127.8



#28

Bromochloromethane

Concen: 19.846 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

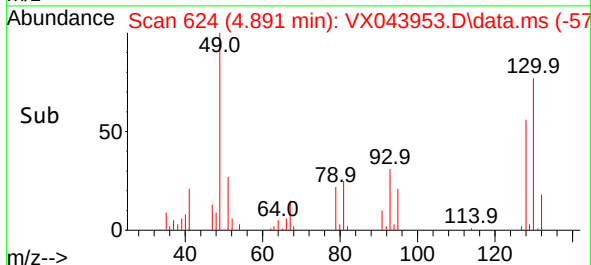
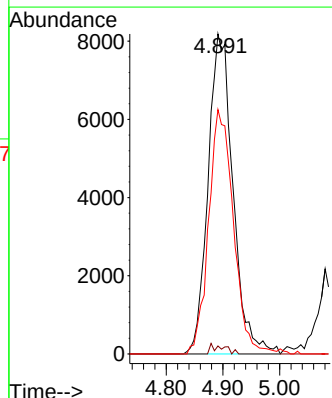
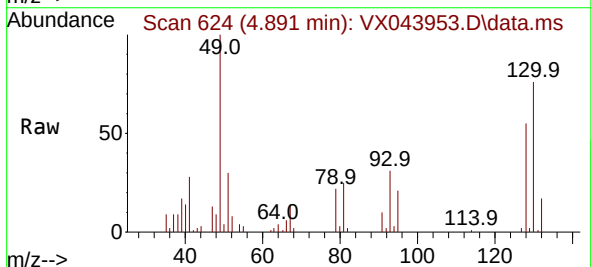
Tgt Ion: 49 Resp: 24947

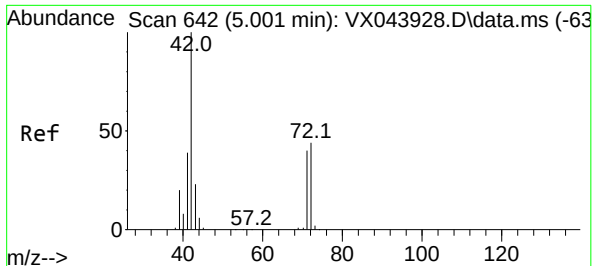
Ion Ratio Lower Upper

49 100

129 0.5 0.0 4.0

130 76.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 103.164 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

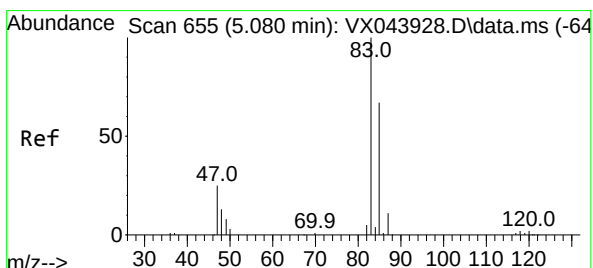
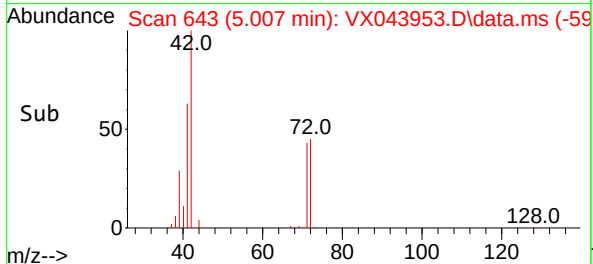
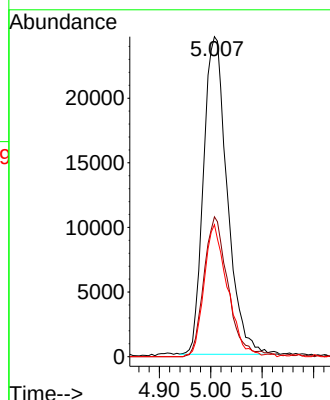
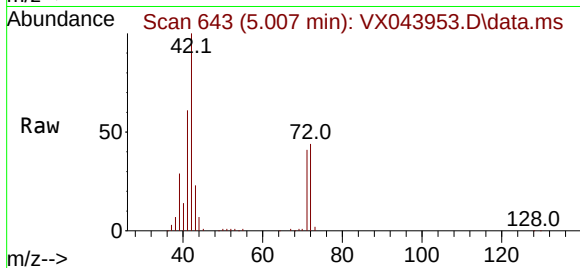
Tgt Ion: 42 Resp: 79046

Ion Ratio Lower Upper

42 100

72 44.8 36.4 54.6

71 40.9 33.4 50.0



#30

Chloroform

Concen: 21.602 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043953.D

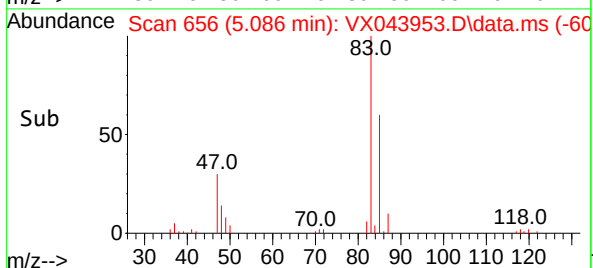
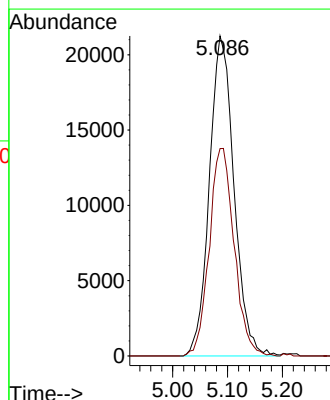
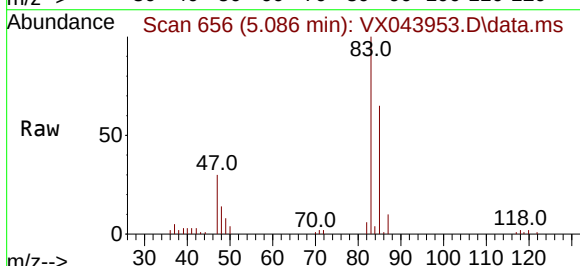
Acq: 22 Nov 2024 12:36

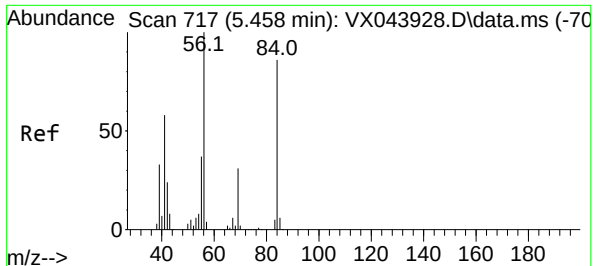
Tgt Ion: 83 Resp: 66350

Ion Ratio Lower Upper

83 100

85 64.8 53.5 80.3

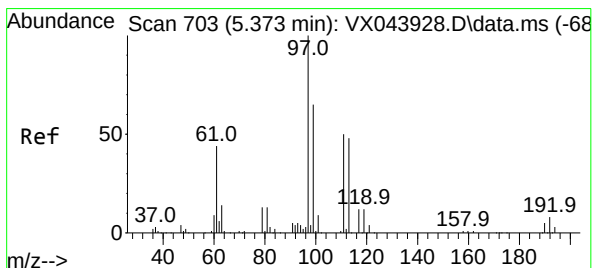
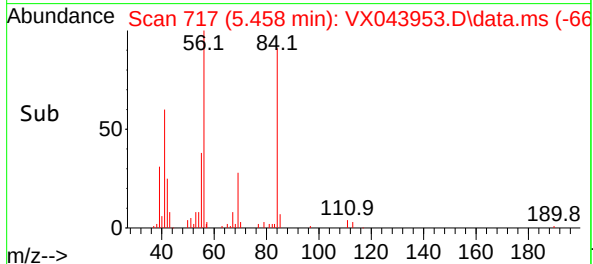
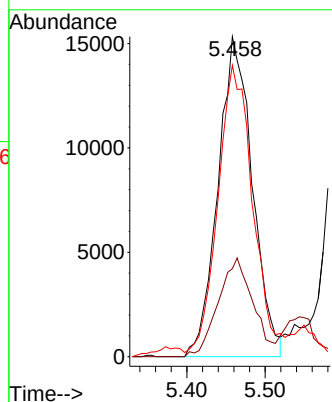
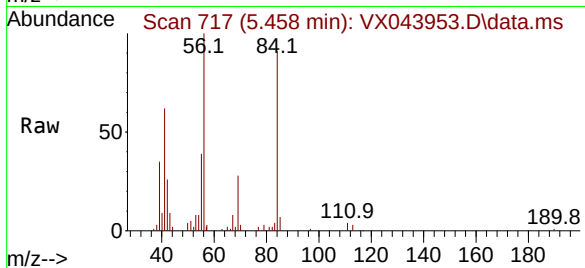




#31  
Cyclohexane  
Concen: 19.867 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

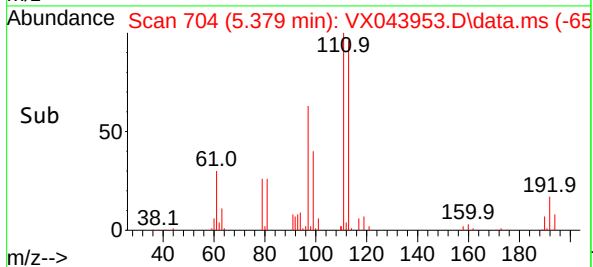
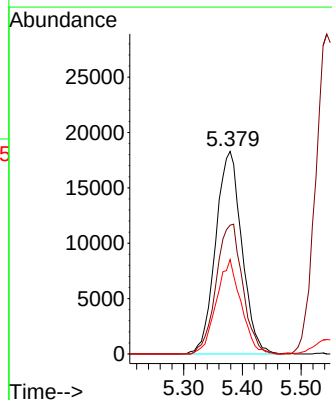
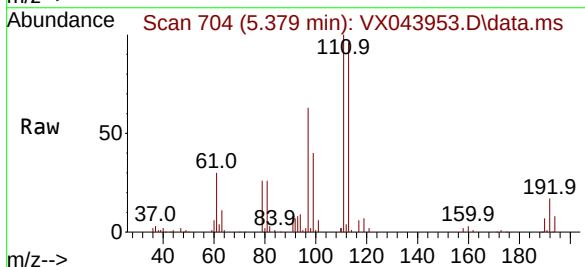
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

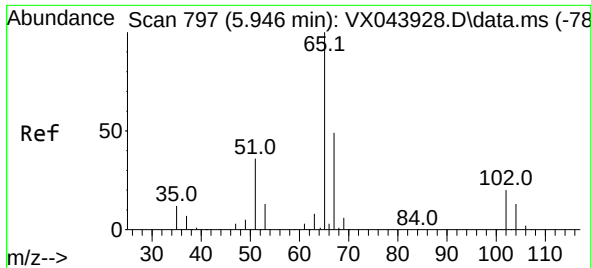
Tgt Ion: 56 Resp: 46697  
Ion Ratio Lower Upper  
56 100  
69 27.5 24.7 37.1  
84 88.5 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 21.390 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 97 Resp: 56657  
Ion Ratio Lower Upper  
97 100  
99 64.8 50.8 76.2  
61 43.9 35.4 53.2

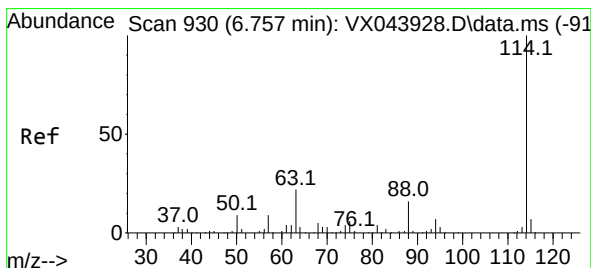
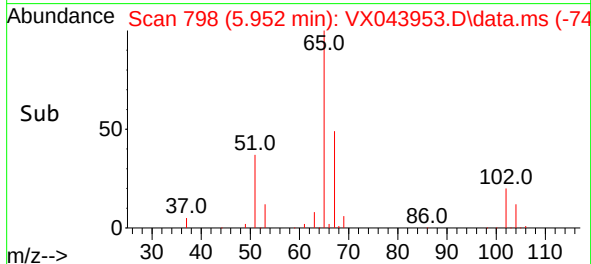
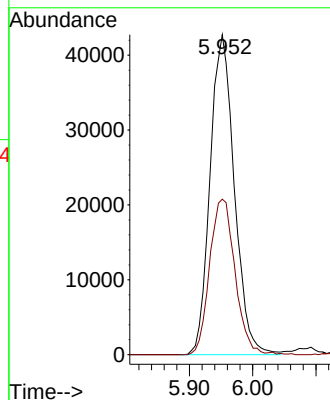
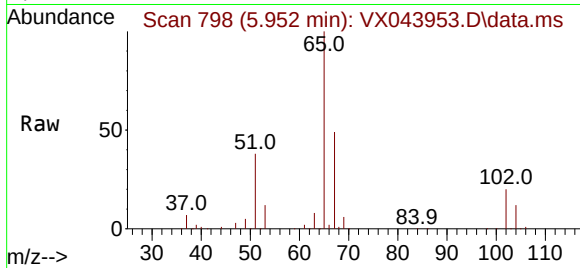




#33  
 1,2-Dichloroethane-d4  
 Concen: 53.986 ug/l  
 RT: 5.952 min Scan# 797  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

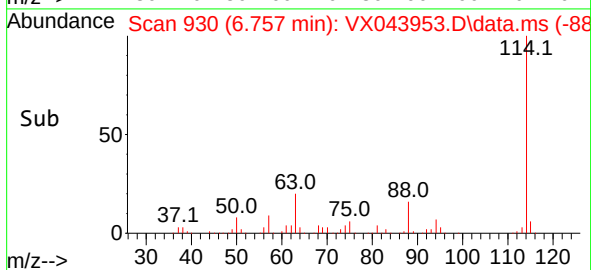
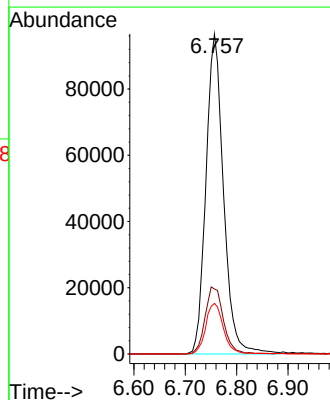
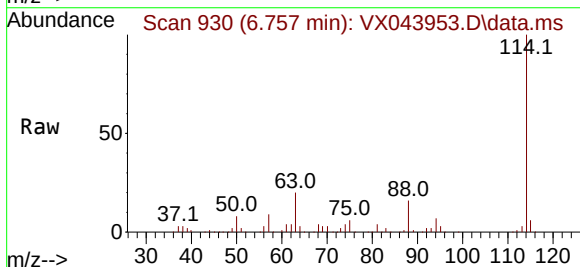
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBS01

Tgt Ion: 65 Resp: 113852  
 Ion Ratio Lower Upper  
 65 100  
 67 50.9 0.0 100.8

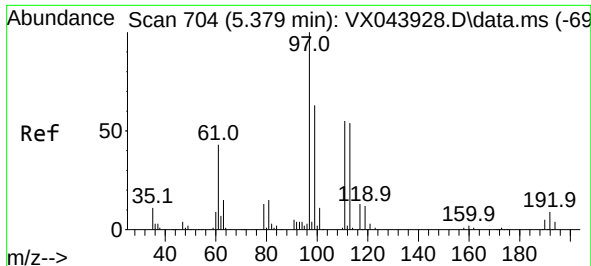


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

Tgt Ion: 114 Resp: 229417  
 Ion Ratio Lower Upper  
 114 100  
 63 20.3 0.0 44.0  
 88 15.8 0.0 32.4



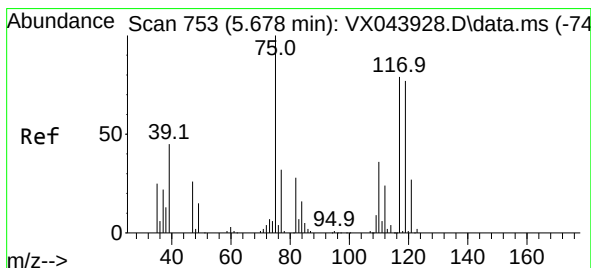
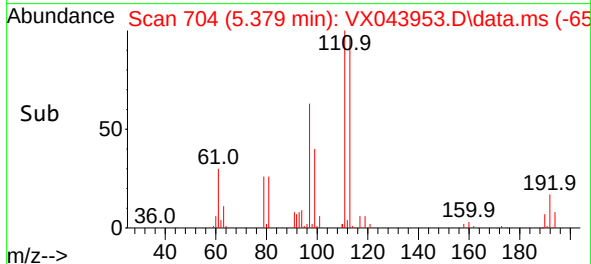
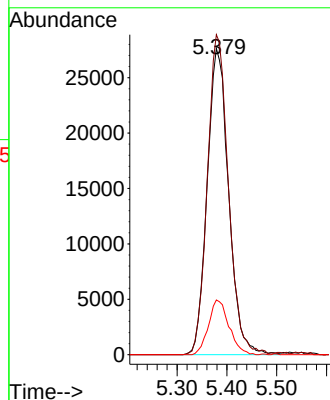
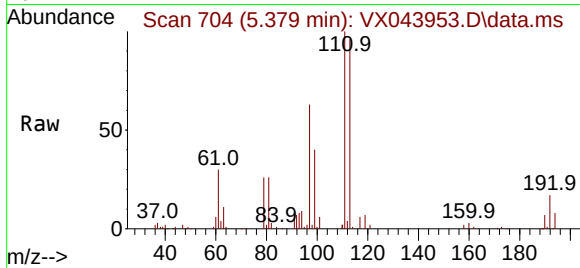




#35  
Dibromofluoromethane  
Concen: 50.452 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

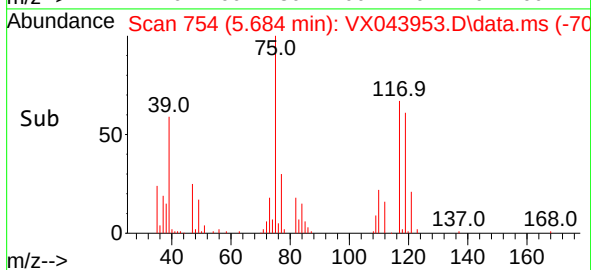
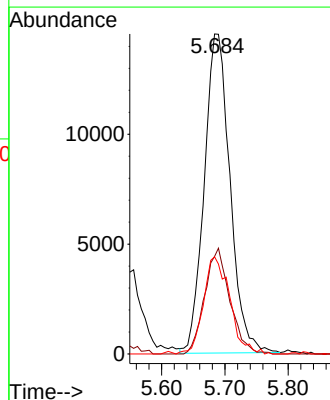
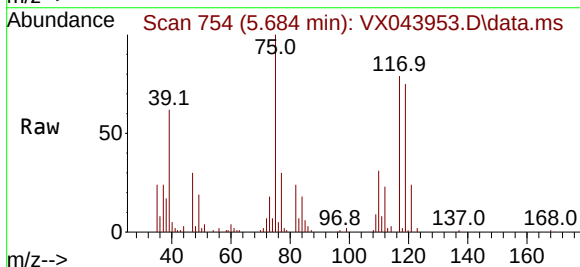
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

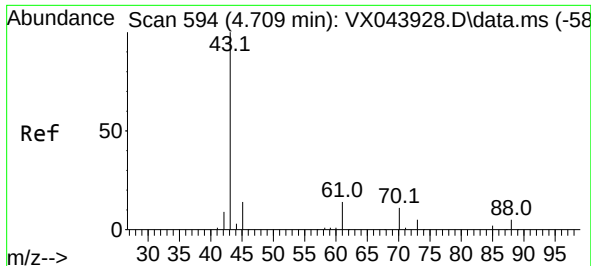
Tgt Ion:113 Resp: 82706  
Ion Ratio Lower Upper  
113 100  
111 102.6 81.0 121.4  
192 17.0 13.0 19.6



#36  
1,1-Dichloropropene  
Concen: 20.185 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 41234  
Ion Ratio Lower Upper  
75 100  
110 32.4 17.4 52.2  
77 31.0 25.8 38.8





#37

Ethyl Acetate

Concen: 19.620 ug/l

RT: 4.714 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

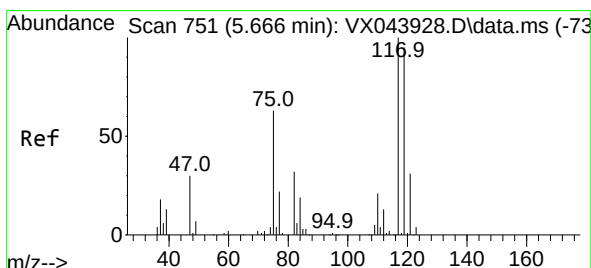
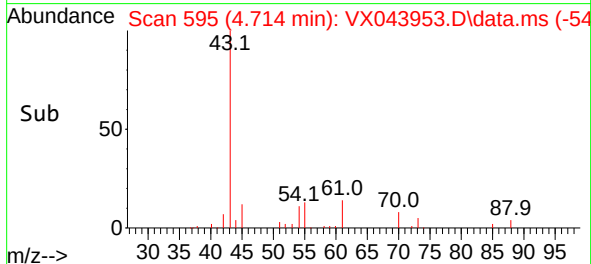
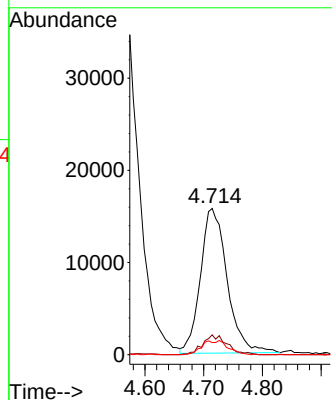
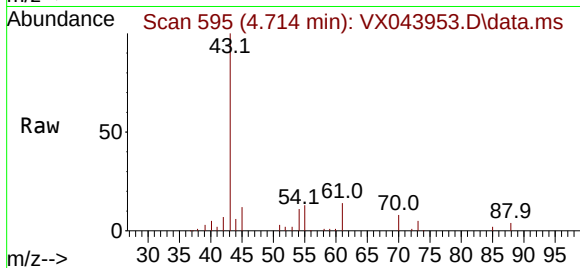
Tgt Ion: 43 Resp: 49752

Ion Ratio Lower Upper

43 100

61 12.4 10.7 16.1

70 4.4 8.0 12.0#



#38

Carbon Tetrachloride

Concen: 18.875 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

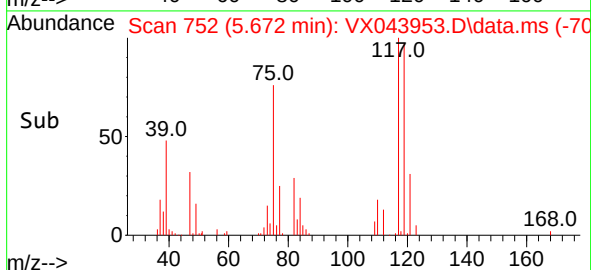
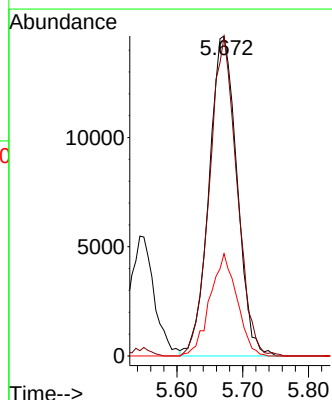
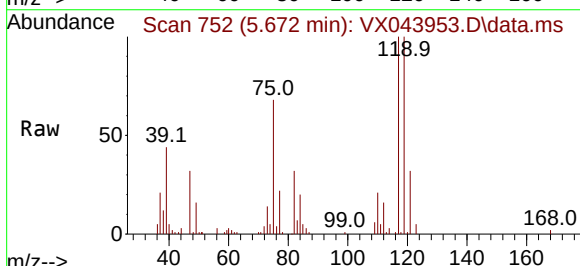
Tgt Ion: 117 Resp: 43324

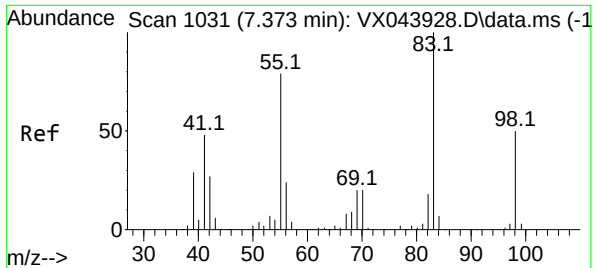
Ion Ratio Lower Upper

117 100

119 99.7 75.2 112.8

121 32.0 24.5 36.7

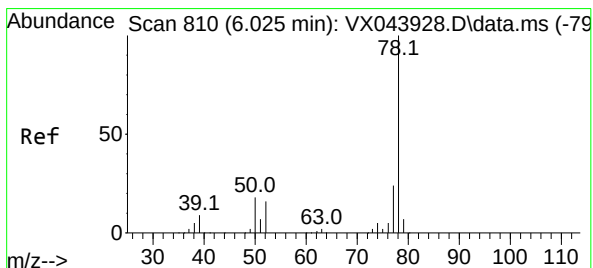
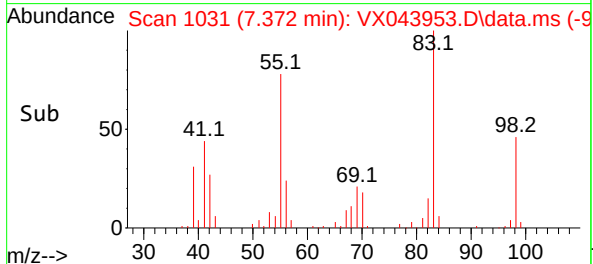
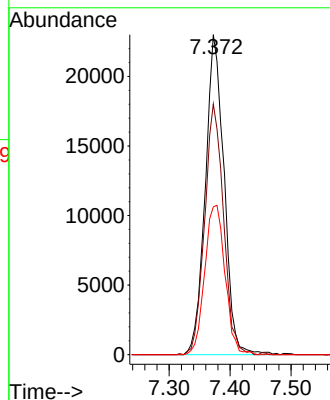
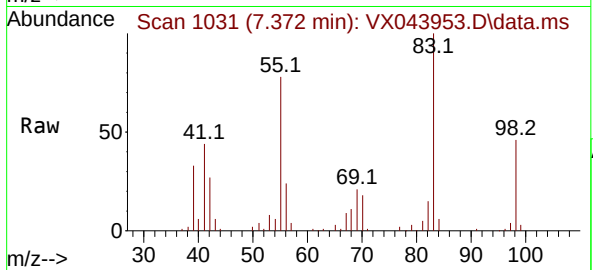




#39  
Methylcyclohexane  
Concen: 18.550 ug/l  
RT: 7.372 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

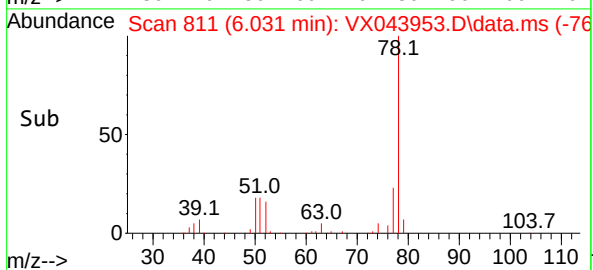
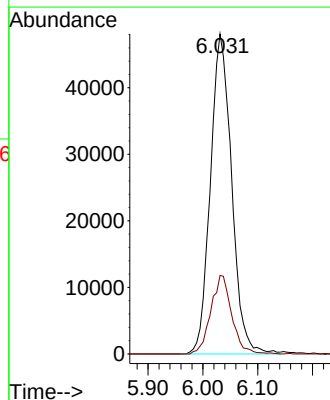
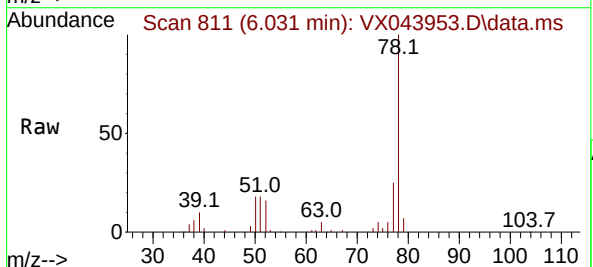
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

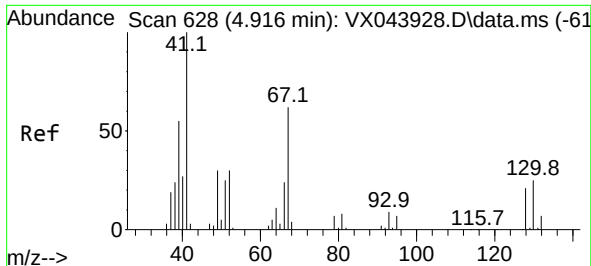
Tgt Ion: 83 Resp: 49229  
Ion Ratio Lower Upper  
83 100  
55 78.4 63.1 94.7  
98 46.2 40.0 60.0



#40  
Benzene  
Concen: 20.319 ug/l  
RT: 6.031 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 78 Resp: 129291  
Ion Ratio Lower Upper  
78 100  
77 24.6 19.2 28.8

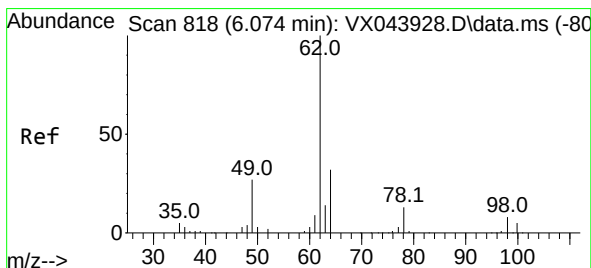
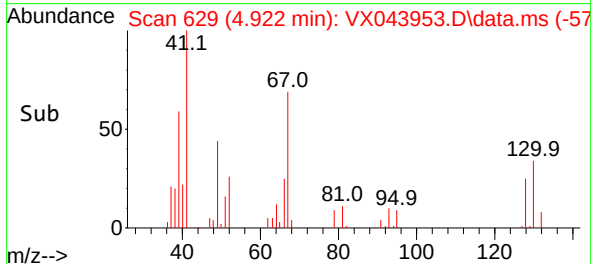
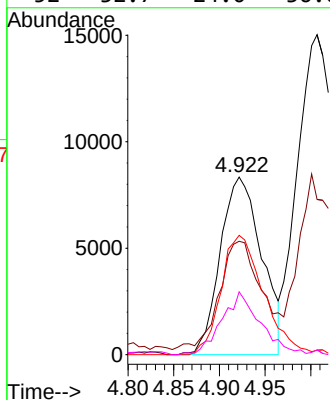
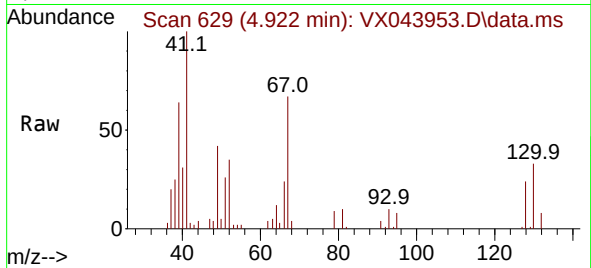




#41  
Methacrylonitrile  
Concen: 20.295 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

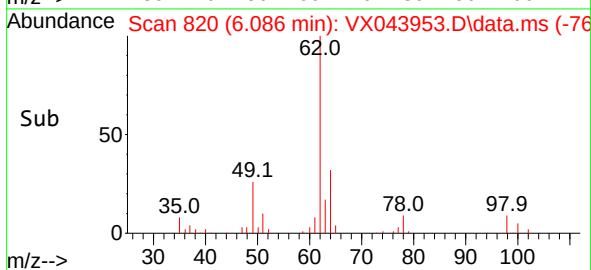
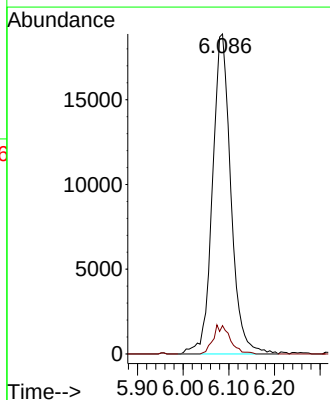
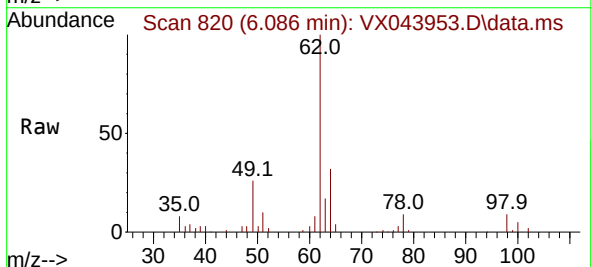
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

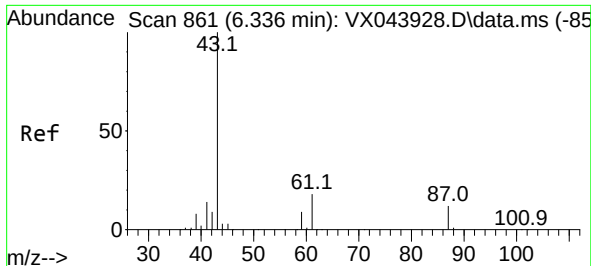
|             |                 |
|-------------|-----------------|
| Tgt Ion: 41 | Resp: 26340     |
| Ion Ratio   | Lower Upper     |
| 41          | 100             |
| 39          | 63.4 41.7 62.5# |
| 67          | 69.9 55.8 83.8  |
| 52          | 32.7 24.0 36.0  |



#42  
1,2-Dichloroethane  
Concen: 20.702 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.012 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

|             |              |
|-------------|--------------|
| Tgt Ion: 62 | Resp: 52905  |
| Ion Ratio   | Lower Upper  |
| 62          | 100          |
| 98          | 8.4 0.0 16.4 |





#43

Isopropyl Acetate

Concen: 20.264 ug/l

RT: 6.342 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

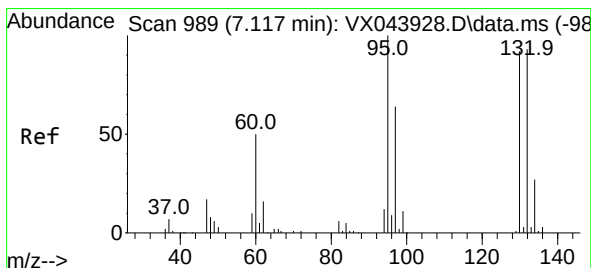
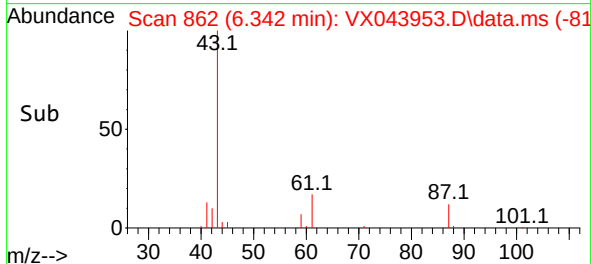
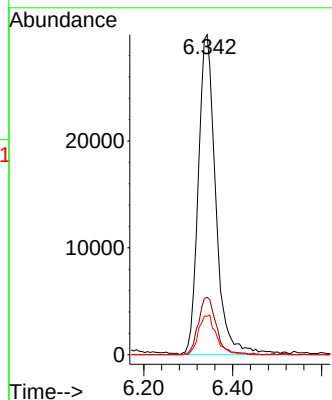
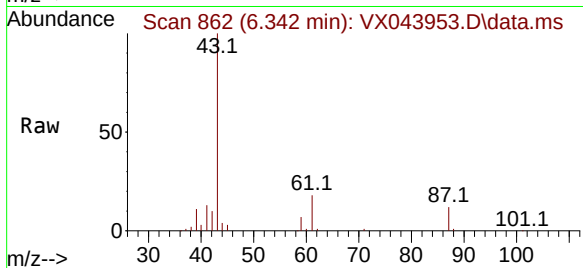
Tgt Ion: 43 Resp: 81776

Ion Ratio Lower Upper

43 100

61 18.4 14.5 21.7

87 12.7 10.2 15.2



#44

Trichloroethene

Concen: 16.978 ug/l

RT: 7.122 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043953.D

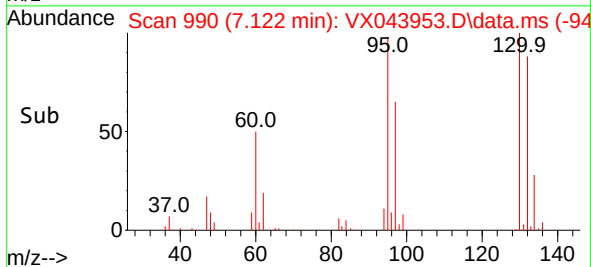
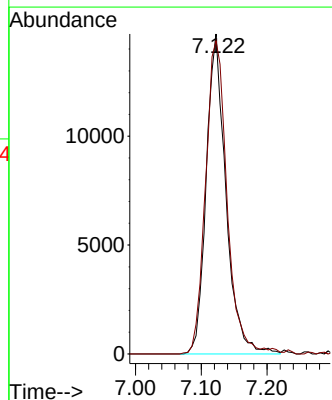
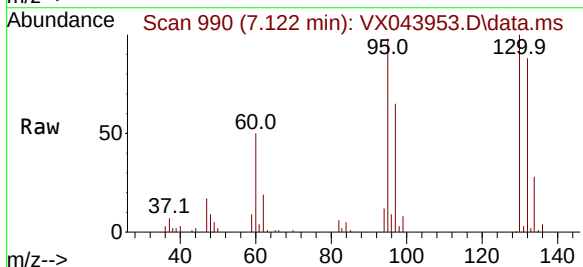
Acq: 22 Nov 2024 12:36

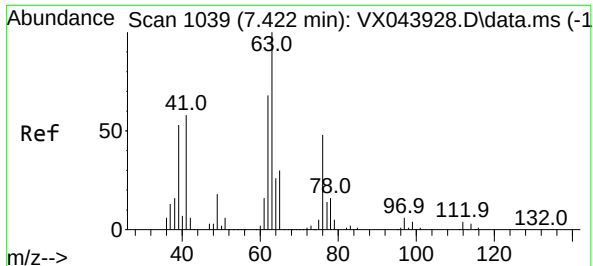
Tgt Ion:130 Resp: 30582

Ion Ratio Lower Upper

130 100

95 97.8 0.0 217.8





#45

1,2-Dichloropropane

Concen: 21.032 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

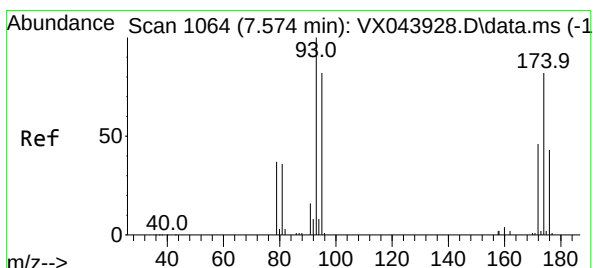
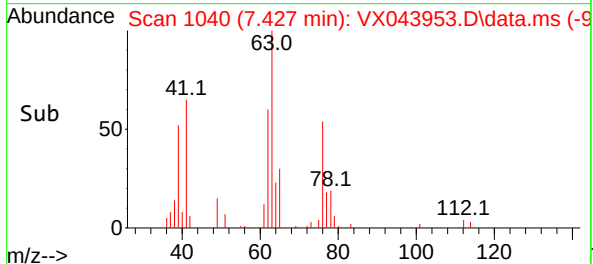
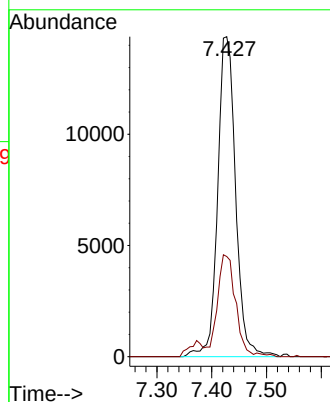
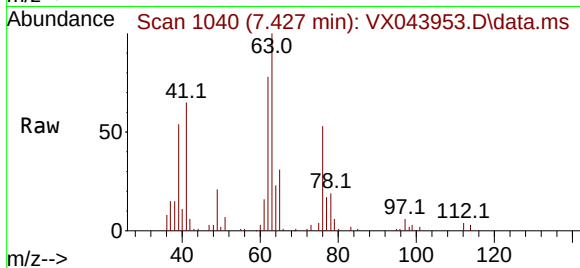
VX1122WBS01

Tgt Ion: 63 Resp: 32777

Ion Ratio Lower Upper

63 100

65 31.3 23.8 35.6



#46

Dibromomethane

Concen: 20.535 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

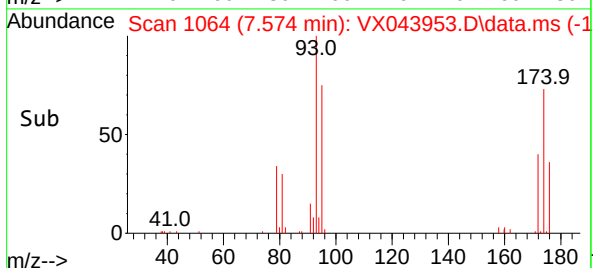
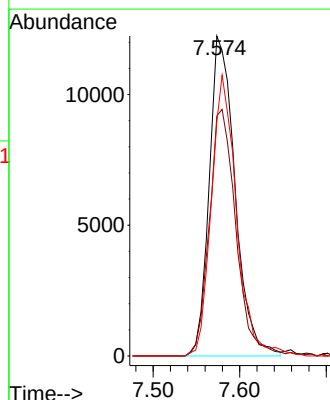
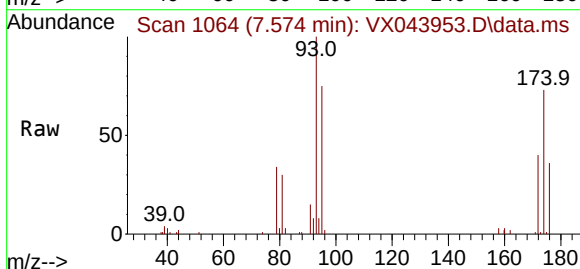
Tgt Ion: 93 Resp: 25316

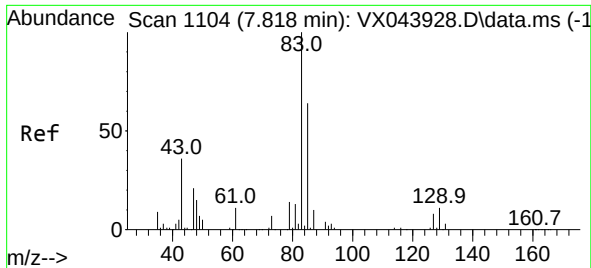
Ion Ratio Lower Upper

93 100

95 79.9 66.2 99.4

174 85.6 69.6 104.4

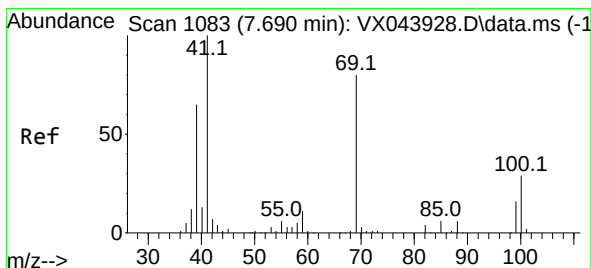
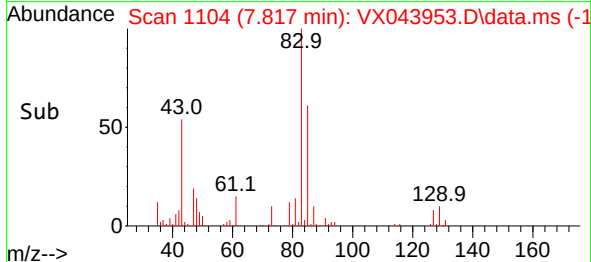
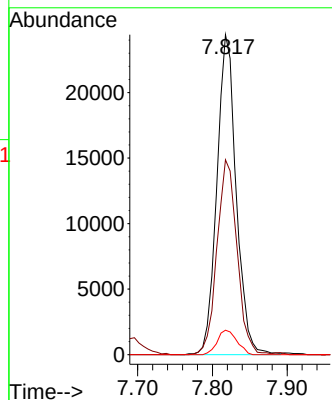
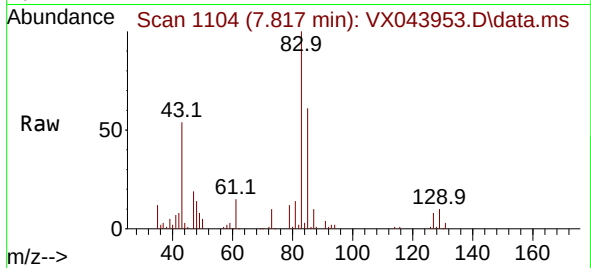




#47  
Bromodichloromethane  
Concen: 19.866 ug/l  
RT: 7.817 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

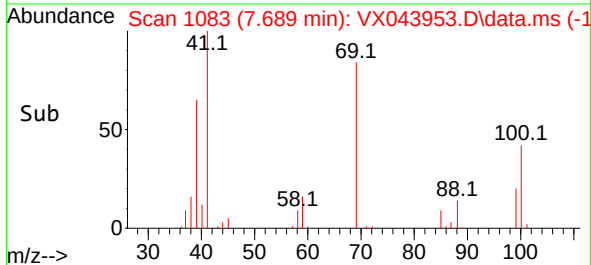
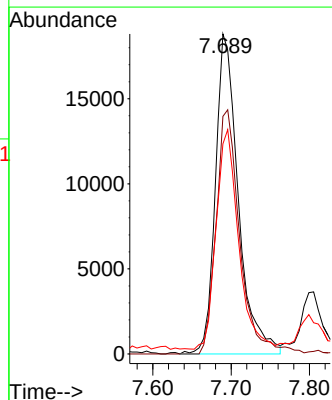
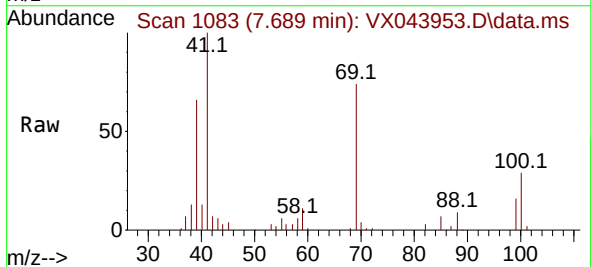
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

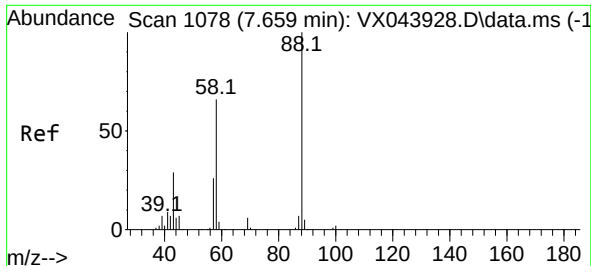
Tgt Ion: 83 Resp: 43925  
Ion Ratio Lower Upper  
83 100  
85 60.9 51.4 77.0  
127 7.6 6.6 10.0



#48  
Methyl methacrylate  
Concen: 19.741 ug/l  
RT: 7.689 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 41 Resp: 38226  
Ion Ratio Lower Upper  
41 100  
69 79.1 64.6 97.0  
39 66.8 53.3 79.9

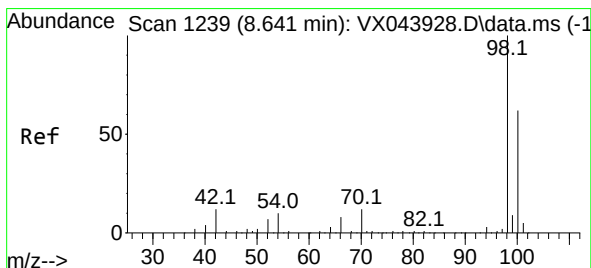
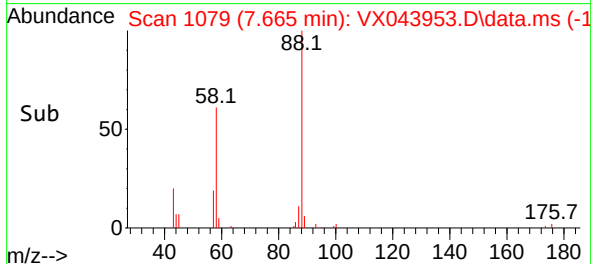
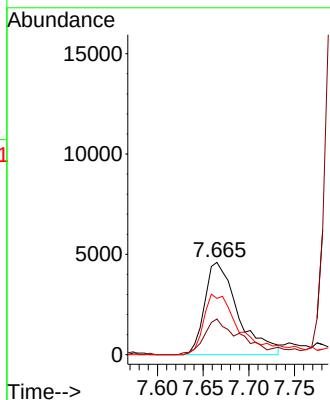
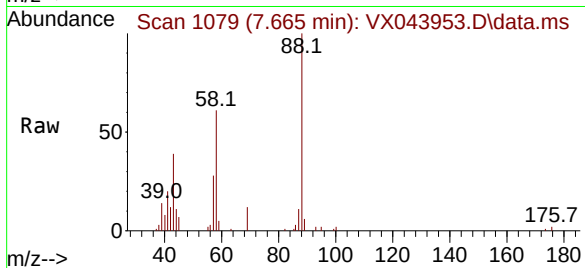




#49  
1,4-Dioxane  
Concen: 338.011 ug/l  
RT: 7.665 min Scan# 11659  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

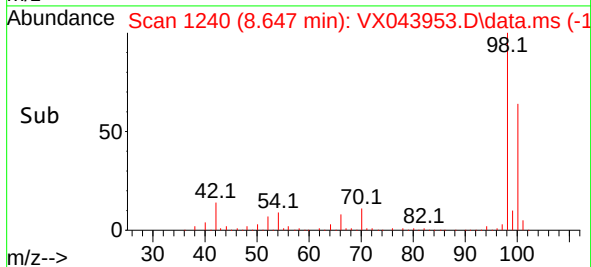
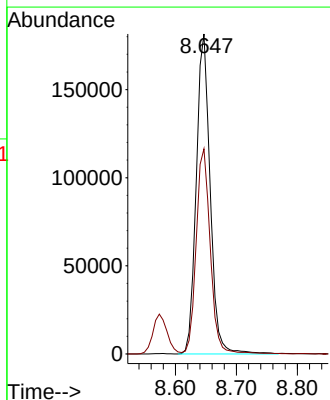
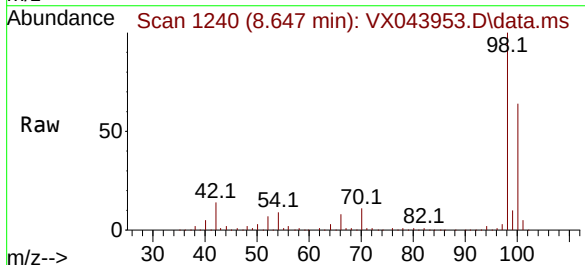
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Tgt Ion: 88 Resp: 11659  
Ion Ratio Lower Upper  
88 100  
43 41.6 26.8 40.2#  
58 74.4 45.4 68.2#

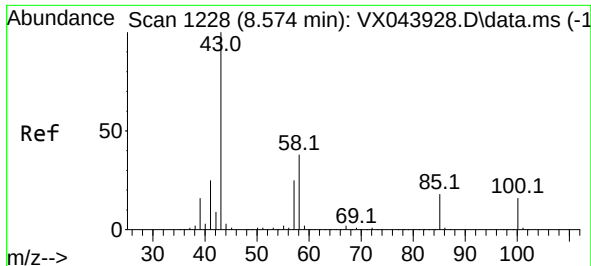


#50  
Toluene-d8  
Concen: 50.911 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 98 Resp: 287688  
Ion Ratio Lower Upper  
98 100  
100 64.7 52.6 79.0



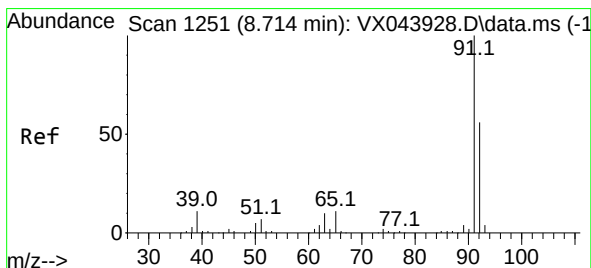
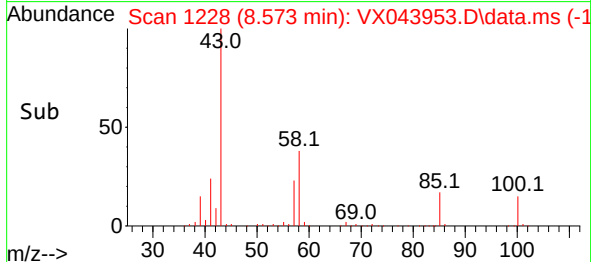
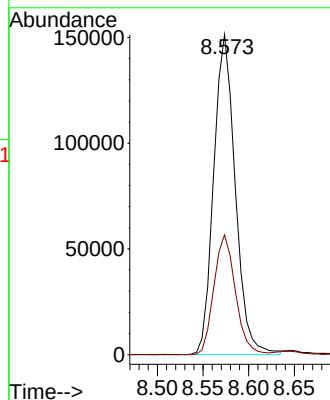
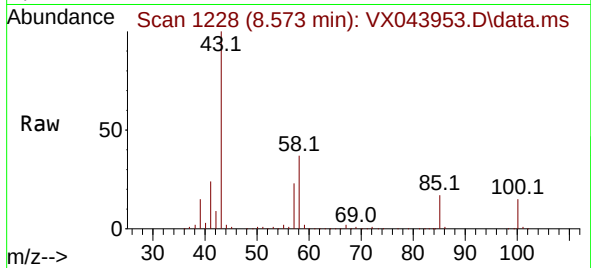




#51  
4-Methyl-2-Pentanone  
Concen: 100.883 ug/l  
RT: 8.573 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

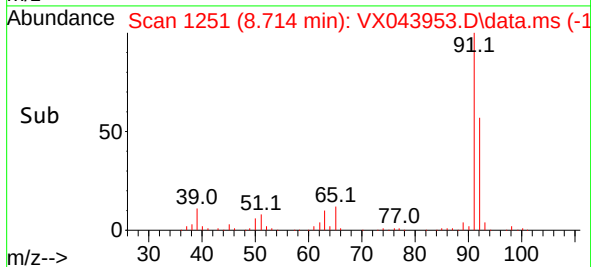
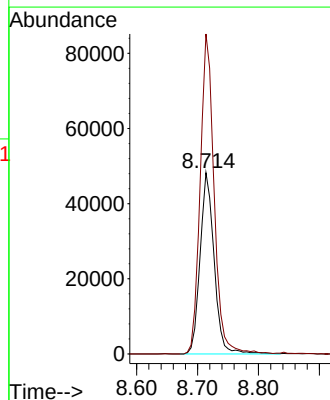
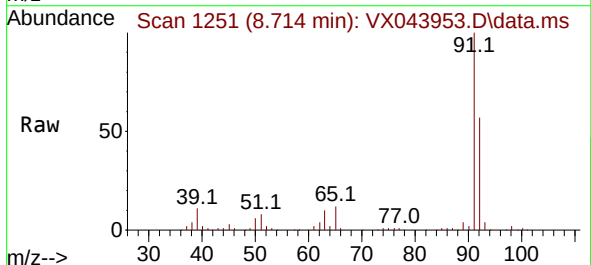
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

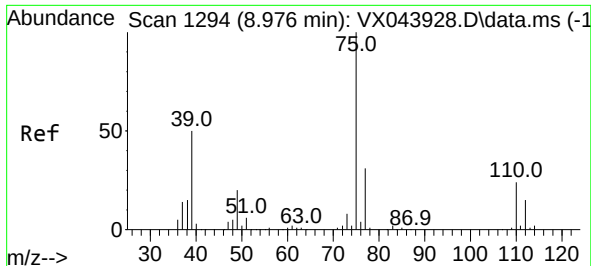
Tgt Ion: 43 Resp: 248440  
Ion Ratio Lower Upper  
43 100  
58 37.4 30.0 45.0



#52  
Toluene  
Concen: 20.351 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 92 Resp: 77505  
Ion Ratio Lower Upper  
92 100  
91 175.1 139.7 209.5

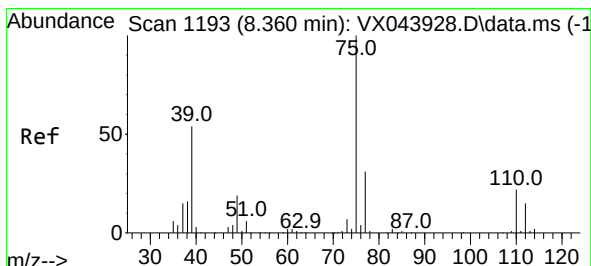
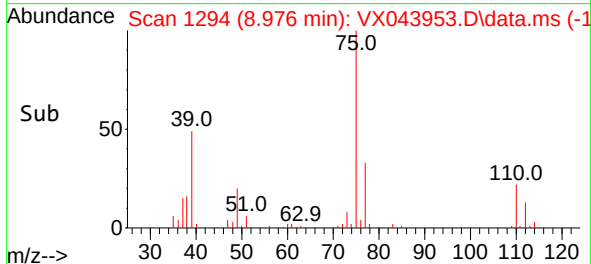
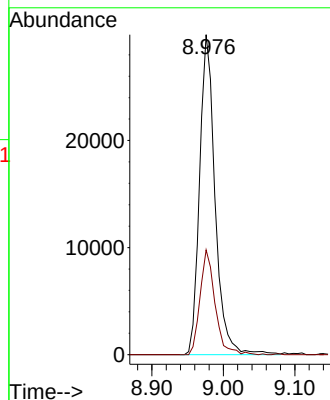
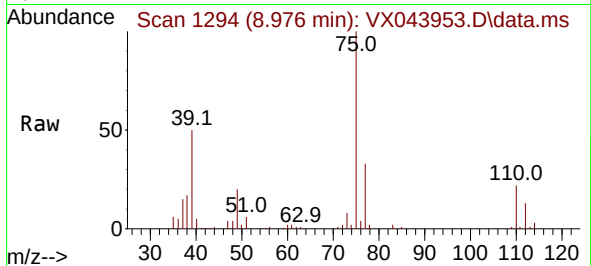




#53  
 t-1,3-Dichloropropene  
 Concen: 19.965 ug/l  
 RT: 8.976 min Scan# 1194  
 Delta R.T. -0.000 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

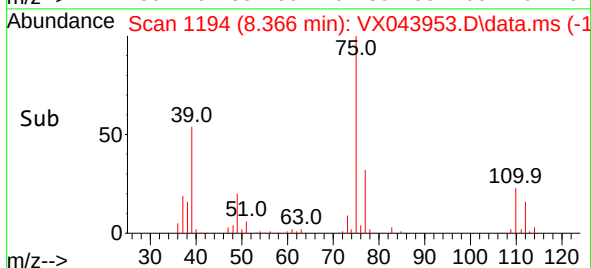
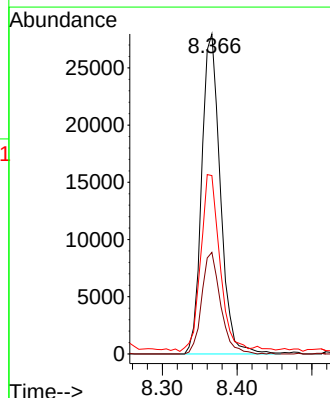
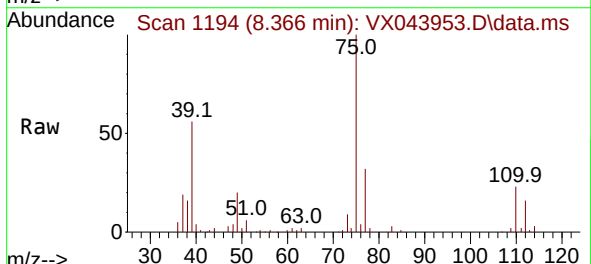
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBS01

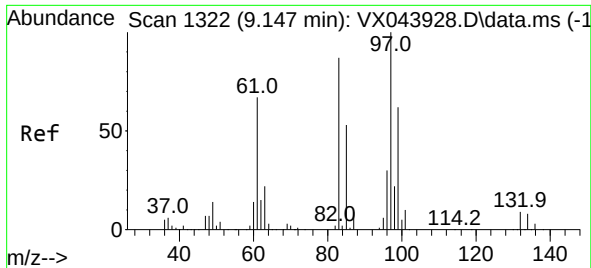
Tgt Ion: 75 Resp: 45015  
 Ion Ratio Lower Upper  
 75 100  
 77 32.7 25.1 37.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 19.572 ug/l  
 RT: 8.366 min Scan# 1194  
 Delta R.T. 0.006 min  
 Lab File: VX043953.D  
 Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 48377  
 Ion Ratio Lower Upper  
 75 100  
 77 31.7 25.2 37.8  
 39 54.9 43.1 64.7

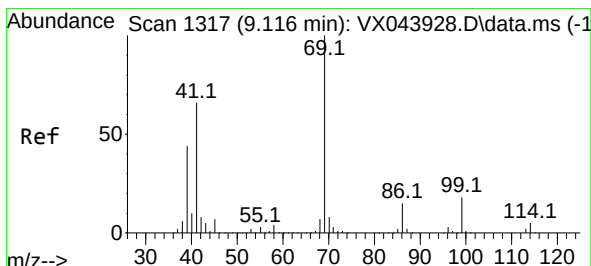
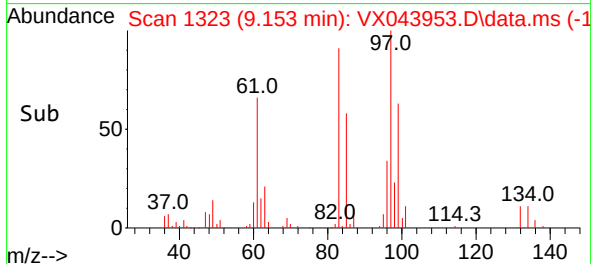
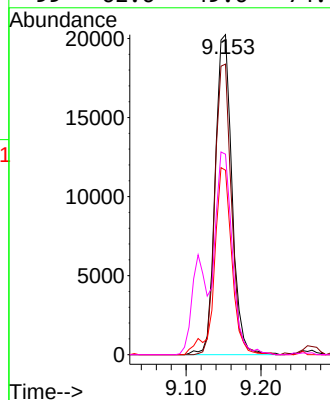
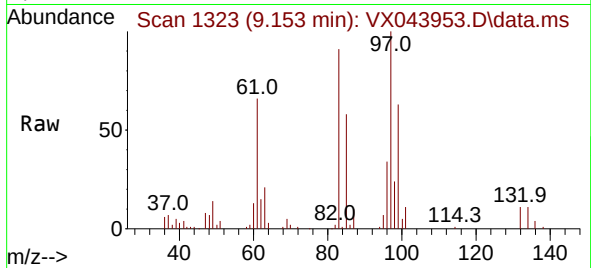




#55  
1,1,2-Trichloroethane  
Concen: 20.126 ug/l  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

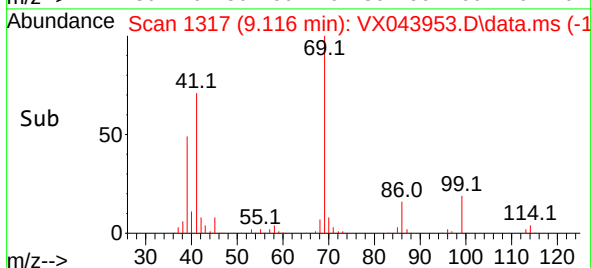
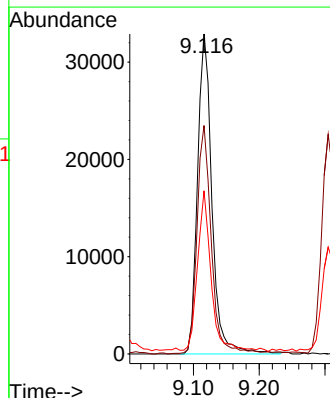
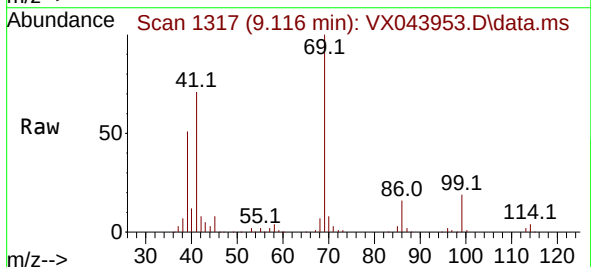
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

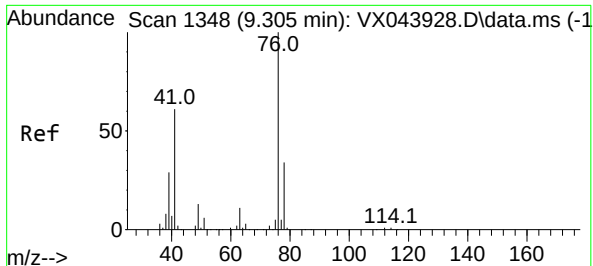
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 31640 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 90.8  | 69.4  | 104.0 |
| 85       | 57.7  | 42.3  | 63.5  |
| 99       | 62.6  | 49.6  | 74.4  |



#56  
Ethyl methacrylate  
Concen: 20.380 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 49905 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 71.1  | 55.8  | 83.8  |
| 39       | 47.7  | 36.7  | 55.1  |





#57

1,3-Dichloropropane

Concen: 20.993 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

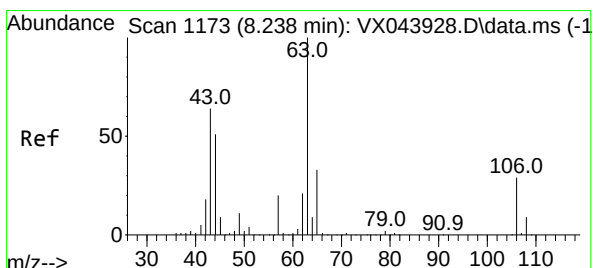
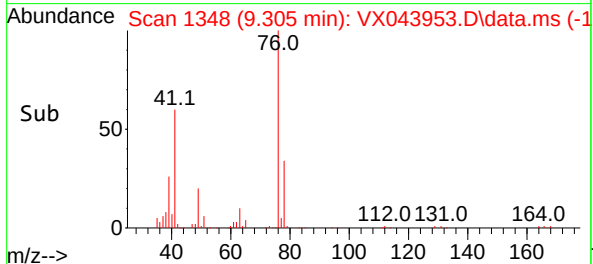
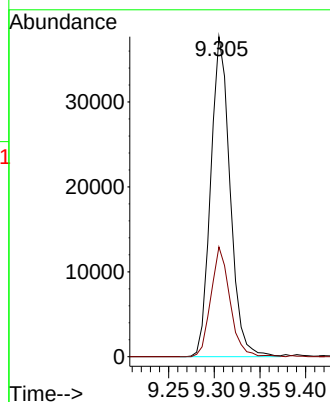
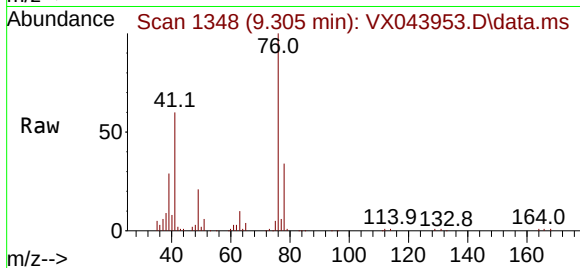
VX1122WBS01

Tgt Ion: 76 Resp: 55597

Ion Ratio Lower Upper

76 100

78 33.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 90.630 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043953.D

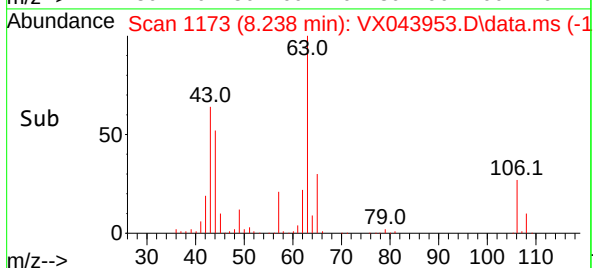
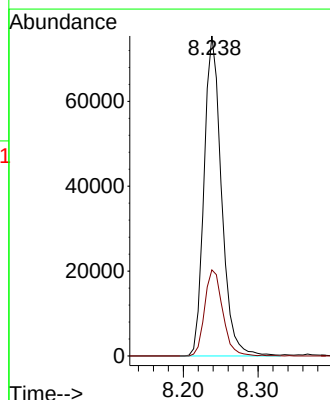
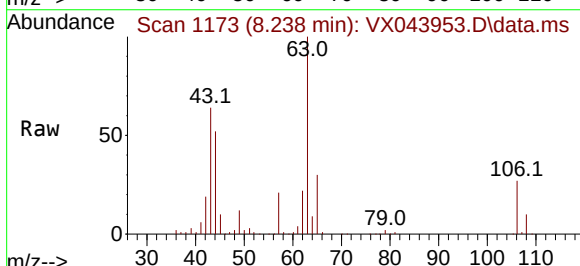
Acq: 22 Nov 2024 12:36

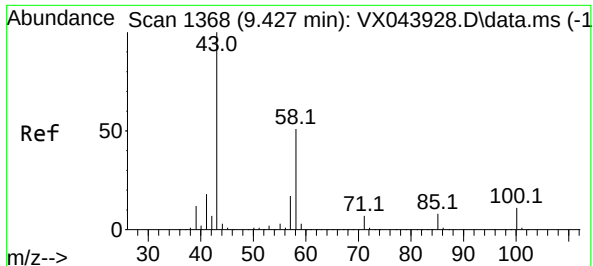
Tgt Ion: 63 Resp: 122520

Ion Ratio Lower Upper

63 100

106 27.6 23.0 34.6

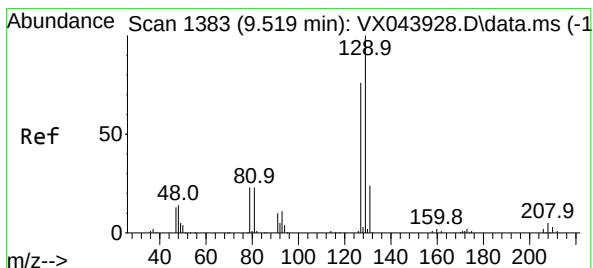
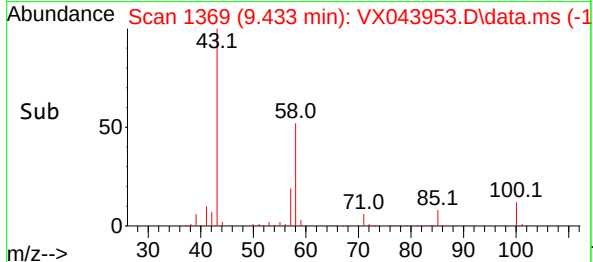
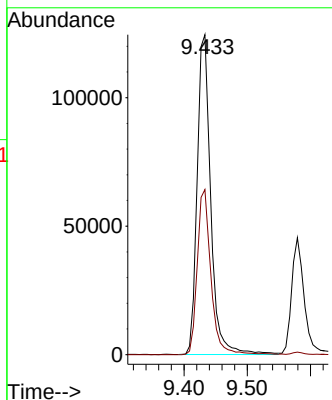
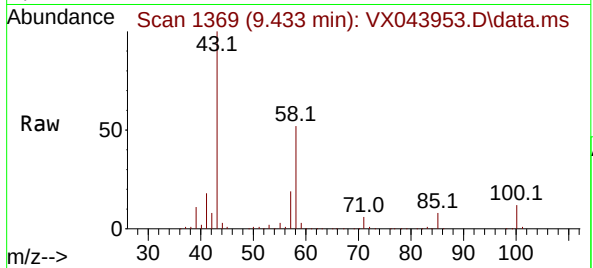




#59  
2-Hexanone  
Concen: 100.633 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

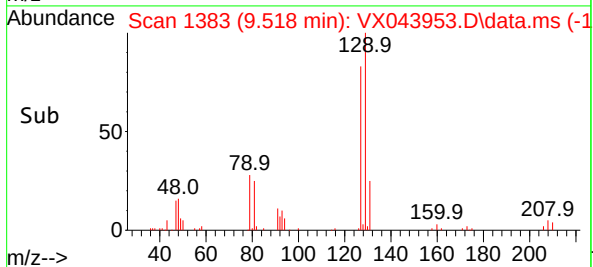
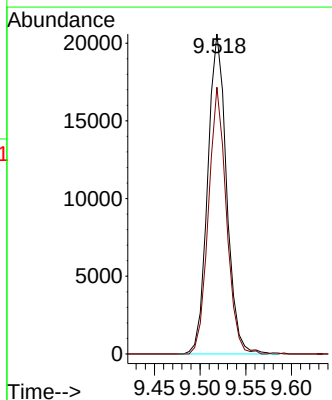
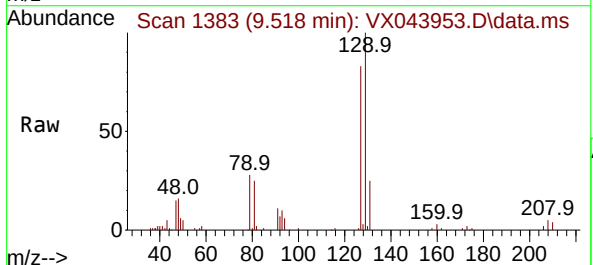
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

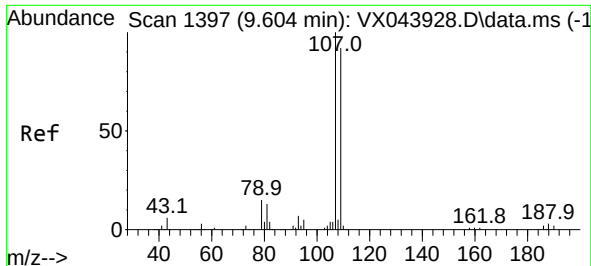
Tgt Ion: 43 Resp: 186272  
Ion Ratio Lower Upper  
43 100  
58 52.1 25.9 77.6



#60  
Dibromochloromethane  
Concen: 18.733 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 129 Resp: 29549  
Ion Ratio Lower Upper  
129 100  
127 78.9 38.2 114.6

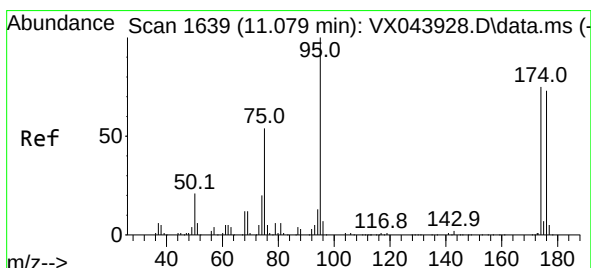
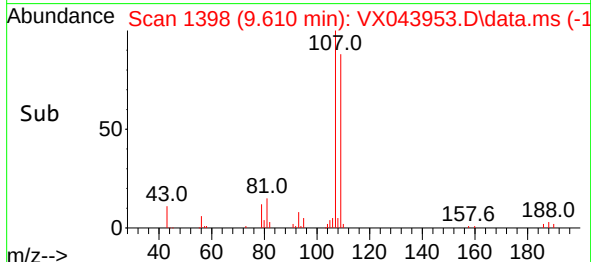
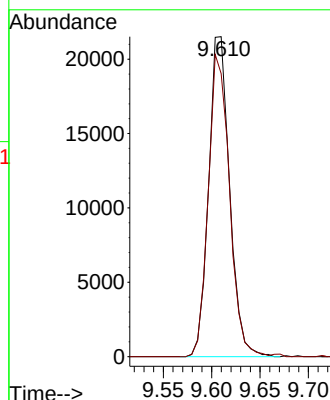
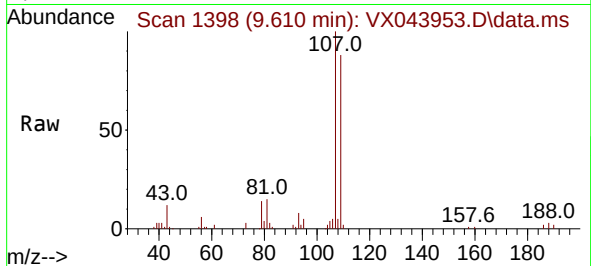




#61  
1,2-Dibromoethane  
Concen: 20.465 ug/l  
RT: 9.610 min Scan# 1  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

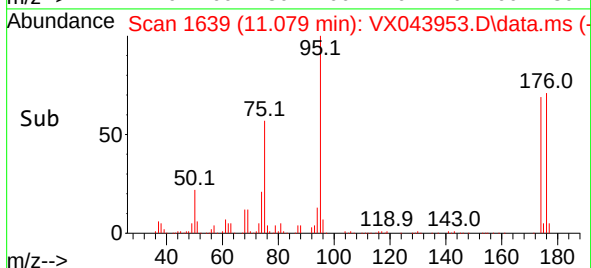
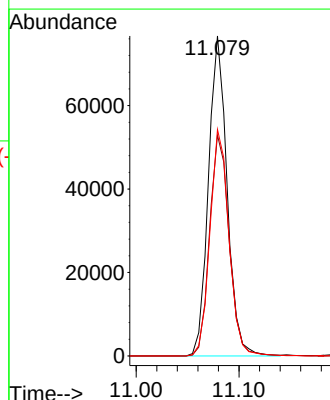
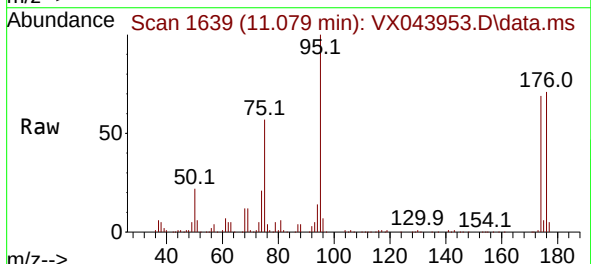
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

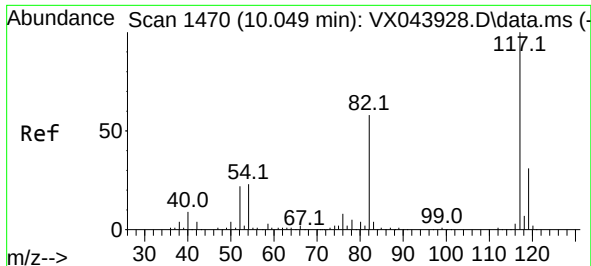
Tgt Ion:107 Resp: 32532  
Ion Ratio Lower Upper  
107 100  
109 95.7 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 50.392 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 95 Resp: 96910  
Ion Ratio Lower Upper  
95 100  
174 72.1 0.0 150.4  
176 72.2 0.0 146.0

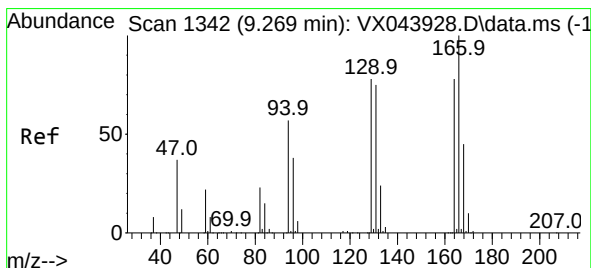
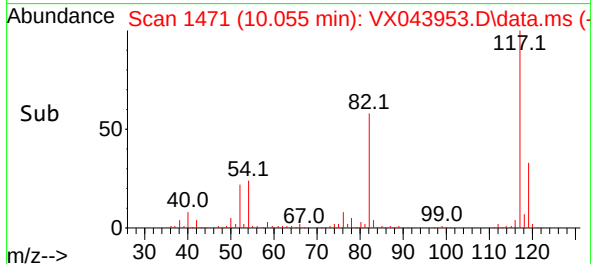
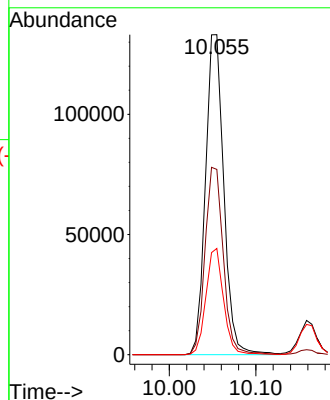
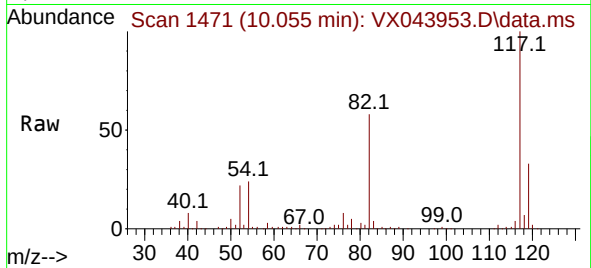




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

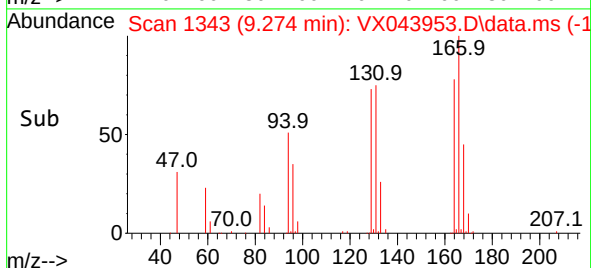
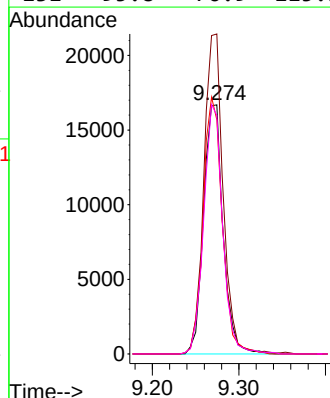
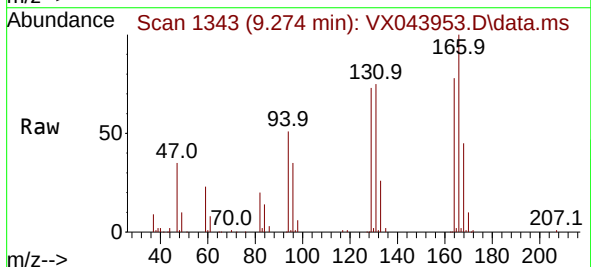
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

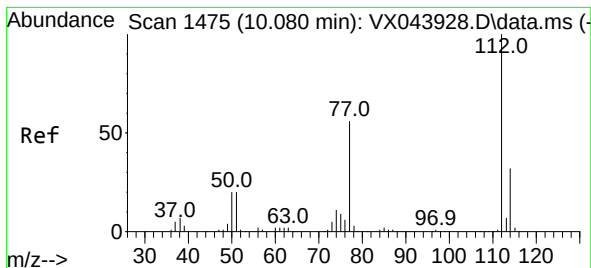
Tgt Ion:117 Resp: 195535  
Ion Ratio Lower Upper  
117 100  
82 57.9 46.4 69.6  
119 33.2 24.6 37.0



#64  
Tetrachloroethene  
Concen: 20.270 ug/l  
RT: 9.274 min Scan# 1343  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion:164 Resp: 26135  
Ion Ratio Lower Upper  
164 100  
166 128.5 102.1 153.1  
129 94.0 79.6 119.4  
131 95.8 76.9 115.3





#65

Chlorobenzene

Concen: 19.908 ug/l

RT: 10.079 min Scan# 1475

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

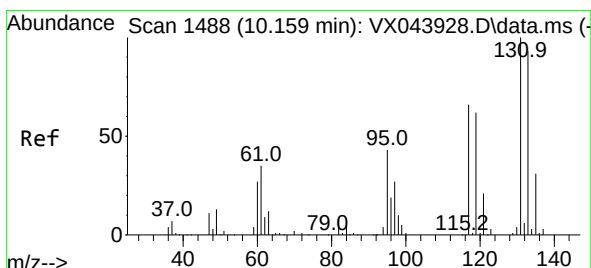
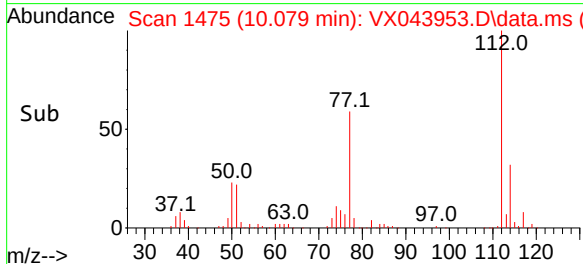
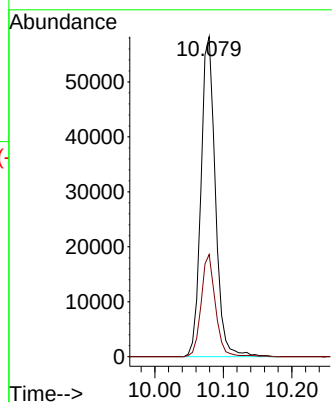
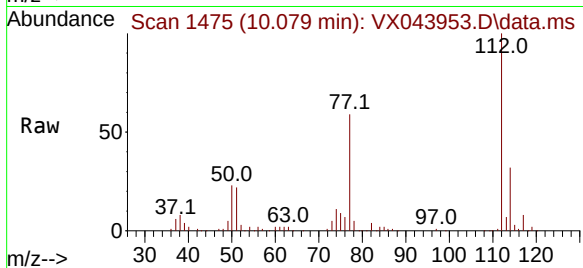
VX1122WBS01

Tgt Ion:112 Resp: 85495

Ion Ratio Lower Upper

112 100

114 32.0 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 20.737 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

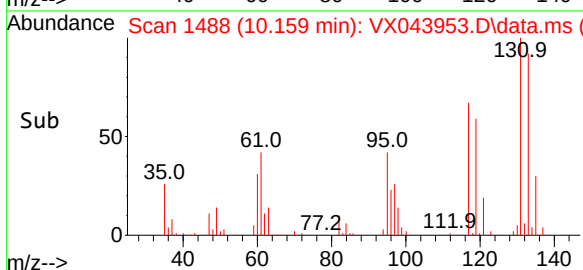
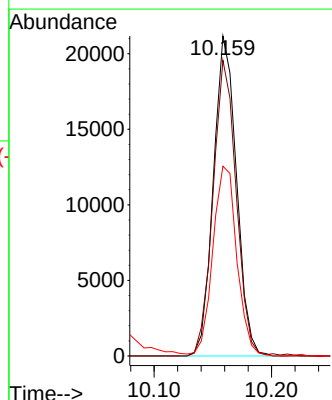
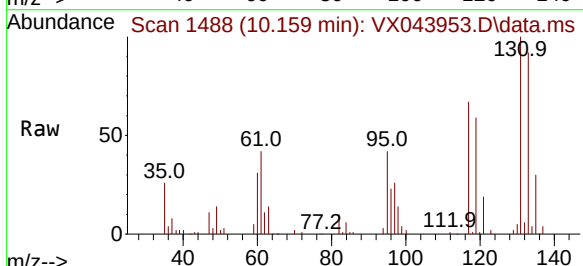
Tgt Ion:131 Resp: 28882

Ion Ratio Lower Upper

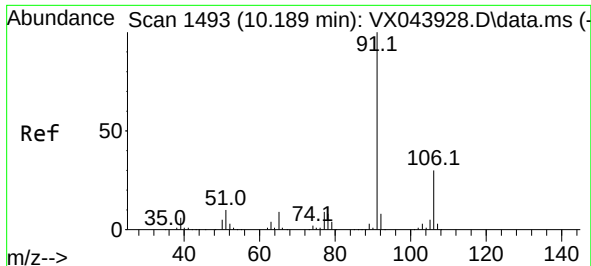
131 100

133 93.3 48.2 144.6

119 61.7 31.5 94.5







#67

Ethyl Benzene

Concen: 20.404 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

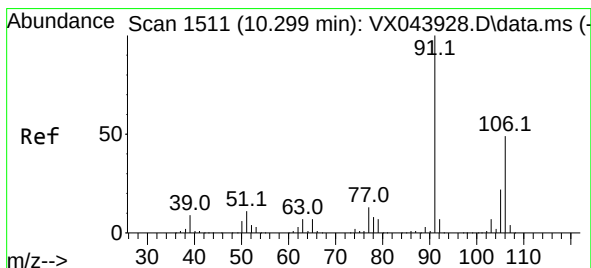
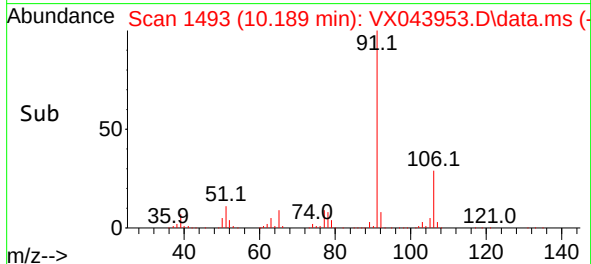
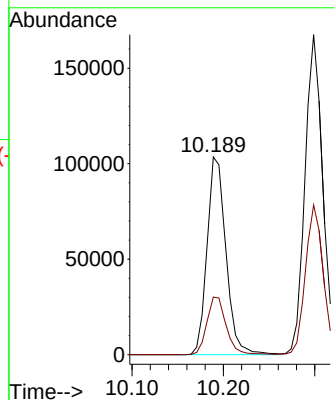
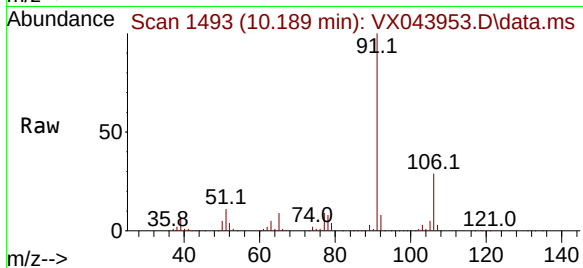
VX1122WBS01

Tgt Ion: 91 Resp: 148481

Ion Ratio Lower Upper

91 100

106 29.1 23.6 35.4



#68

m/p-Xylenes

Concen: 40.309 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043953.D

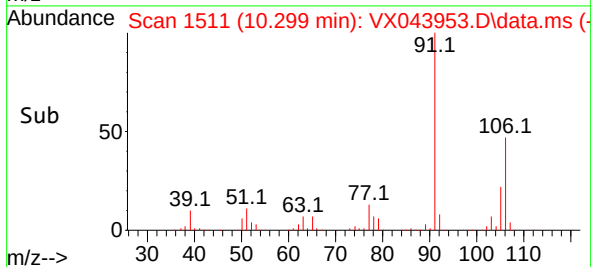
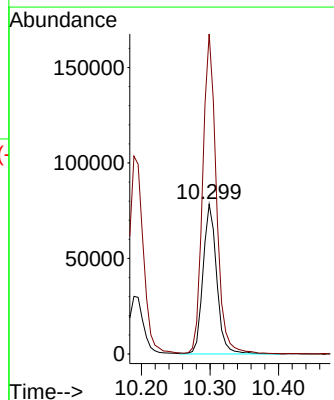
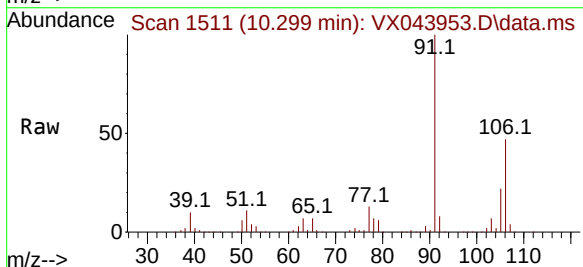
Acq: 22 Nov 2024 12:36

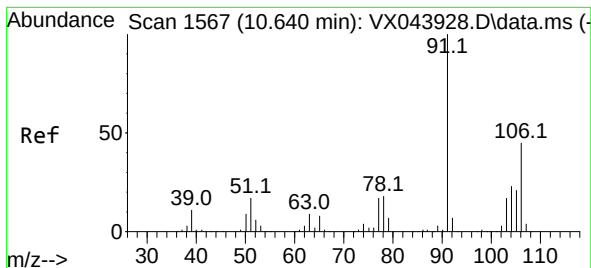
Tgt Ion:106 Resp: 109390

Ion Ratio Lower Upper

106 100

91 212.7 168.1 252.1





#69

o-Xylene

Concen: 20.665 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

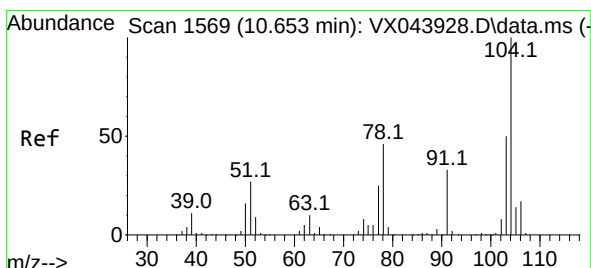
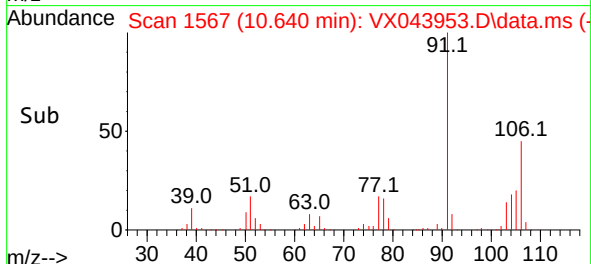
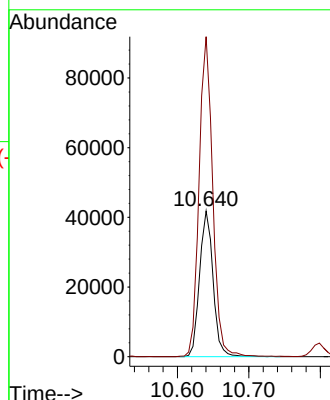
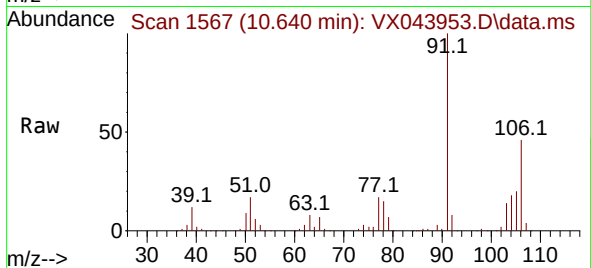
VX1122WBS01

Tgt Ion:106 Resp: 54754

Ion Ratio Lower Upper

106 100

91 221.6 110.2 330.6



#70

Styrene

Concen: 20.579 ug/l

RT: 10.652 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

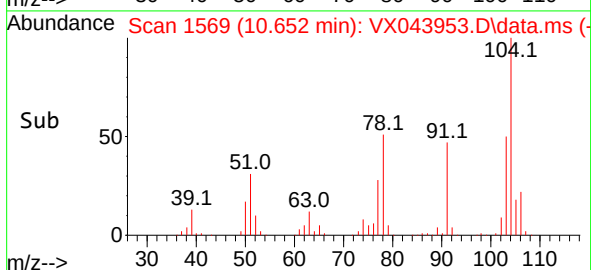
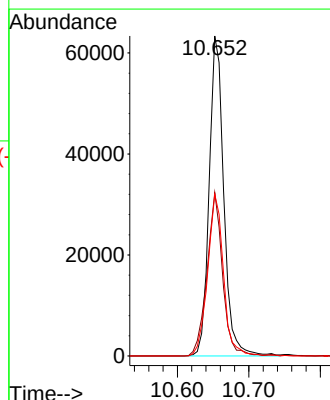
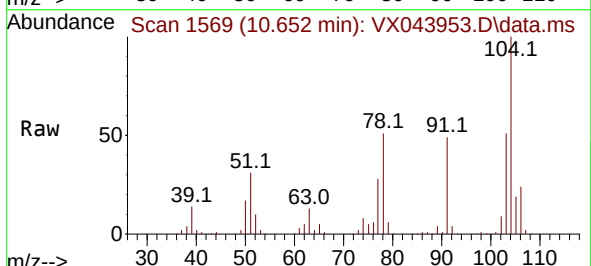
Tgt Ion:104 Resp: 90186

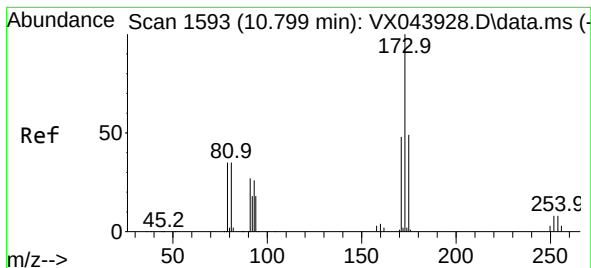
Ion Ratio Lower Upper

104 100

78 54.3 42.2 63.2

103 54.7 44.7 67.1





#71

Bromoform

Concen: 16.936 ug/l

RT: 10.799 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

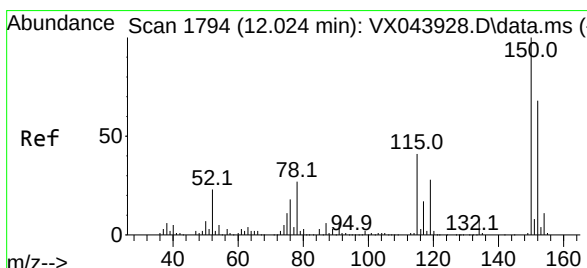
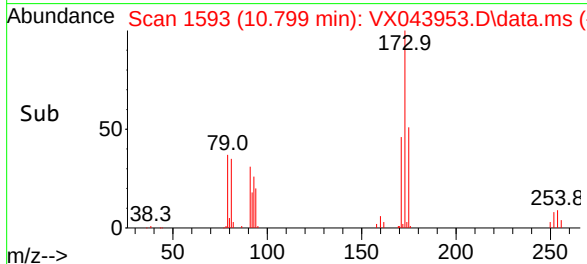
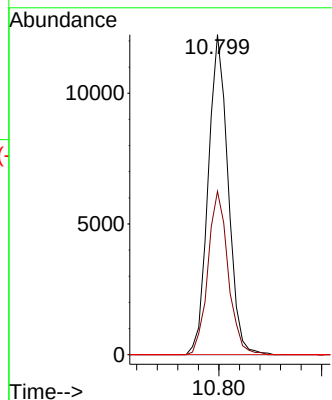
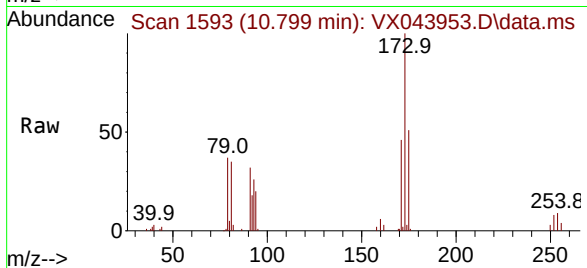
Tgt Ion:173 Resp: 16436

Ion Ratio Lower Upper

173 100

175 51.9 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

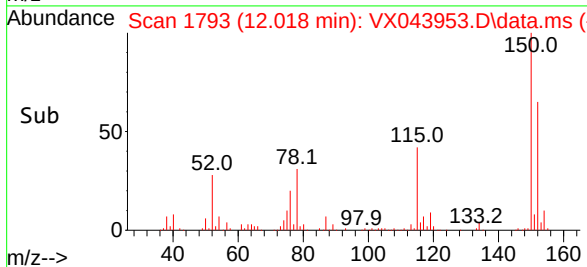
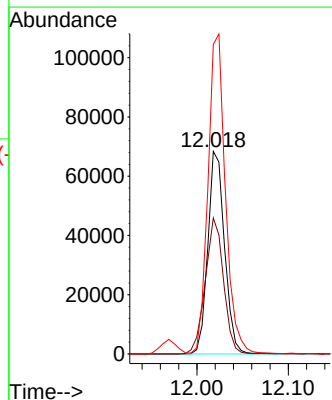
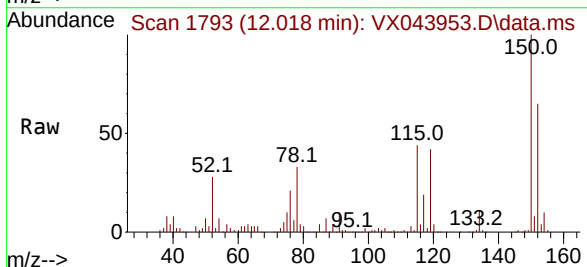
Tgt Ion:152 Resp: 86659

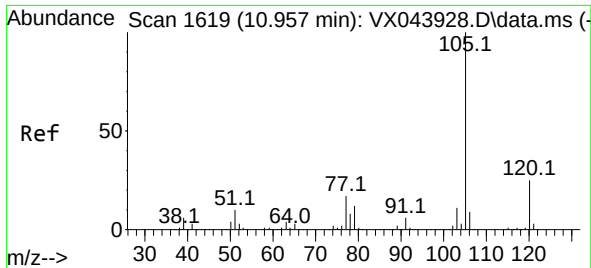
Ion Ratio Lower Upper

152 100

115 73.0 45.4 136.2

150 164.6 0.0 353.0

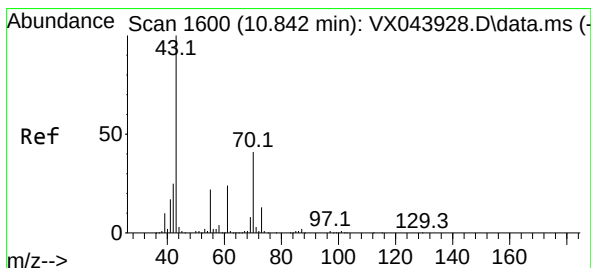
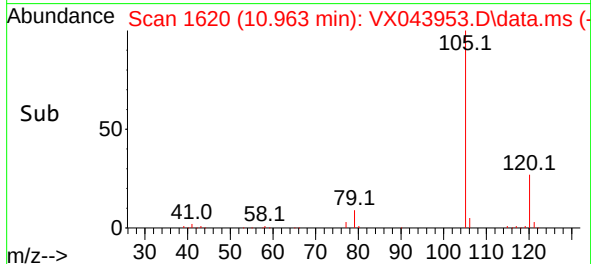
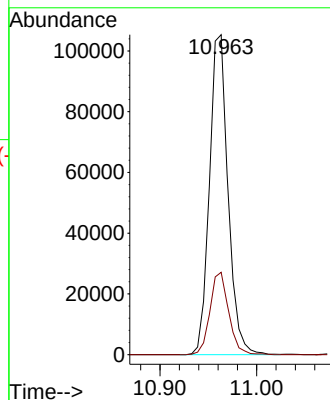
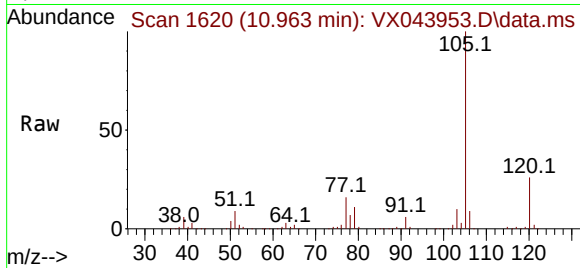




#73  
Isopropylbenzene  
Concen: 21.084 ug/l  
RT: 10.963 min Scan# 1619  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

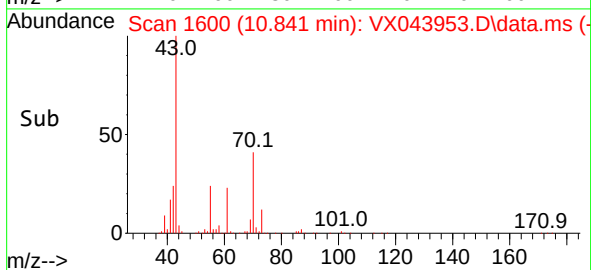
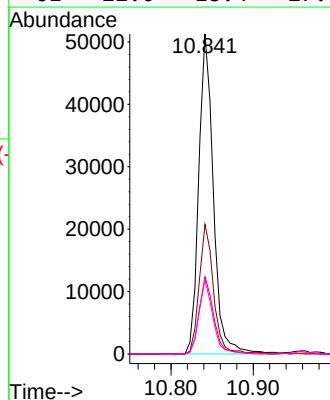
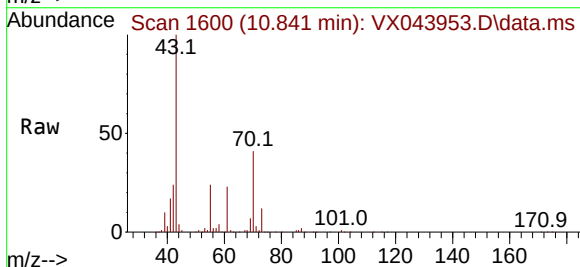
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

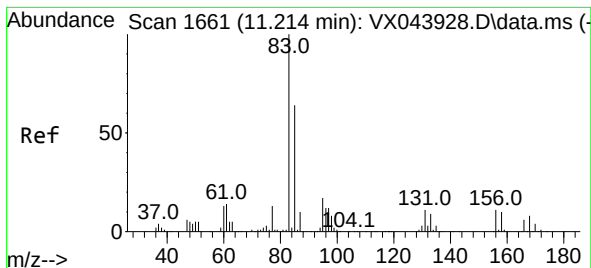
Tgt Ion:105 Resp: 140447  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.0 38.9



#74  
N-ethyl acetate  
Concen: 20.600 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 43 Resp: 63571  
Ion Ratio Lower Upper  
43 100  
70 39.9 32.2 48.2  
55 23.8 18.1 27.1  
61 22.0 18.4 27.6

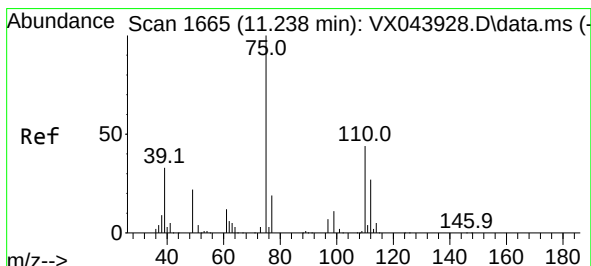
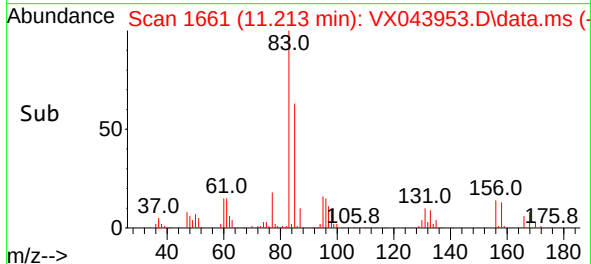
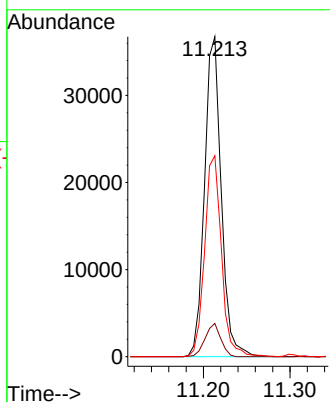
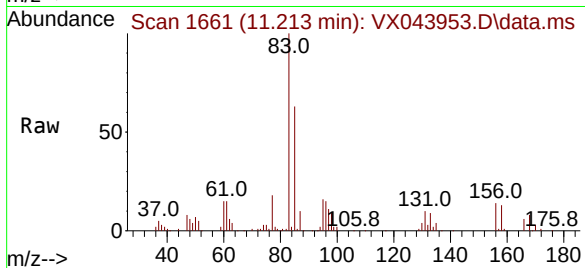




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.561 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

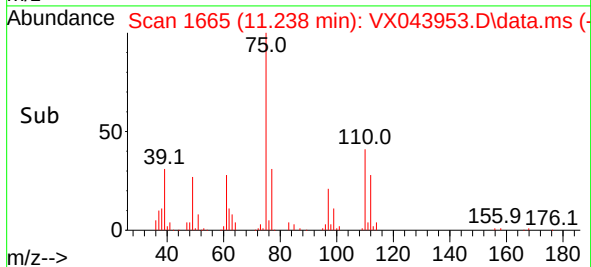
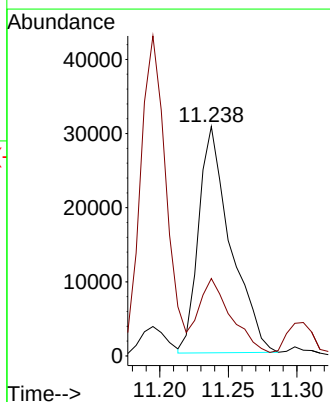
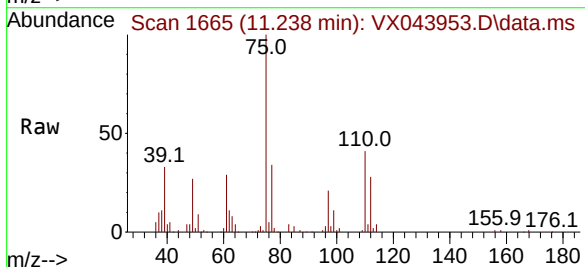
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

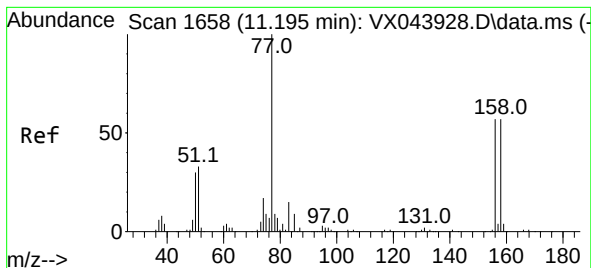
Tgt Ion: 83 Resp: 49179  
Ion Ratio Lower Upper  
83 100  
131 9.8 5.1 15.2  
85 63.4 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 26.139 ug/l  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 49676  
Ion Ratio Lower Upper  
75 100  
77 35.7 21.8 65.3





#77

Bromobenzene

Concen: 20.723 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

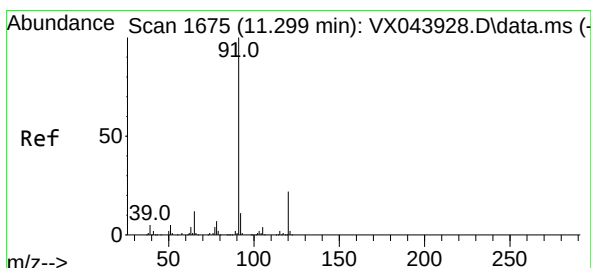
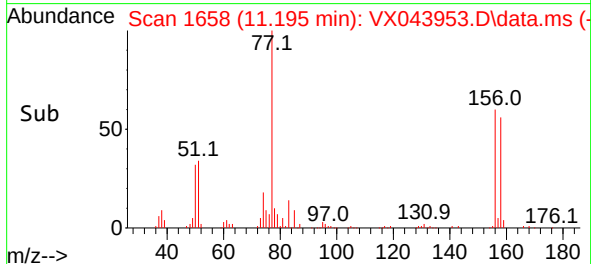
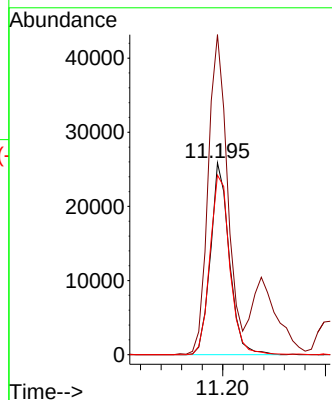
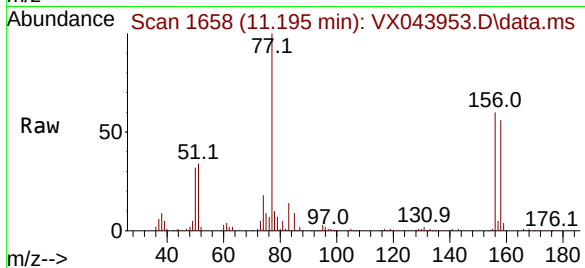
Tgt Ion:156 Resp: 32930

Ion Ratio Lower Upper

156 100

77 171.5 83.4 250.1

158 99.3 47.6 142.8



#78

n-propylbenzene

Concen: 20.912 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043953.D

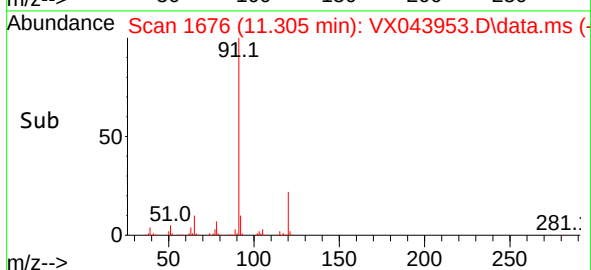
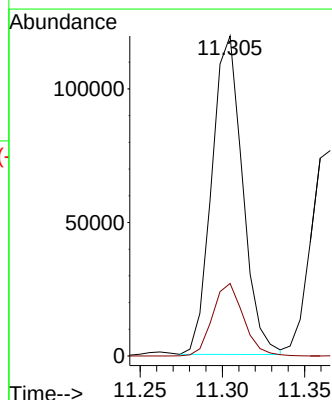
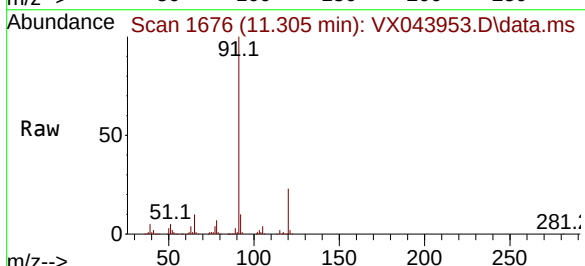
Acq: 22 Nov 2024 12:36

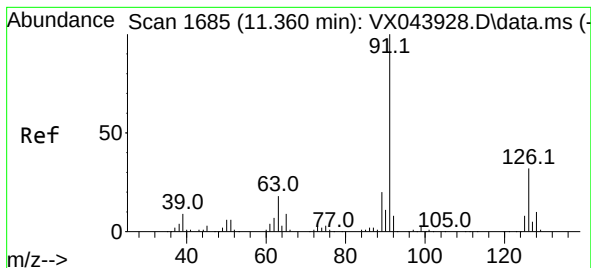
Tgt Ion: 91 Resp: 155584

Ion Ratio Lower Upper

91 100

120 22.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 21.442 ug/l

RT: 11.366 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

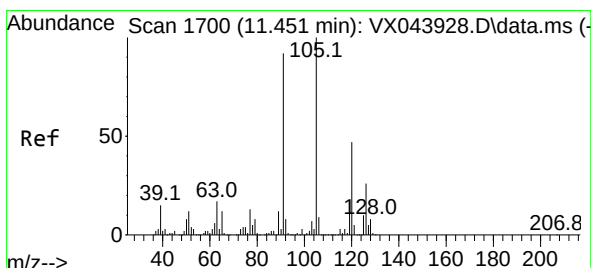
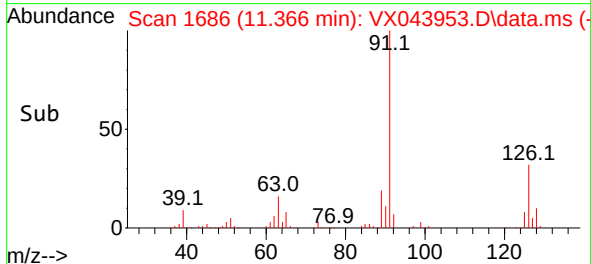
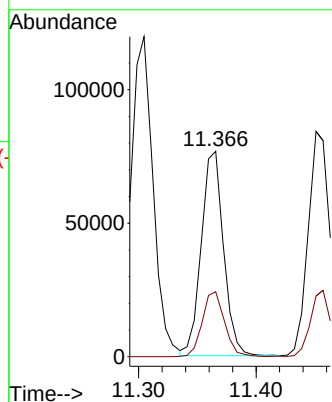
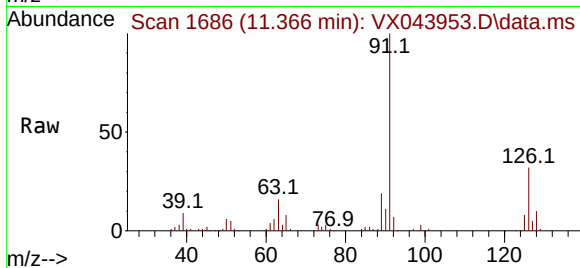
VX1122WBS01

Tgt Ion: 91 Resp: 100875

Ion Ratio Lower Upper

91 100

126 31.8 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 21.878 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043953.D

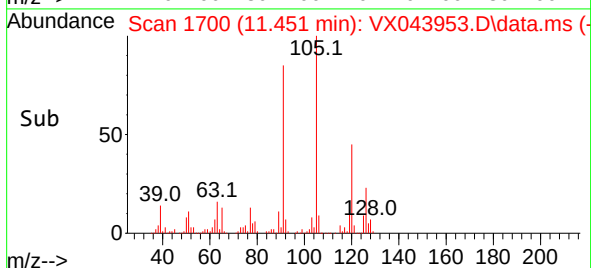
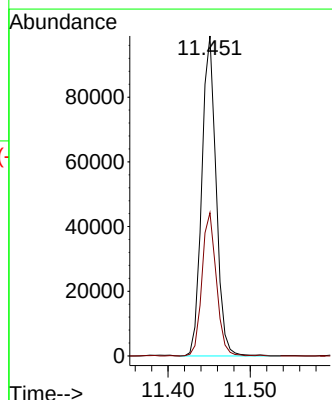
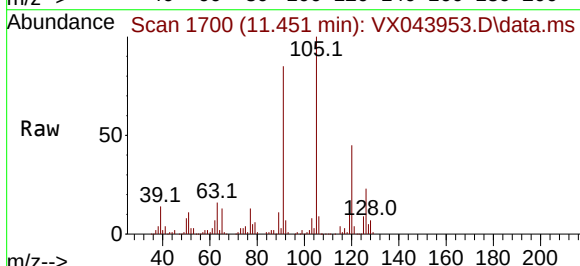
Acq: 22 Nov 2024 12:36

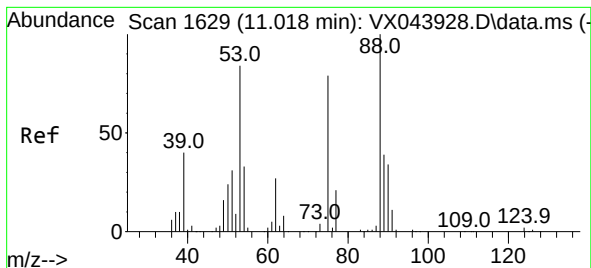
Tgt Ion: 105 Resp: 119899

Ion Ratio Lower Upper

105 100

120 44.9 23.3 69.8

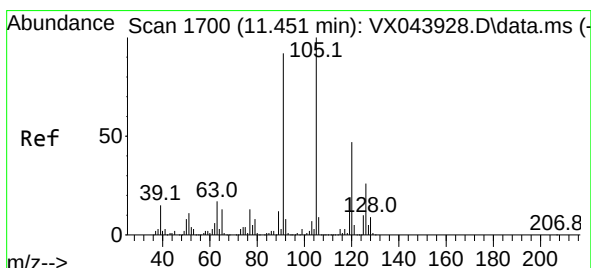
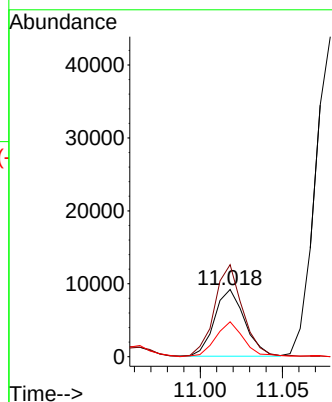
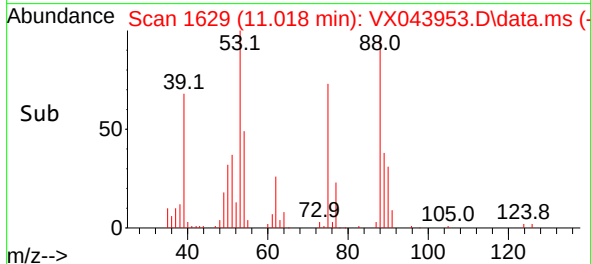
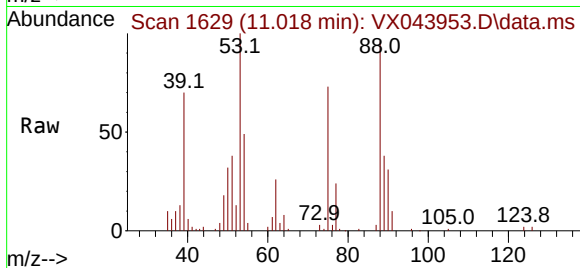




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.695 ug/l  
RT: 11.018 min Scan# 11627  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

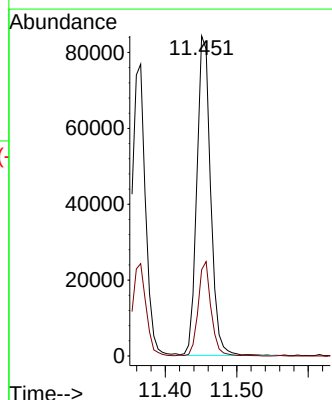
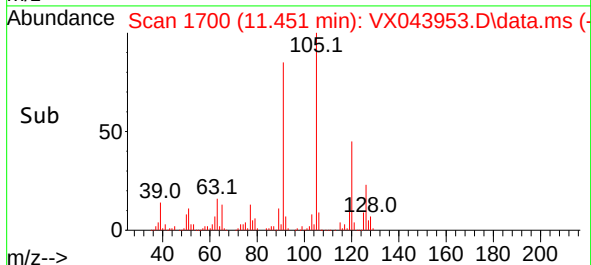
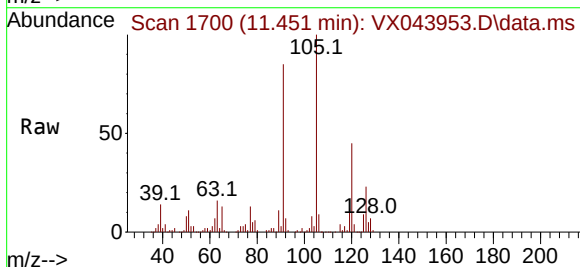
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

Tgt Ion: 75 Resp: 11627  
Ion Ratio Lower Upper  
75 100  
53 131.0 86.7 130.1#  
89 48.8 38.2 57.2

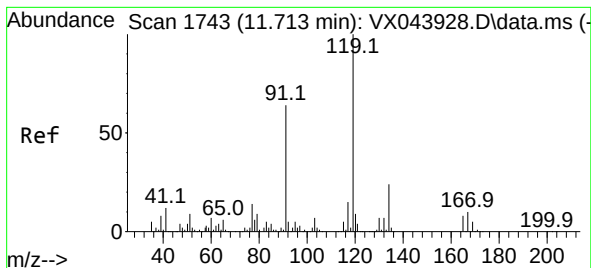


#82  
4-Chlorotoluene  
Concen: 21.166 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 91 Resp: 112420  
Ion Ratio Lower Upper  
91 100  
126 27.9 14.3 42.9







#83

tert-Butylbenzene

Concen: 21.028 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

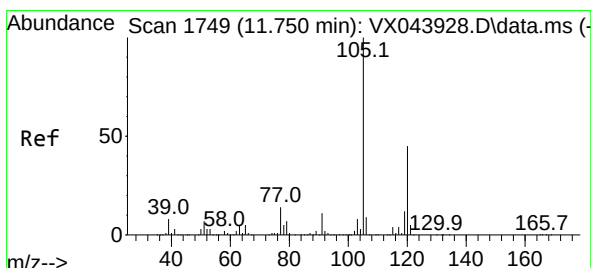
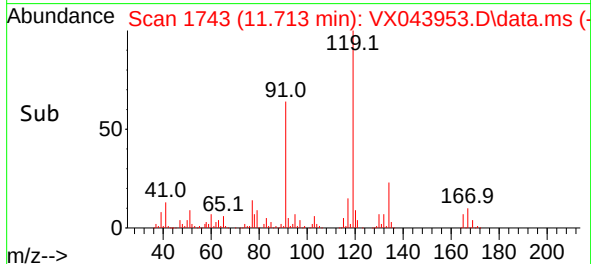
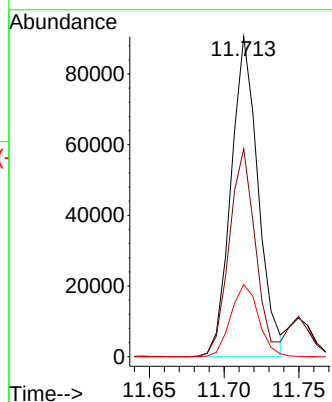
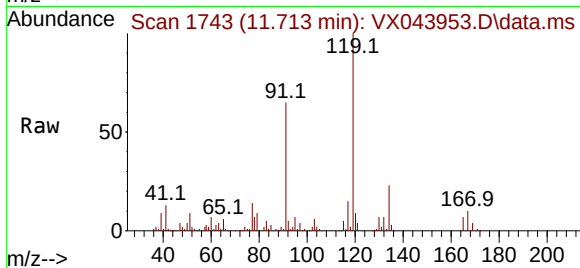
Tgt Ion:119 Resp: 114224

Ion Ratio Lower Upper

119 100

91 63.5 31.0 93.0

134 23.1 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 21.424 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043953.D

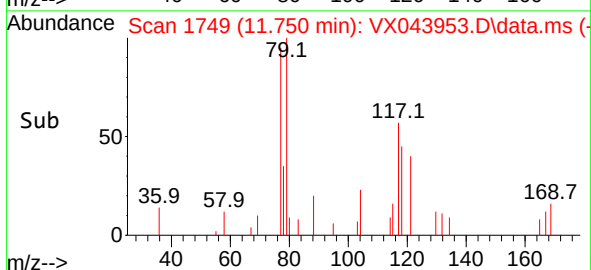
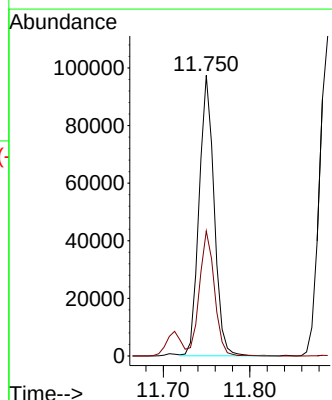
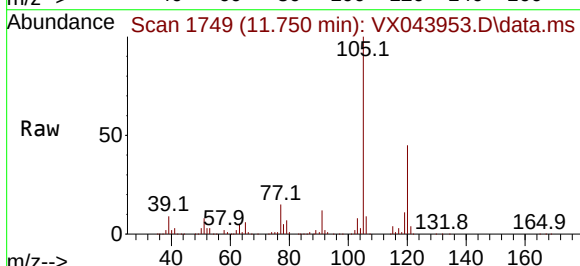
Acq: 22 Nov 2024 12:36

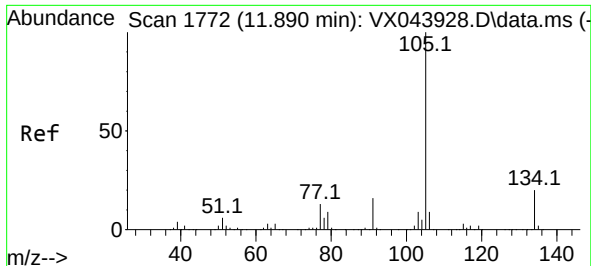
Tgt Ion:105 Resp: 116894

Ion Ratio Lower Upper

105 100

120 44.7 21.9 65.7

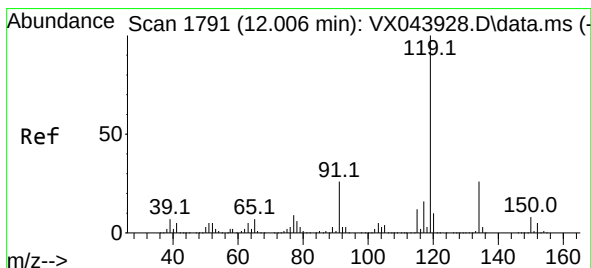
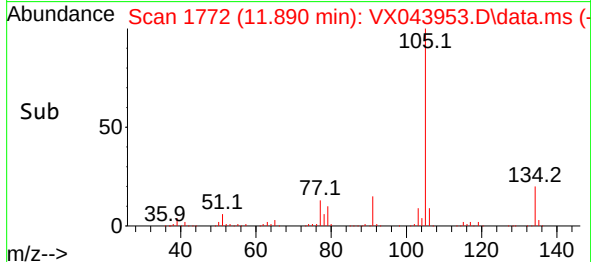
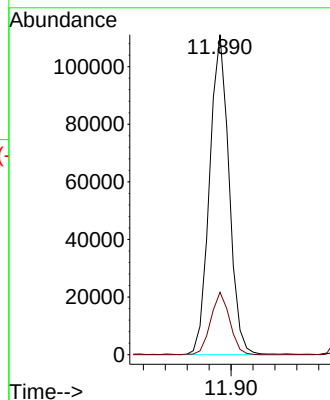
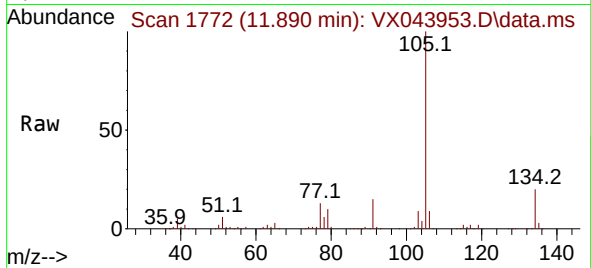




#85  
sec-Butylbenzene  
Concen: 20.577 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

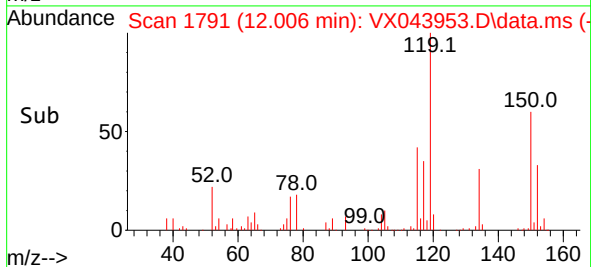
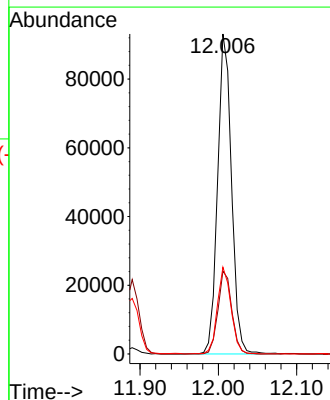
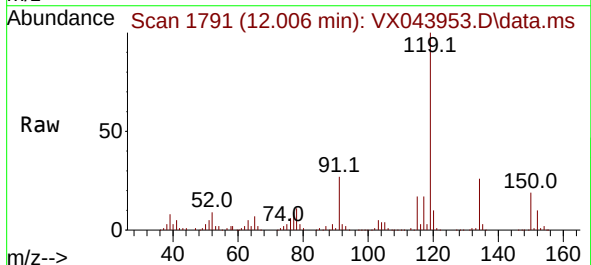
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

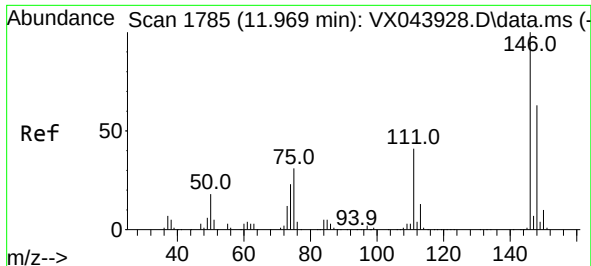
Tgt Ion:105 Resp: 136947  
Ion Ratio Lower Upper  
105 100  
134 19.0 9.7 29.1



#86  
p-Isopropyltoluene  
Concen: 21.255 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion:119 Resp: 114908  
Ion Ratio Lower Upper  
119 100  
134 25.8 13.0 38.9  
91 26.6 13.0 38.9

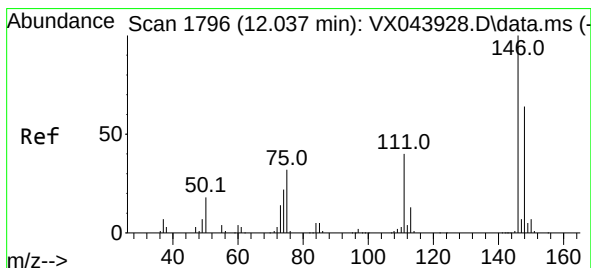
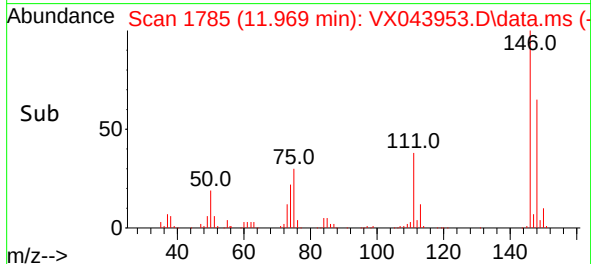
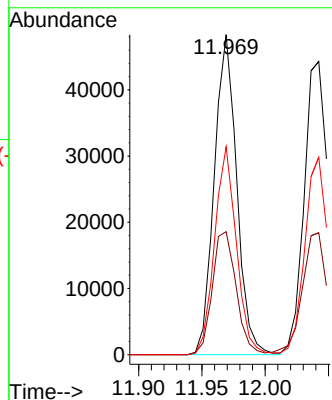
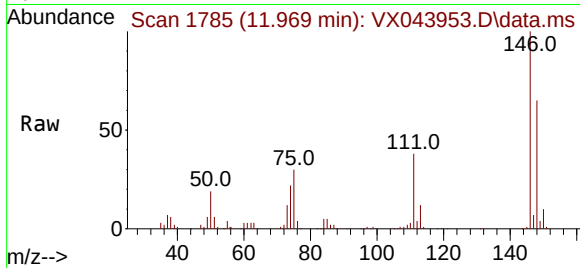




#87  
1,3-Dichlorobenzene  
Concen: 20.602 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

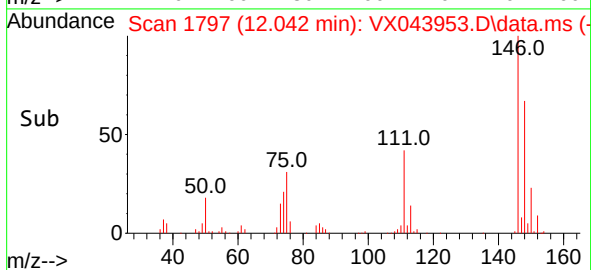
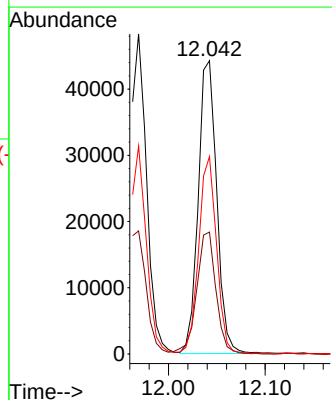
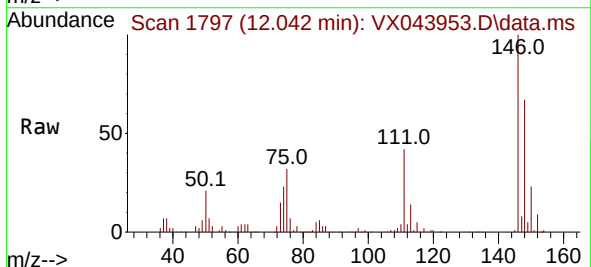
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

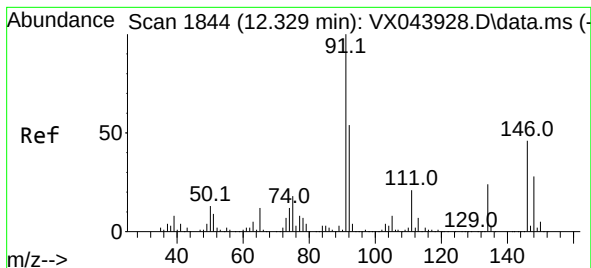
Tgt Ion:146 Resp: 59626  
Ion Ratio Lower Upper  
146 100  
111 40.8 21.1 63.3  
148 63.1 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 19.988 ug/l  
RT: 12.042 min Scan# 1797  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion:146 Resp: 58980  
Ion Ratio Lower Upper  
146 100  
111 43.5 20.1 60.3  
148 65.5 30.9 92.8





#89

n-Butylbenzene

Concen: 20.917 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

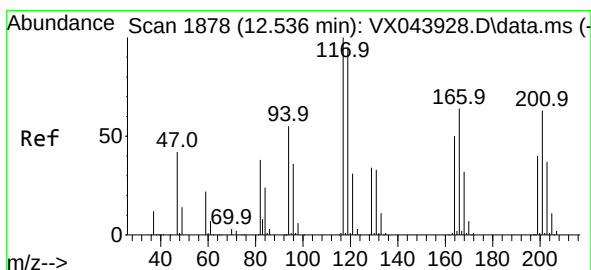
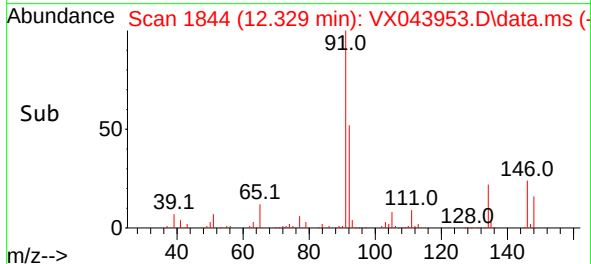
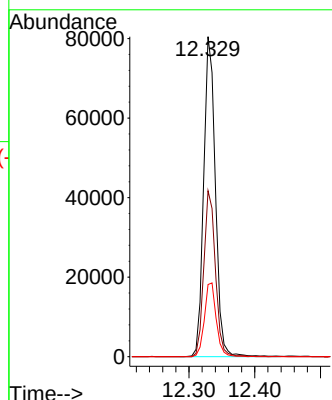
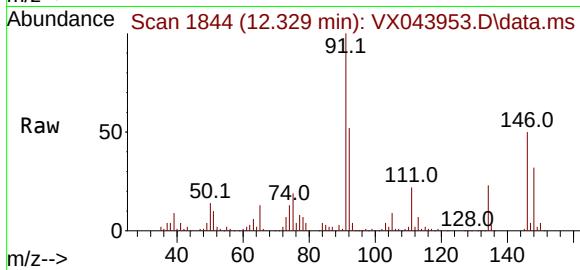
Tgt Ion: 91 Resp: 99700

Ion Ratio Lower Upper

91 100

92 51.3 26.6 79.8

134 23.3 12.4 37.2



#90

Hexachloroethane

Concen: 18.732 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043953.D

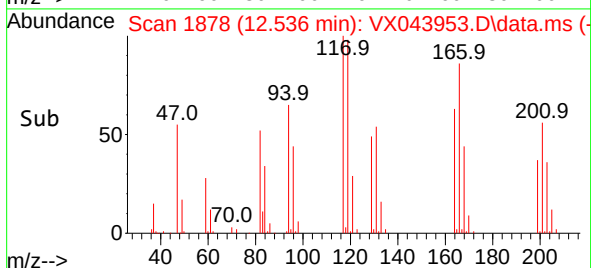
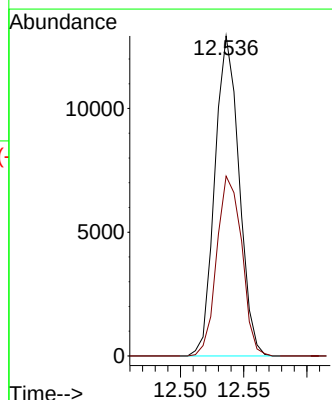
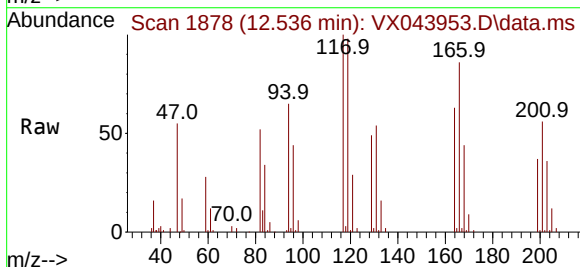
Acq: 22 Nov 2024 12:36

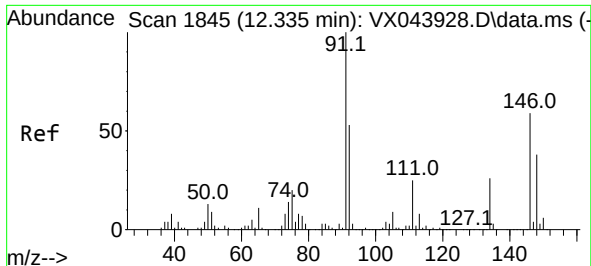
Tgt Ion: 117 Resp: 17220

Ion Ratio Lower Upper

117 100

201 57.9 32.4 97.0

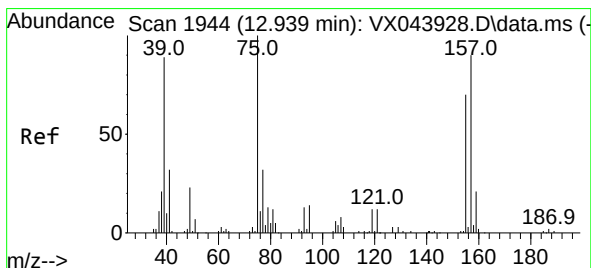
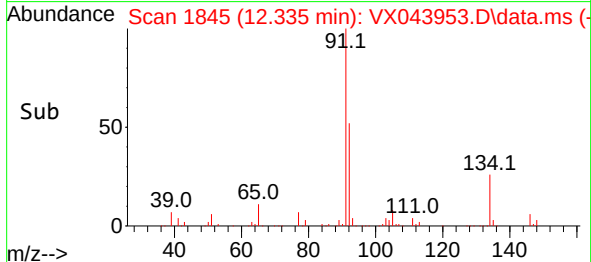
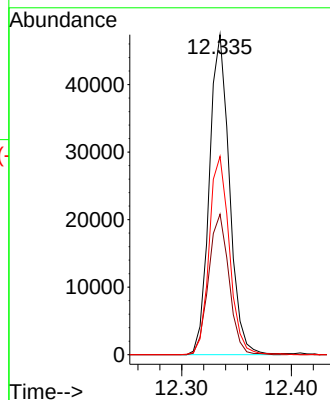
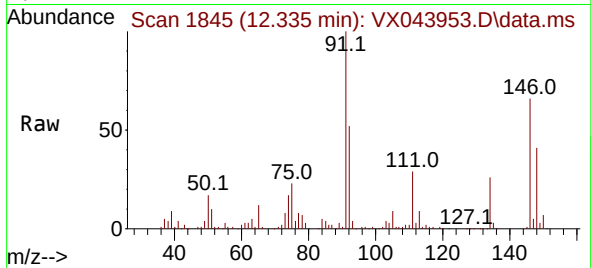




#91  
1,2-Dichlorobenzene  
Concen: 20.654 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

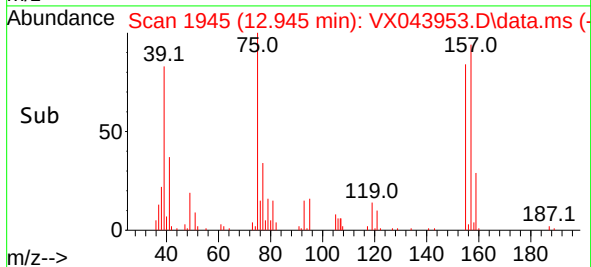
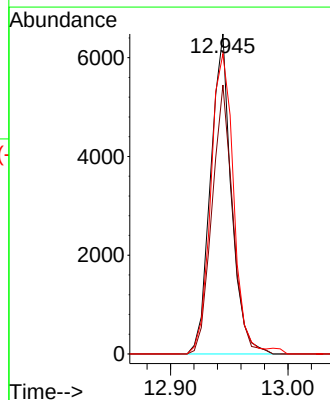
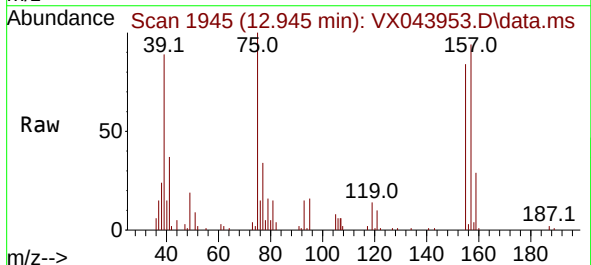
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBS01

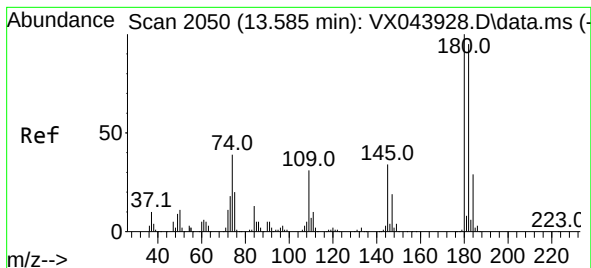
Tgt Ion:146 Resp: 60326  
Ion Ratio Lower Upper  
146 100  
111 44.6 21.5 64.5  
148 62.5 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.368 ug/l  
RT: 12.945 min Scan# 1945  
Delta R.T. 0.006 min  
Lab File: VX043953.D  
Acq: 22 Nov 2024 12:36

Tgt Ion: 75 Resp: 7938  
Ion Ratio Lower Upper  
75 100  
155 84.4 40.1 120.2  
157 103.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 19.521 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

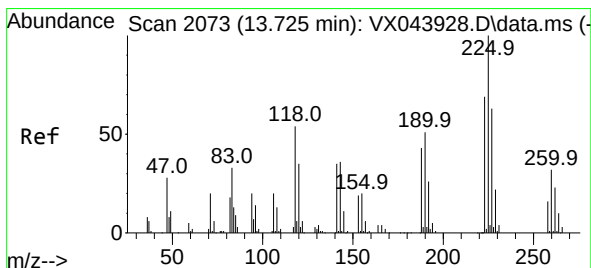
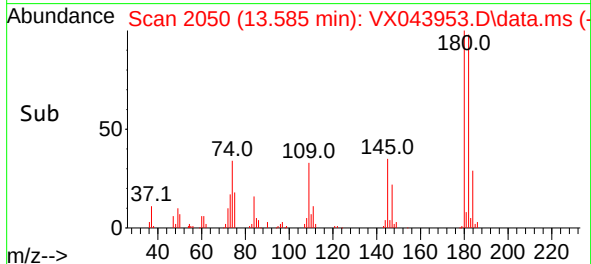
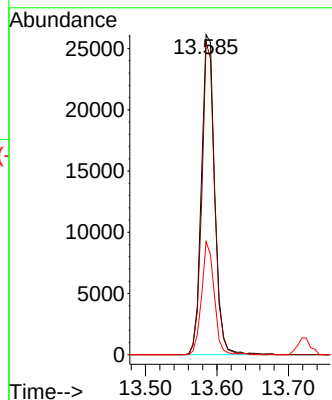
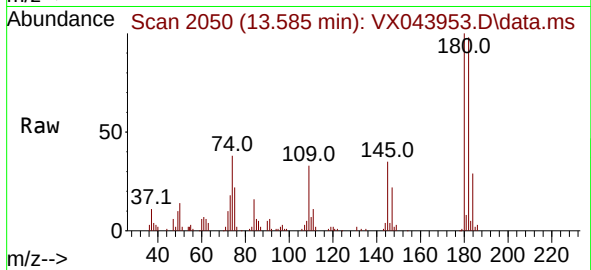
Tgt Ion:180 Resp: 33614

Ion Ratio Lower Upper

180 100

182 94.0 48.0 144.2

145 33.6 16.8 50.4



#94

Hexachlorobutadiene

Concen: 19.782 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

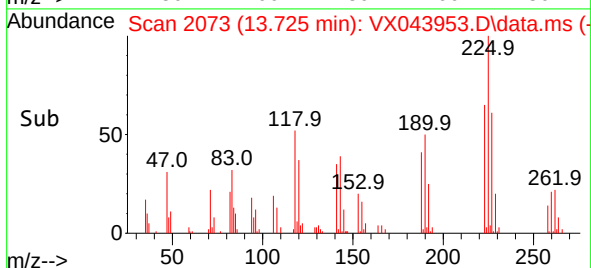
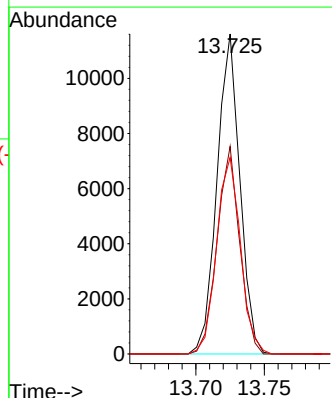
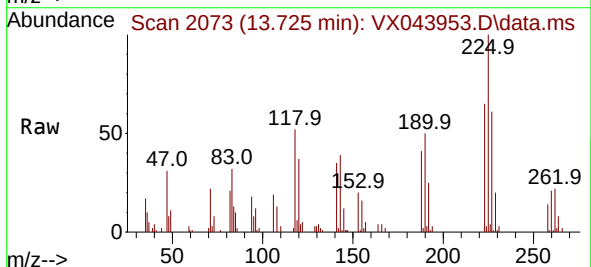
Tgt Ion:225 Resp: 13463

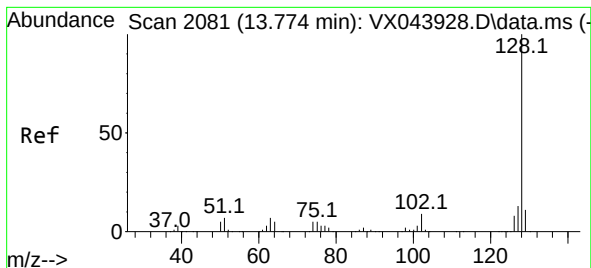
Ion Ratio Lower Upper

225 100

223 63.8 32.9 98.6

227 64.2 31.6 94.8





#95

Naphthalene

Concen: 20.050 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBS01

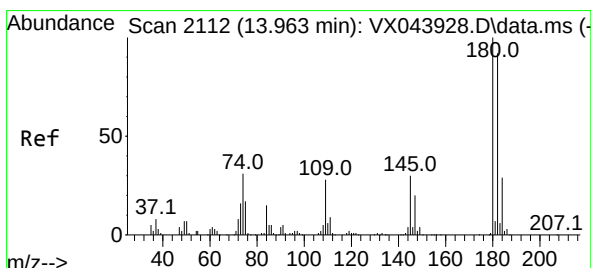
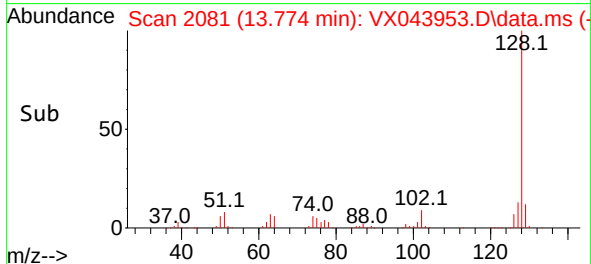
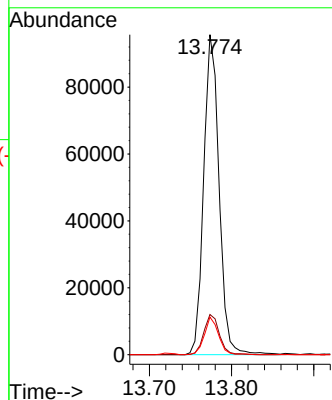
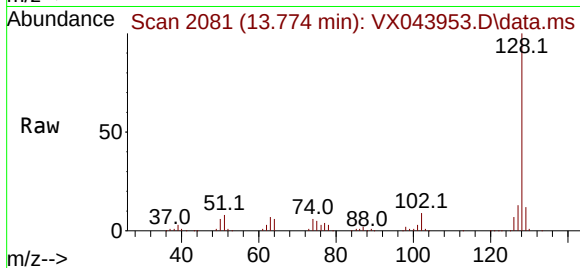
Tgt Ion:128 Resp: 124279

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 20.203 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. -0.000 min

Lab File: VX043953.D

Acq: 22 Nov 2024 12:36

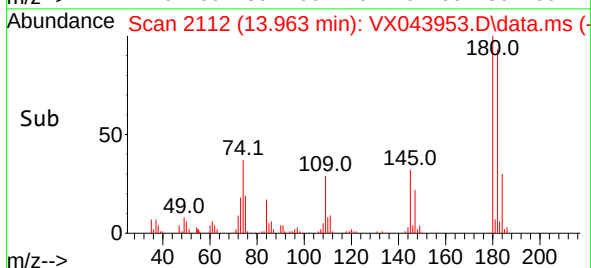
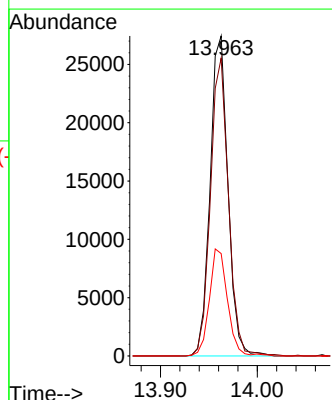
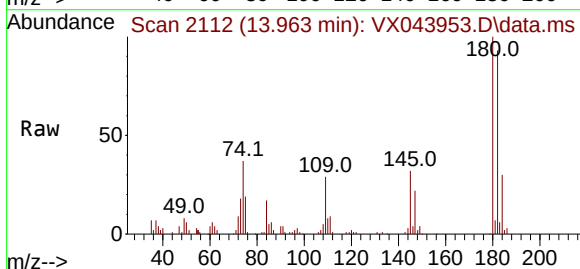
Tgt Ion:180 Resp: 35212

Ion Ratio Lower Upper

180 100

182 94.1 45.6 136.8

145 34.1 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043954.D  
 Acq On : 22 Nov 2024 13:02  
 Operator : JC/MD  
 Sample : VX1122WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

Quant Time: Nov 22 22:20:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|-------|----------|
| -----                        |           |       |          |          |       |          |
| Internal Standards           |           |       |          |          |       |          |
| 1) Pentafluorobenzene        | 5.544     | 168   | 109076   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757     | 114   | 195872   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5         | 10.055    | 117   | 171011   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018    | 152   | 79397    | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds  |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4    | 5.952     | 65    | 100196   | 53.557   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 74 - 125 | Recovery | =     | 107.120% |
| 35) Dibromofluoromethane     | 5.385     | 113   | 72137    | 51.541   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | =     | 103.080% |
| 50) Toluene-d8               | 8.647     | 98    | 250635   | 51.950   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 86 - 113 | Recovery | =     | 103.900% |
| 62) 4-Bromofluorobenzene     | 11.079    | 95    | 86479    | 52.669   | ug/l  | 0.00     |
| Spiked Amount                | 50.000    | Range | 77 - 121 | Recovery | =     | 105.340% |
| Target Compounds             |           |       |          |          |       | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166     | 85    | 27785    | 20.108   | ug/l  | 96       |
| 3) Chloromethane             | 1.294     | 50    | 29728    | 20.444   | ug/l  | 96       |
| 4) Vinyl Chloride            | 1.374     | 62    | 31592    | 20.426   | ug/l  | 97       |
| 5) Bromomethane              | 1.599     | 94    | 20295    | 21.330   | ug/l  | 99       |
| 6) Chloroethane              | 1.666     | 64    | 21360    | 22.665   | ug/l  | 94       |
| 7) Trichlorofluoromethane    | 1.867     | 101   | 60353    | 21.826   | ug/l  | 100      |
| 8) Diethyl Ether             | 2.136     | 74    | 21147    | 20.982   | ug/l  | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319     | 101   | 27774    | 21.057   | ug/l  | 98       |
| 10) Methyl Iodide            | 2.447     | 142   | 32944    | 19.998   | ug/l  | 97       |
| 11) Tert butyl alcohol       | 2.995     | 59    | 29700    | 98.905   | ug/l  | 98       |
| 12) 1,1-Dichloroethene       | 2.306     | 96    | 24194    | 19.249   | ug/l  | 86       |
| 13) Acrolein                 | 2.233     | 56    | 33008    | 104.286  | ug/l  | 99       |
| 14) Allyl chloride           | 2.660     | 41    | 42147    | 20.522   | ug/l  | 97       |
| 15) Acrylonitrile            | 3.062     | 53    | 79030    | 107.997  | ug/l  | 98       |
| 16) Acetone                  | 2.386     | 43    | 86367    | 100.513  | ug/l  | 98       |
| 17) Carbon Disulfide         | 2.501     | 76    | 43889    | 16.929   | ug/l  | 98       |
| 18) Methyl Acetate           | 2.703     | 43    | 43057    | 21.518   | ug/l  | 99       |
| 19) Methyl tert-butyl Ether  | 3.111     | 73    | 98693    | 21.626   | ug/l  | 100      |
| 20) Methylene Chloride       | 2.782     | 84    | 29543    | 20.260   | ug/l  | 96       |
| 21) trans-1,2-Dichloroethene | 3.081     | 96    | 26401    | 20.345   | ug/l  | 95       |
| 22) Diisopropyl ether        | 3.763     | 45    | 94170    | 21.444   | ug/l  | 98       |
| 23) Vinyl Acetate            | 3.721     | 43    | 408506   | 108.742  | ug/l  | 99       |
| 24) 1,1-Dichloroethane       | 3.599     | 63    | 52345    | 20.662   | ug/l  | 99       |
| 25) 2-Butanone               | 4.562     | 43    | 119728   | 107.988  | ug/l  | 96       |
| 26) 2,2-Dichloropropane      | 4.465     | 77    | 46118    | 20.157   | ug/l  | 98       |
| 27) cis-1,2-Dichloroethene   | 4.483     | 96    | 32647    | 20.353   | ug/l  | 99       |
| 28) Bromochloromethane       | 4.891     | 49    | 22133    | 19.848   | ug/l  | 99       |
| 29) Tetrahydrofuran          | 5.001     | 42    | 74565    | 109.701  | ug/l  | 99       |
| 30) Chloroform               | 5.086     | 83    | 58065    | 21.310   | ug/l  | 97       |
| 31) Cyclohexane              | 5.458     | 56    | 43641    | 20.930   | ug/l  | 96       |
| 32) 1,1,1-Trichloroethane    | 5.367     | 97    | 48619    | 20.691   | ug/l  | 99       |
| 36) 1,1-Dichloropropene      | 5.684     | 75    | 35764    | 20.506   | ug/l  | 99       |
| 37) Ethyl Acetate            | 4.714     | 43    | 47085    | 21.749   | ug/l  | 99       |
| 38) Carbon Tetrachloride     | 5.665     | 117   | 39037    | 19.920   | ug/l  | 99       |
| 39) Methylcyclohexane        | 7.373     | 83    | 46390    | 20.474   | ug/l  | 92       |
| 40) Benzene                  | 6.031     | 78    | 112619   | 20.730   | ug/l  | 96       |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043954.D  
 Acq On : 22 Nov 2024 13:02  
 Operator : JC/MD  
 Sample : VX1122WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

Quant Time: Nov 22 22:20:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 22859    | 20.630  | ug/l # | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 46195    | 21.172  | ug/l   | 97       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 74632    | 21.661  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 26781    | 17.414  | ug/l   | 90       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 28429    | 21.366  | ug/l   | 93       |
| 46) Dibromomethane            | 7.580  | 93   | 22603    | 21.475  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 38744    | 20.524  | ug/l   | 96       |
| 48) Methyl methacrylate       | 7.696  | 41   | 34130    | 20.644  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10534    | 357.698 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 236829   | 112.638 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 69441    | 21.356  | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 39050    | 20.285  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 43430    | 20.580  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 27781    | 20.697  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 44109    | 21.098  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 49838    | 22.042  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 112089   | 97.143  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.433  | 43   | 174736   | 110.568 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 25683    | 19.071  | ug/l   | 95       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 29772    | 21.936  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 23366    | 20.722  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 74928    | 19.949  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 24536    | 20.143  | ug/l   | 96       |
| 67) Ethyl Benzene             | 10.189 | 91   | 130020   | 20.429  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 97028    | 40.881  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 48479    | 20.920  | ug/l   | 99       |
| 70) Styrene                   | 10.652 | 104  | 78583    | 20.503  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 14931    | 17.533  | ug/l # | 95       |
| 73) Isopropylbenzene          | 10.963 | 105  | 125832   | 20.617  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 58504    | 20.692  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 45786    | 21.909  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 47712    | 27.402  | ug/l   | 83       |
| 77) Bromobenzene              | 11.195 | 156  | 29411    | 20.201  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 141102   | 20.700  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 92095    | 21.366  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 105010   | 20.914  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 10352    | 16.224  | ug/l # | 78       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 102553   | 21.075  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 104939   | 21.086  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 107681   | 21.541  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 124001   | 20.336  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 105513   | 21.303  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 53195    | 20.061  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 54275    | 20.076  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 89016    | 20.384  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 15072    | 17.895  | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 55361    | 20.688  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 8390     | 20.036  | ug/l   | 90       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 29761    | 18.864  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11821    | 18.958  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 117216   | 20.640  | ug/l   | 98       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 30581    | 19.151  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043954.D  
Acq On : 22 Nov 2024 13:02  
Operator : JC/MD  
Sample : VX1122WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

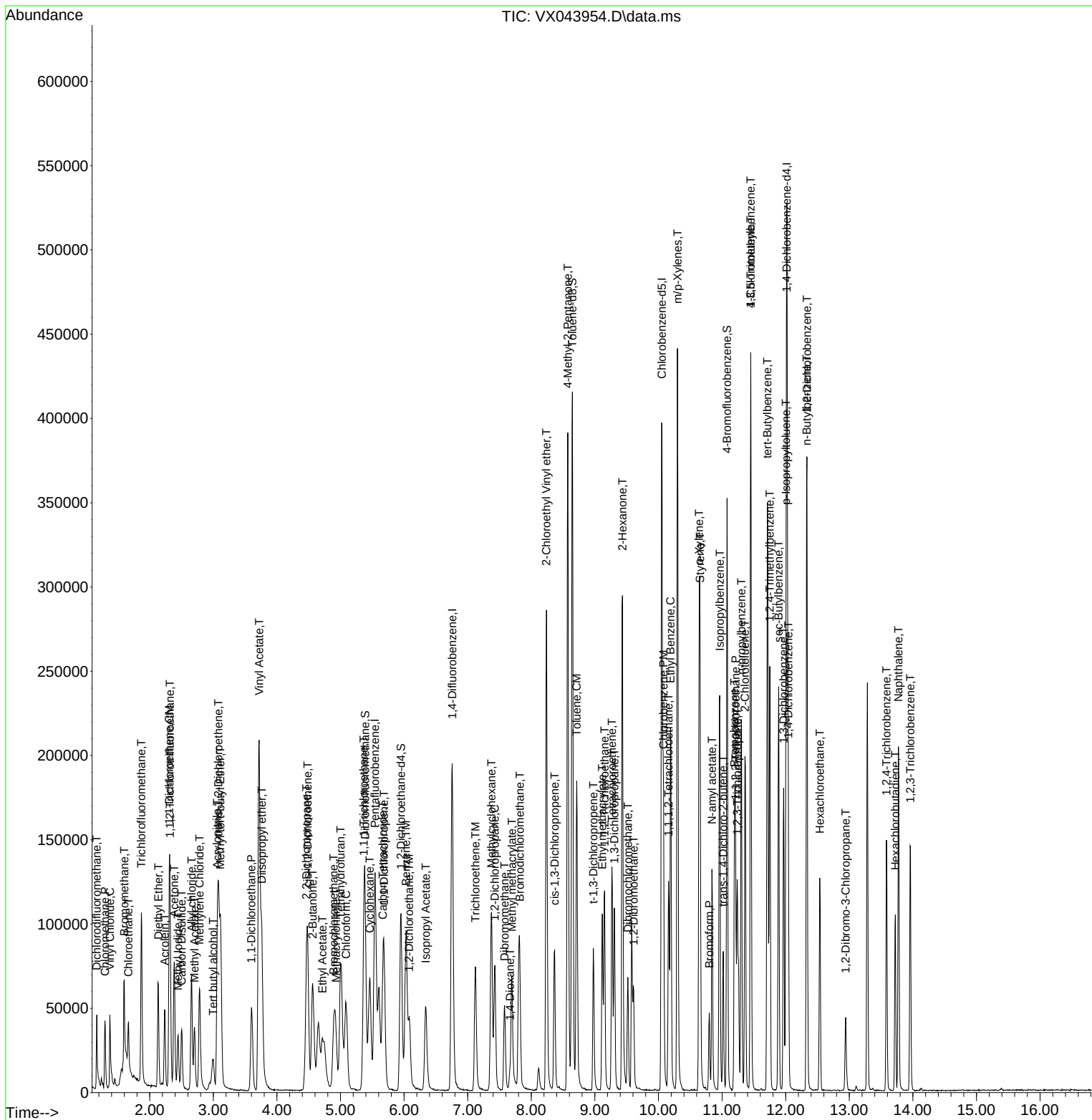
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

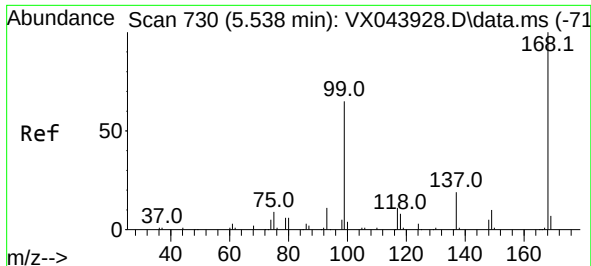
Quant Time: Nov 22 22:20:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

Quant Time: Nov 22 22:20:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

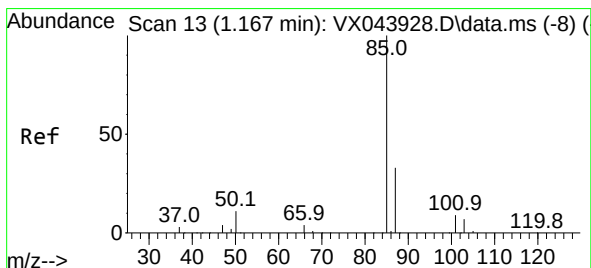
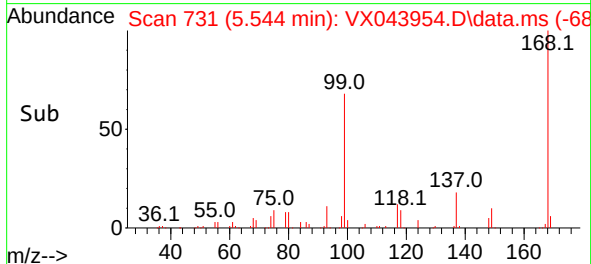
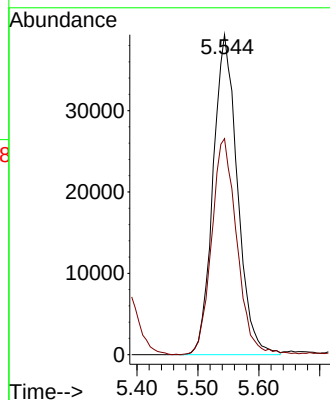
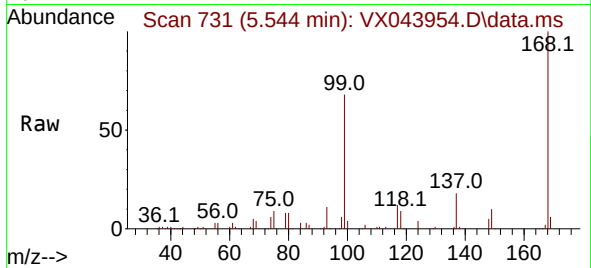




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

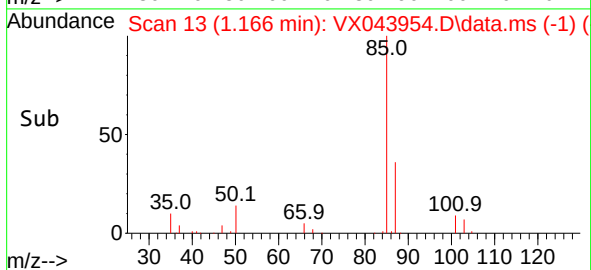
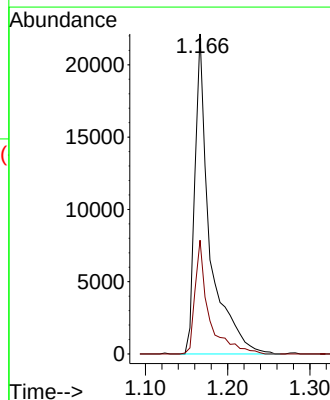
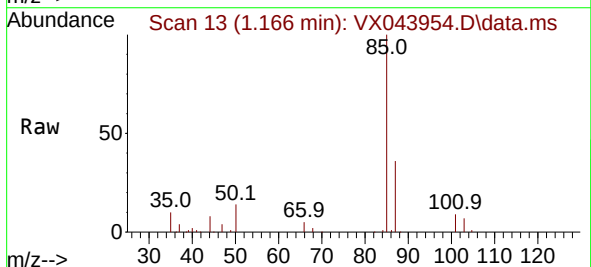
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

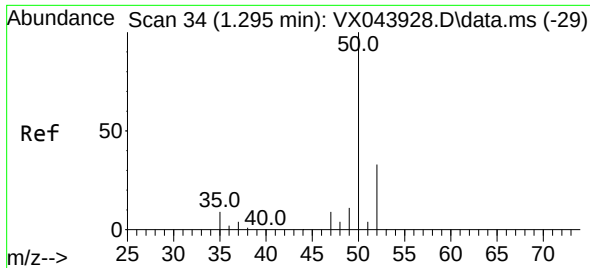
Tgt Ion:168 Resp: 109076  
Ion Ratio Lower Upper  
168 100  
99 67.5 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 20.108 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 85 Resp: 27785  
Ion Ratio Lower Upper  
85 100  
87 35.5 16.6 49.8

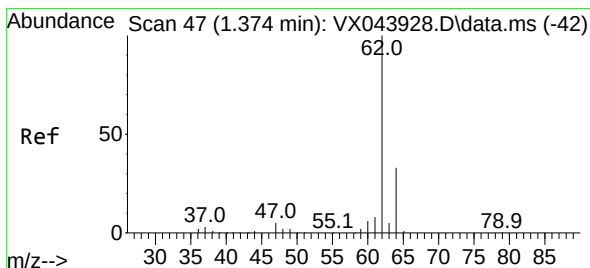
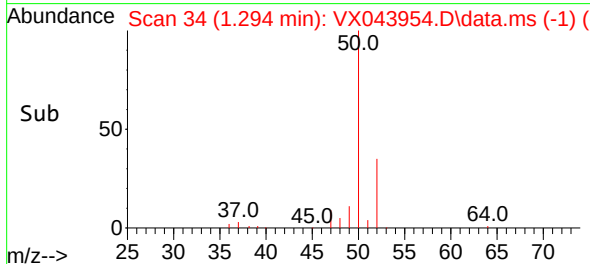
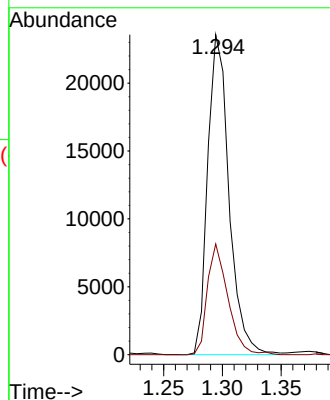
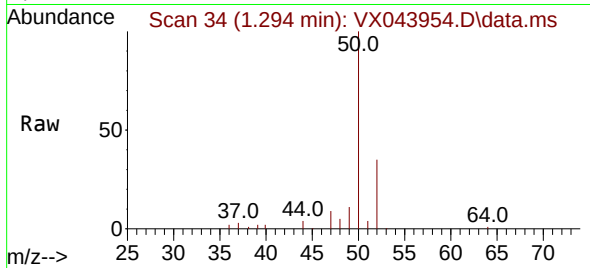




#3  
Chloromethane  
Concen: 20.444 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

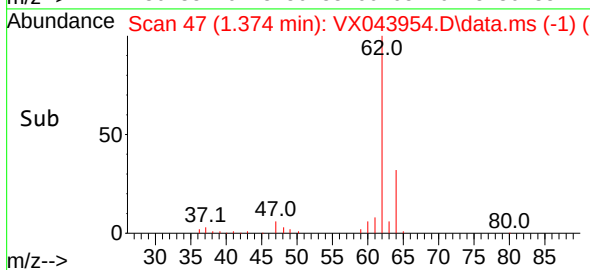
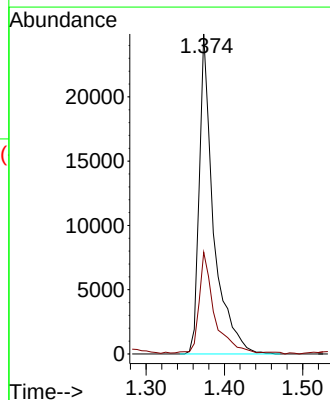
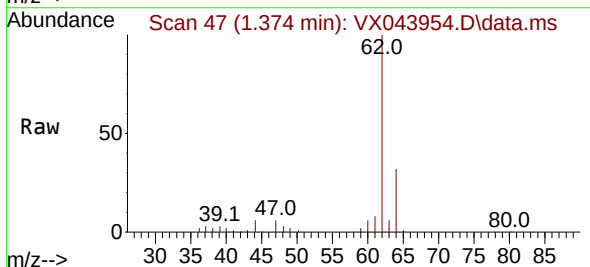
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

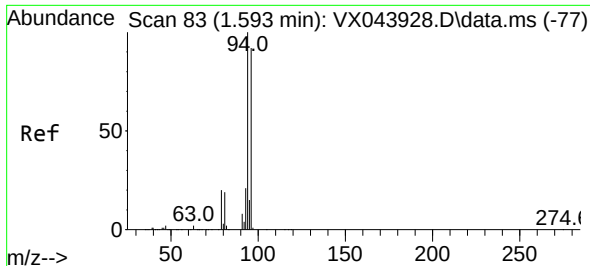
Tgt Ion: 50 Resp: 29728  
Ion Ratio Lower Upper  
50 100  
52 34.6 26.1 39.1



#4  
Vinyl Chloride  
Concen: 20.426 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 62 Resp: 31592  
Ion Ratio Lower Upper  
62 100  
64 31.3 26.2 39.4

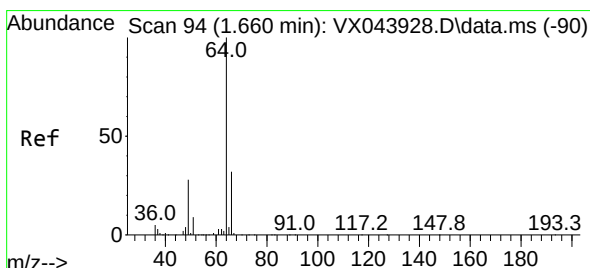
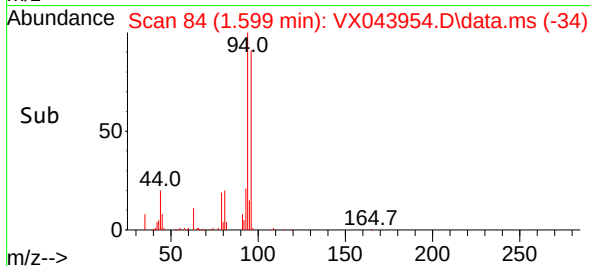
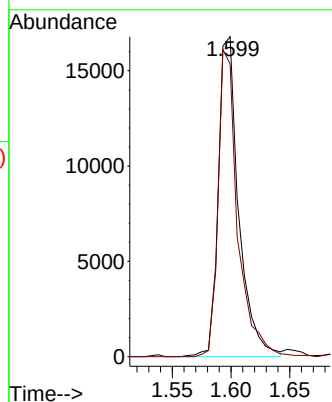
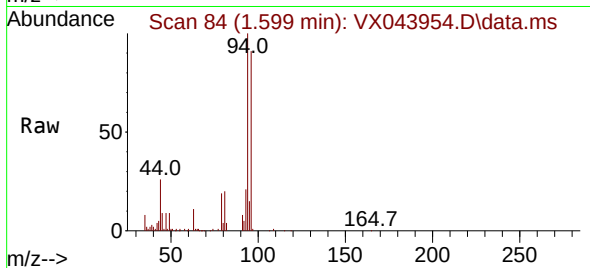




#5  
Bromomethane  
Concen: 21.330 ug/l  
RT: 1.599 min Scan# 84  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

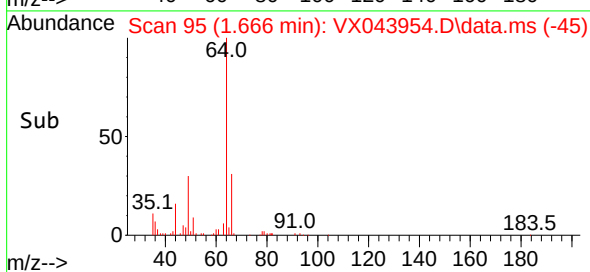
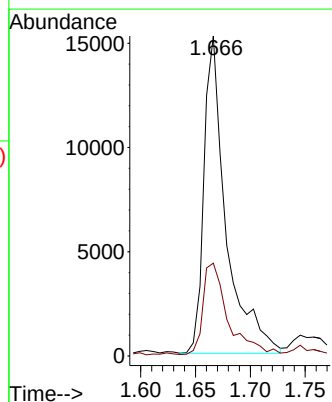
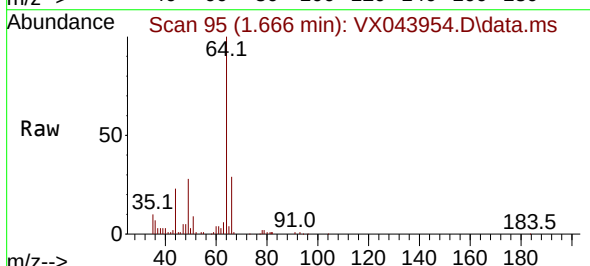
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

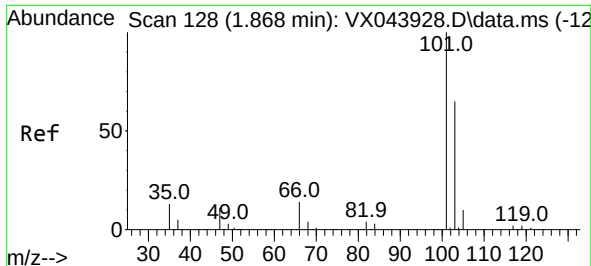
Tgt Ion: 94 Resp: 20295  
Ion Ratio Lower Upper  
94 100  
96 91.5 73.9 110.9



#6  
Chloroethane  
Concen: 22.665 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 64 Resp: 21360  
Ion Ratio Lower Upper  
64 100  
66 28.8 25.9 38.9

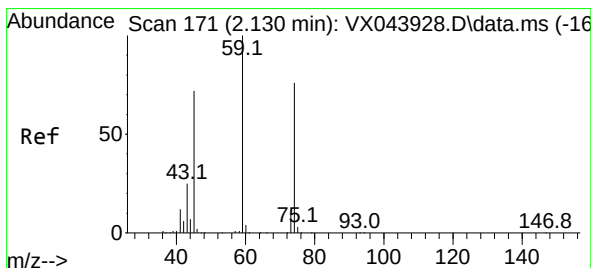
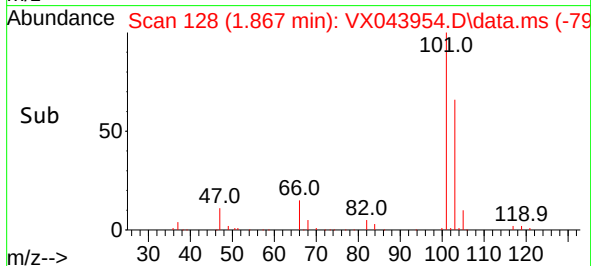
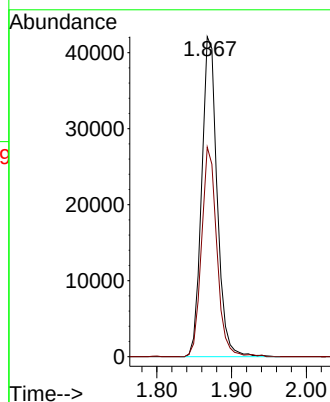
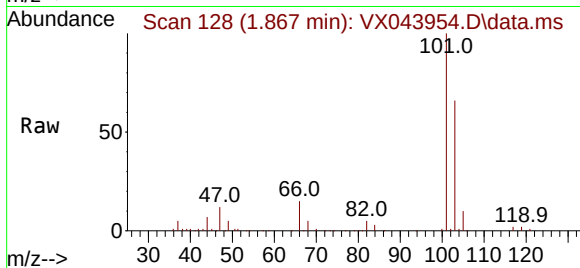




#7  
Trichlorofluoromethane  
Concen: 21.826 ug/l  
RT: 1.867 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

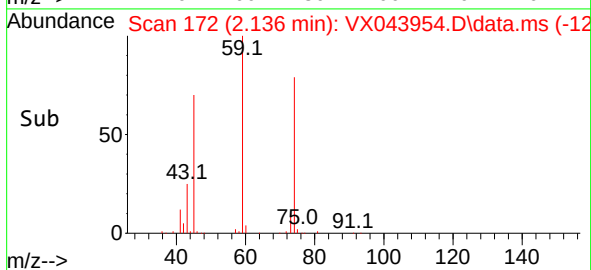
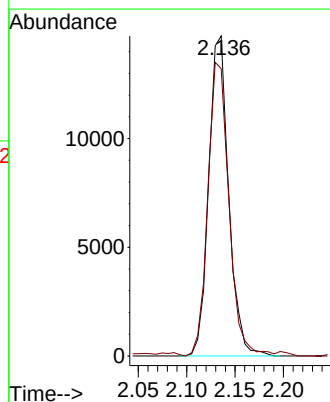
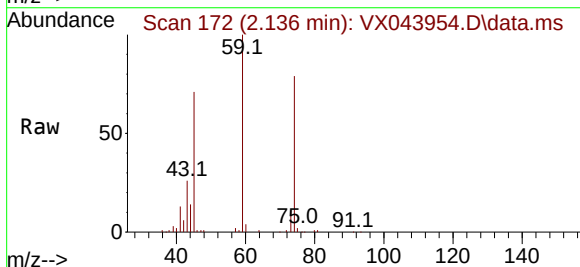
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

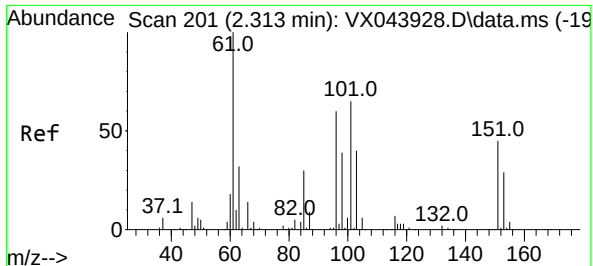
Tgt Ion:101 Resp: 60353  
Ion Ratio Lower Upper  
101 100  
103 65.5 52.2 78.2



#8  
Diethyl Ether  
Concen: 20.982 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 74 Resp: 21147  
Ion Ratio Lower Upper  
74 100  
45 97.0 47.9 143.6

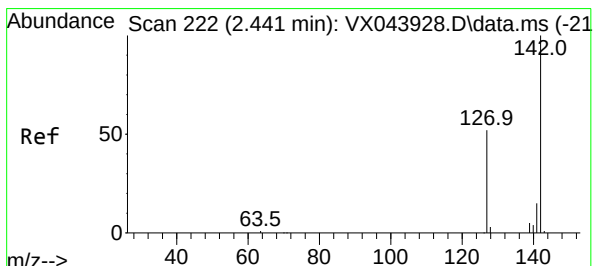
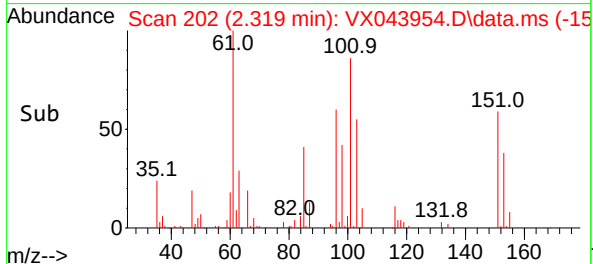
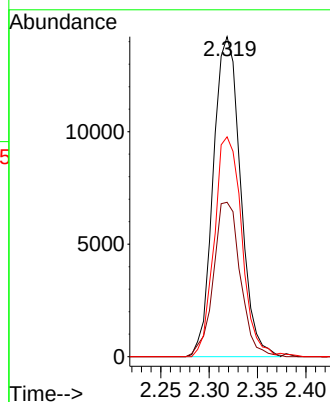
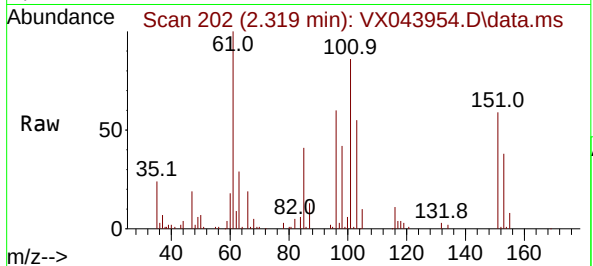




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 21.057 ug/l  
RT: 2.319 min Scan# 20  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

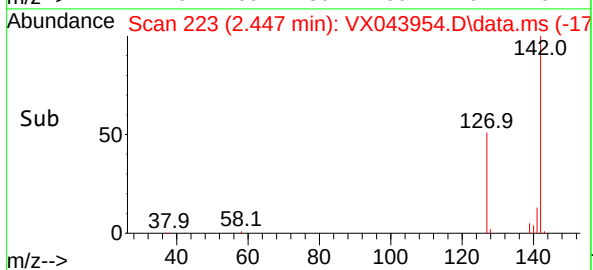
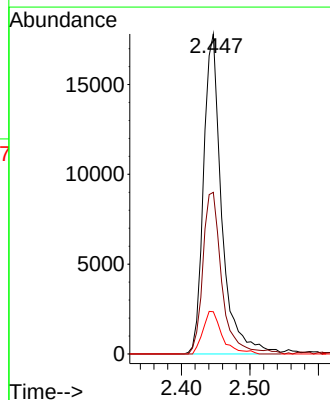
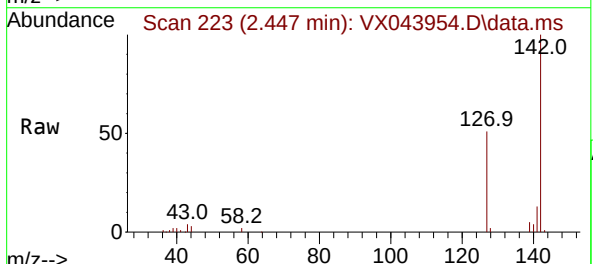
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MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

Tgt Ion:101 Resp: 27774  
Ion Ratio Lower Upper  
101 100  
85 47.8 37.9 56.9  
151 69.9 57.5 86.3

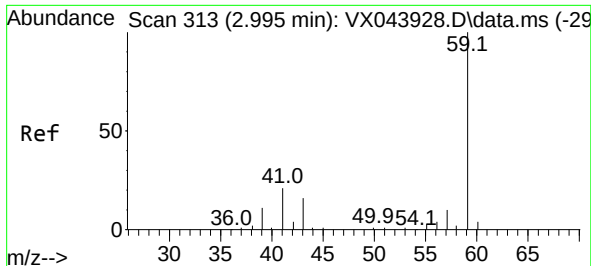


#10  
Methyl Iodide  
Concen: 19.998 ug/l  
RT: 2.447 min Scan# 223  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:142 Resp: 32944  
Ion Ratio Lower Upper  
142 100  
127 52.9 40.7 61.1  
141 14.1 12.0 18.0







#11

Tert butyl alcohol

Concen: 98.905 ug/l

RT: 2.995 min Scan# 313

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

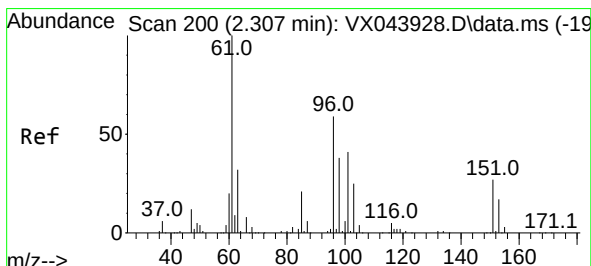
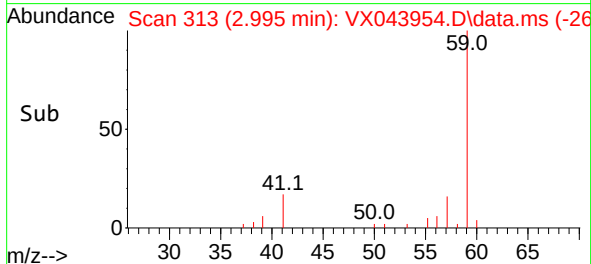
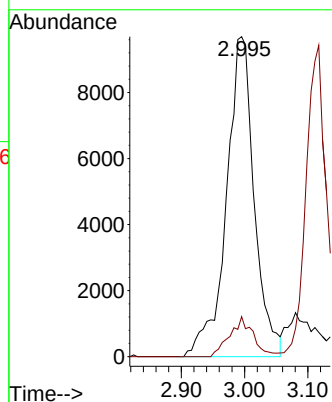
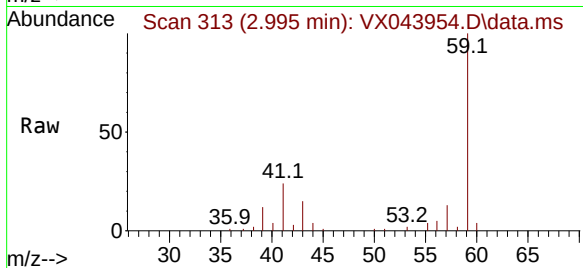
VX1122WBSD01

Tgt Ion: 59 Resp: 29700

Ion Ratio Lower Upper

59 100

57 10.5 7.9 11.9



#12

1,1-Dichloroethene

Concen: 19.249 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

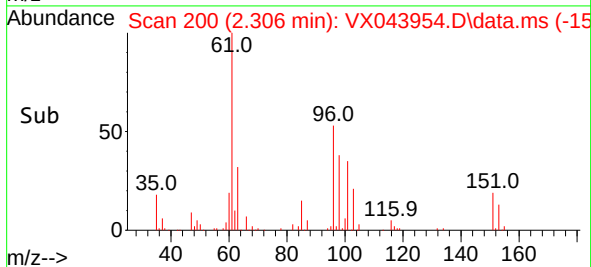
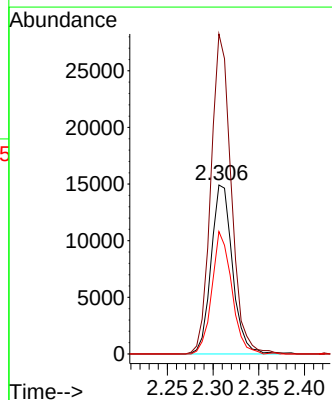
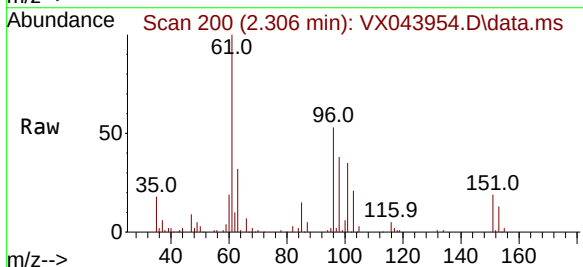
Tgt Ion: 96 Resp: 24194

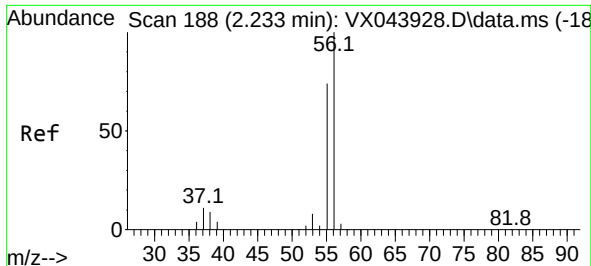
Ion Ratio Lower Upper

96 100

61 189.4 135.5 203.3

98 72.4 50.8 76.2

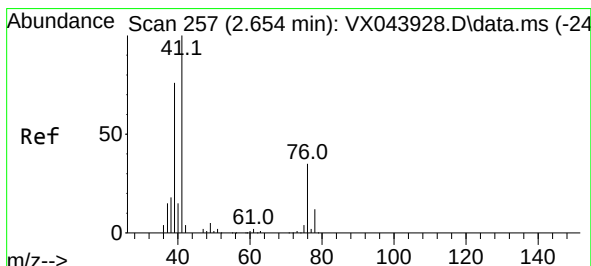
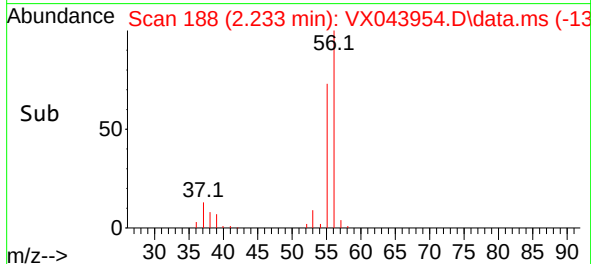
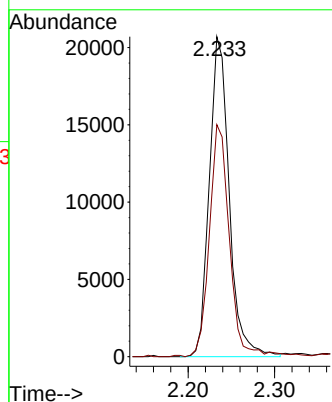
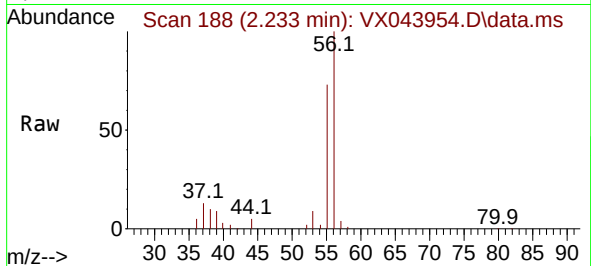




#13  
Acrolein  
Concen: 104.286 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

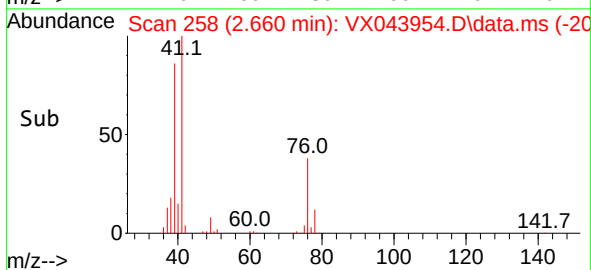
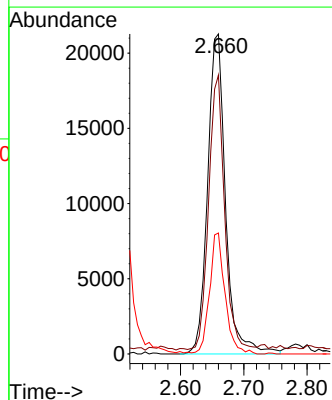
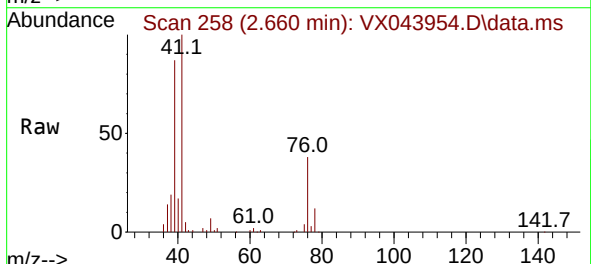
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

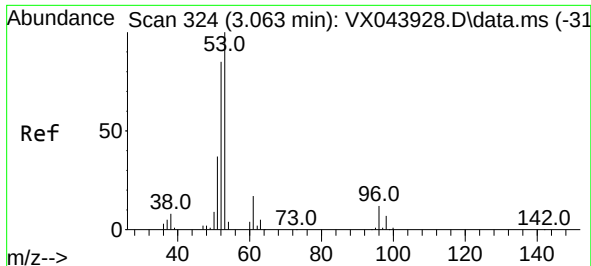
Tgt Ion: 56 Resp: 33008  
Ion Ratio Lower Upper  
56 100  
55 73.6 58.2 87.2



#14  
Allyl chloride  
Concen: 20.522 ug/l  
RT: 2.660 min Scan# 258  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 41 Resp: 42147  
Ion Ratio Lower Upper  
41 100  
39 76.3 59.5 89.3  
76 32.5 27.4 41.2





#15

Acrylonitrile

Concen: 107.997 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

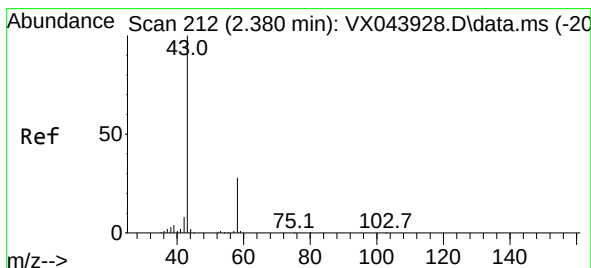
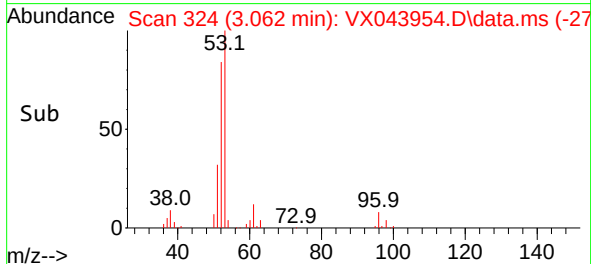
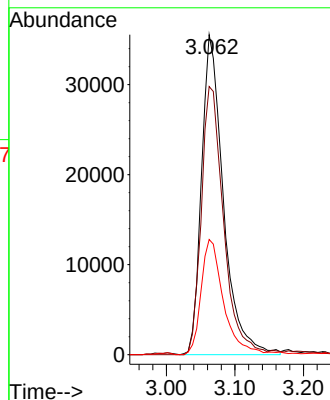
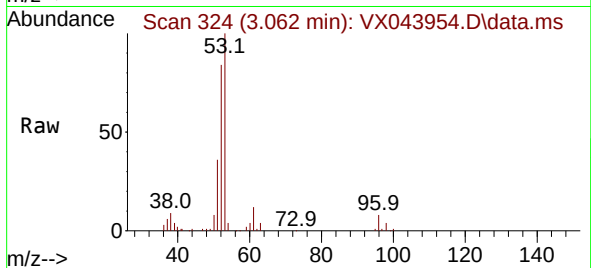
Tgt Ion: 53 Resp: 79030

Ion Ratio Lower Upper

53 100

52 85.0 66.5 99.7

51 36.9 30.2 45.4



#16

Acetone

Concen: 100.513 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX043954.D

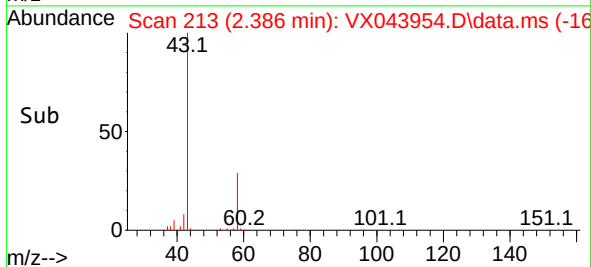
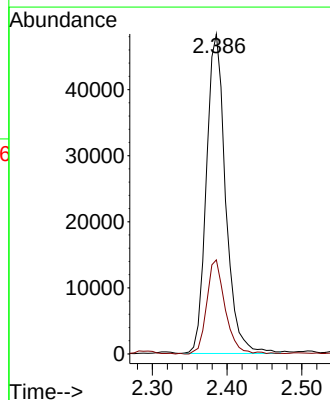
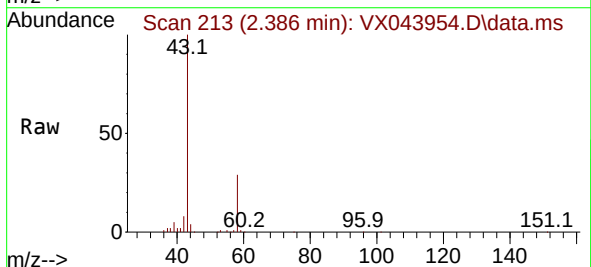
Acq: 22 Nov 2024 13:02

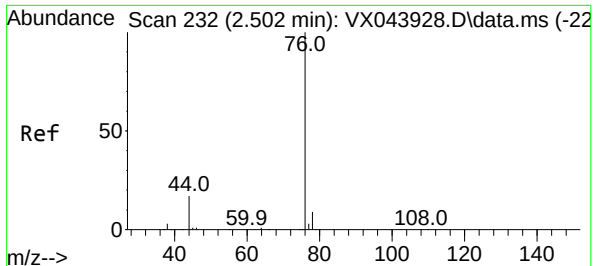
Tgt Ion: 43 Resp: 86367

Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1

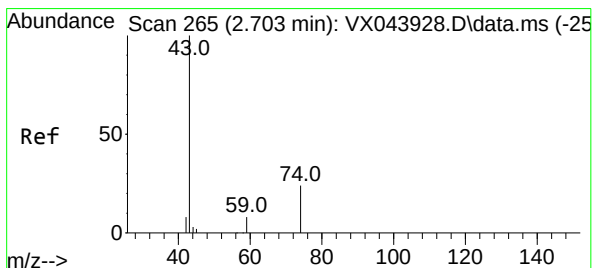
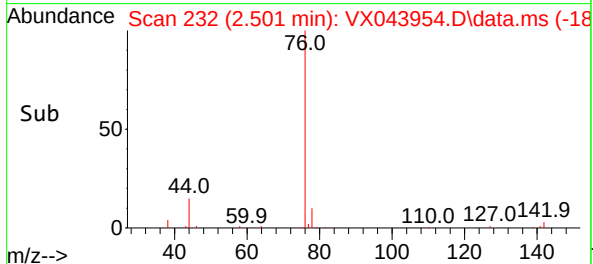
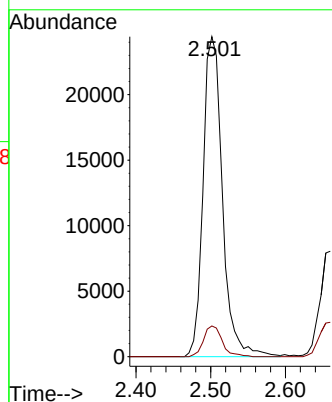
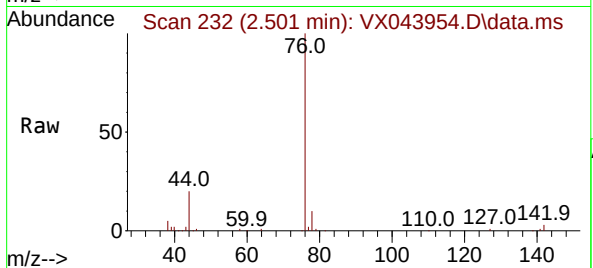




#17  
Carbon Disulfide  
Concen: 16.929 ug/l  
RT: 2.501 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

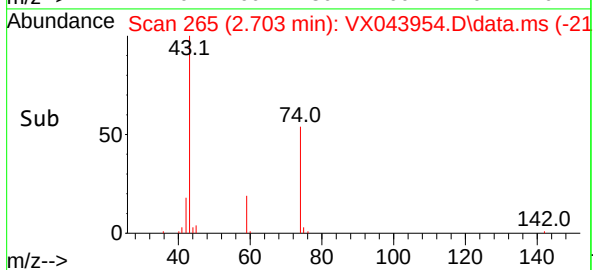
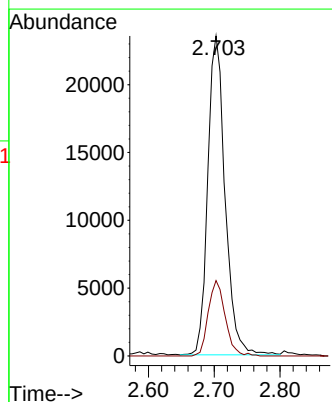
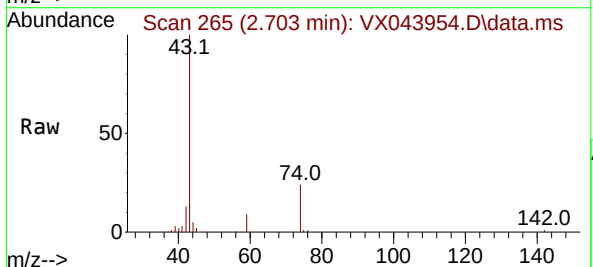
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

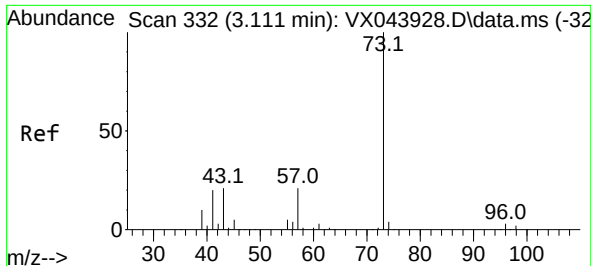
Tgt Ion: 76 Resp: 43889  
Ion Ratio Lower Upper  
76 100  
78 9.6 7.0 10.6



#18  
Methyl Acetate  
Concen: 21.518 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 43057  
Ion Ratio Lower Upper  
43 100  
74 23.2 18.9 28.3

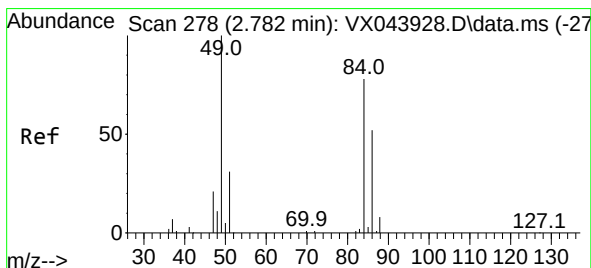
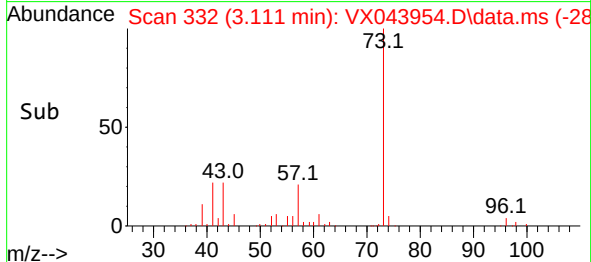
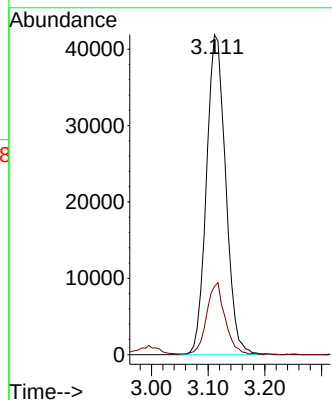
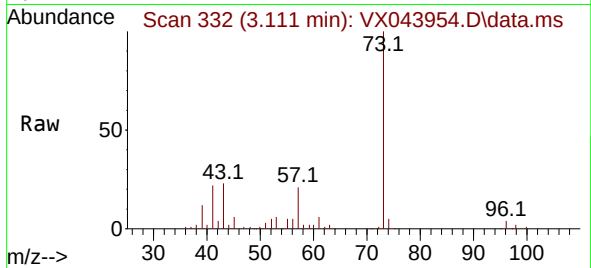




#19  
Methyl tert-butyl Ether  
Concen: 21.626 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

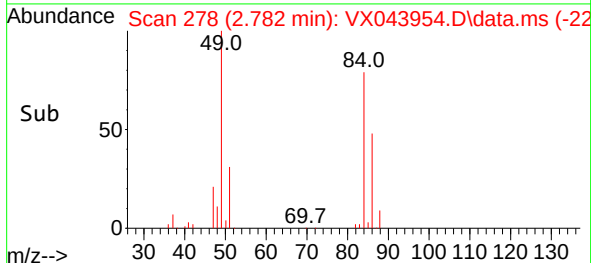
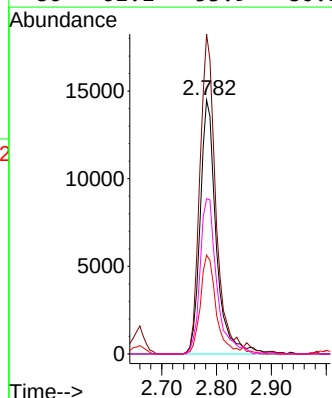
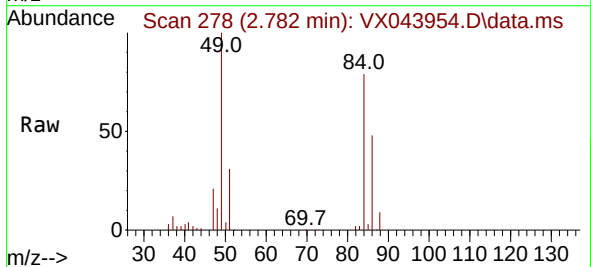
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

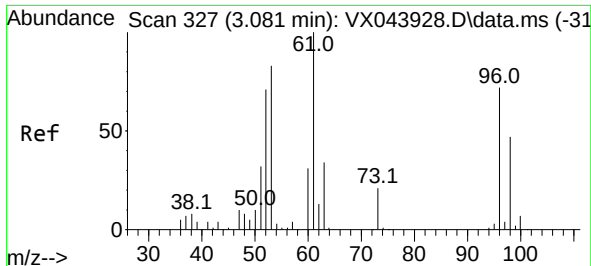
Tgt Ion: 73 Resp: 98693  
Ion Ratio Lower Upper  
73 100  
57 21.3 17.0 25.6



#20  
Methylene Chloride  
Concen: 20.260 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 84 Resp: 29543  
Ion Ratio Lower Upper  
84 100  
49 125.9 102.7 154.1  
51 38.9 31.7 47.5  
86 61.1 53.9 80.9

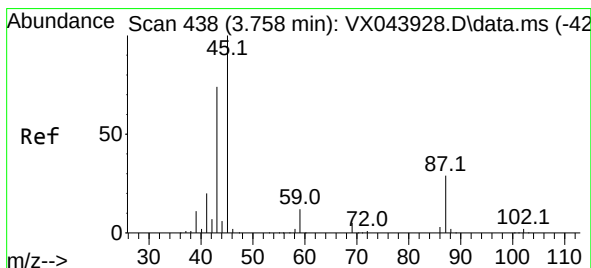
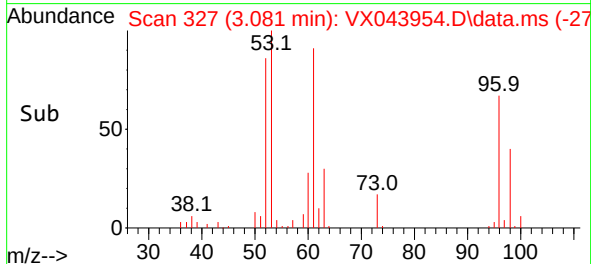
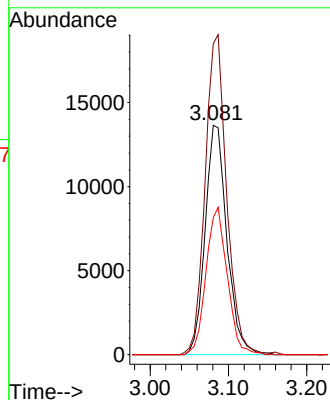
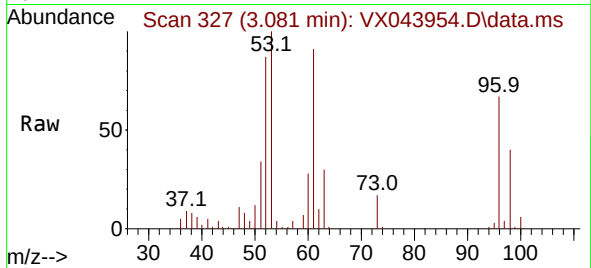




#21  
trans-1,2-Dichloroethene  
Concen: 20.345 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

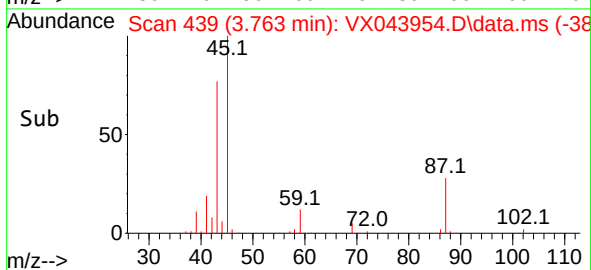
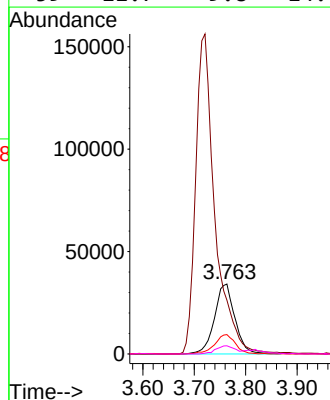
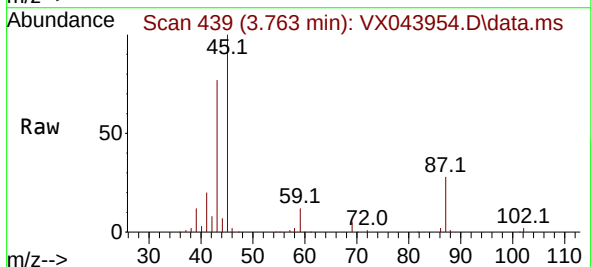
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

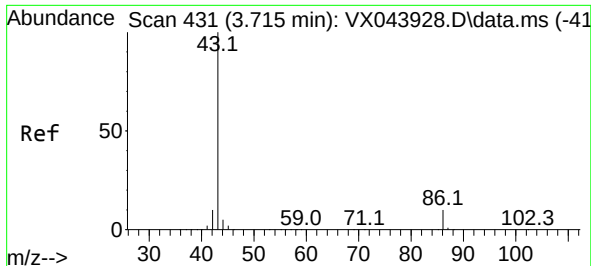
Tgt Ion: 96 Resp: 26401  
Ion Ratio Lower Upper  
96 100  
61 135.6 111.8 167.6  
98 59.8 52.7 79.1



#22  
Diisopropyl ether  
Concen: 21.444 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 45 Resp: 94170  
Ion Ratio Lower Upper  
45 100  
43 76.6 59.6 89.4  
87 27.6 22.9 34.3  
59 11.7 9.8 14.6

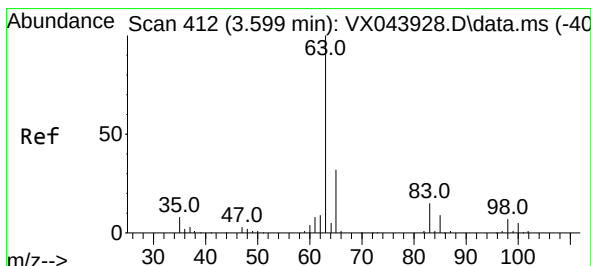
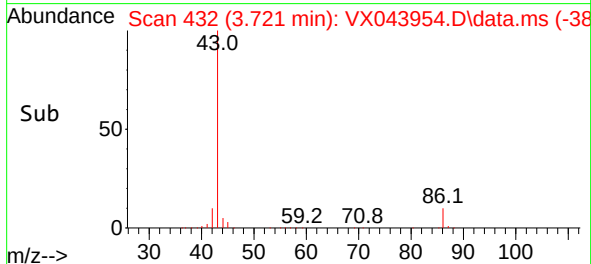
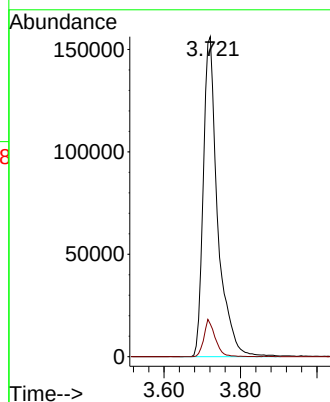
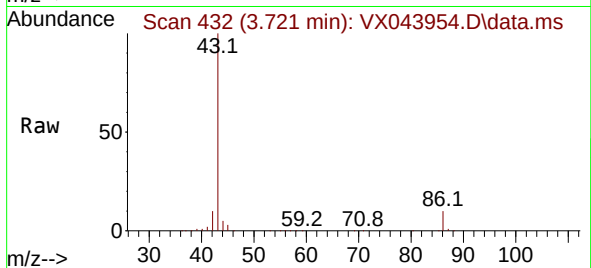




#23  
 Vinyl Acetate  
 Concen: 108.742 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX043954.D  
 Acq: 22 Nov 2024 13:02

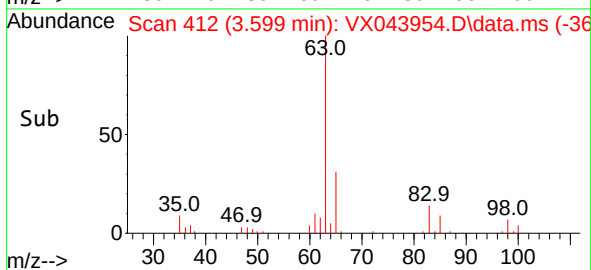
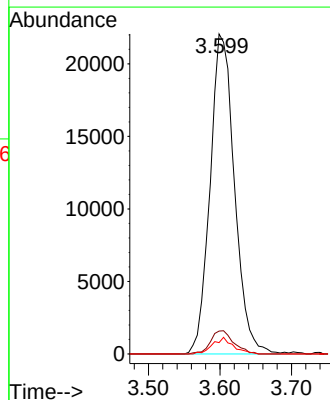
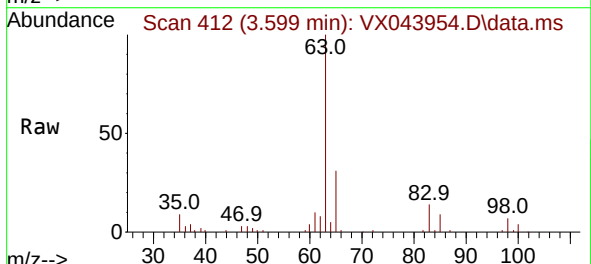
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

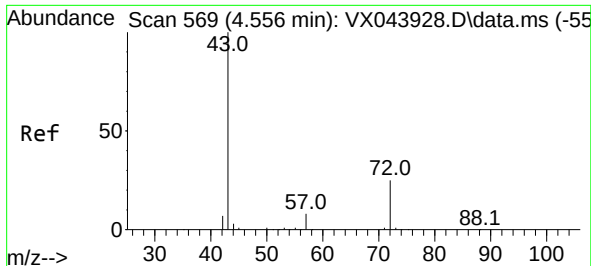
Tgt Ion: 43 Resp: 408506  
 Ion Ratio Lower Upper  
 43 100  
 86 10.2 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 20.662 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: VX043954.D  
 Acq: 22 Nov 2024 13:02

Tgt Ion: 63 Resp: 52345  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.6  
 100 3.6 2.4 7.1

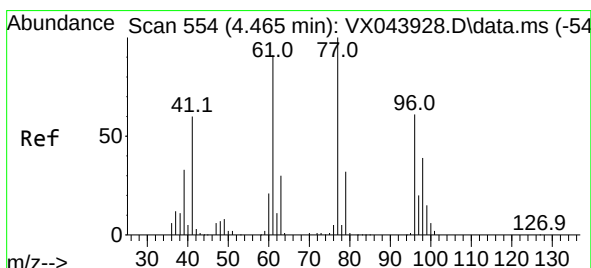
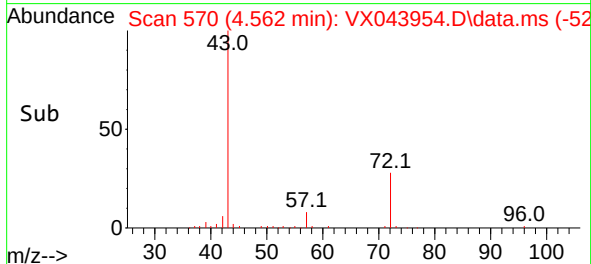
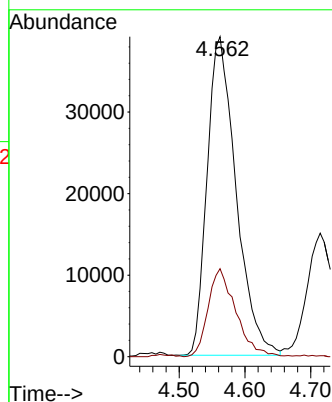
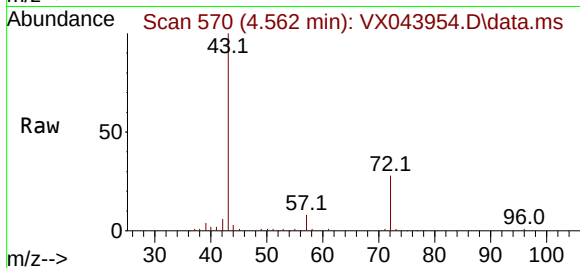




#25  
2-Butanone  
Concen: 107.988 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

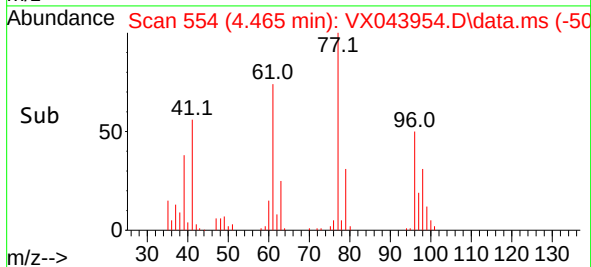
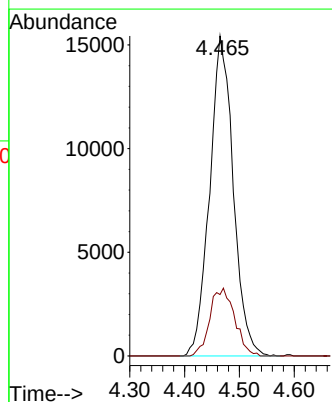
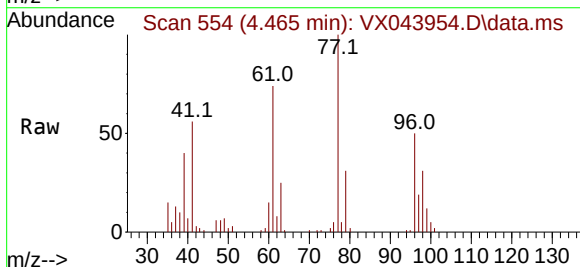
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

Tgt Ion: 43 Resp: 119728  
Ion Ratio Lower Upper  
43 100  
72 27.4 20.2 30.2

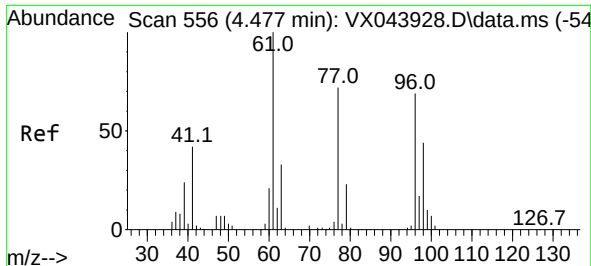


#26  
2,2-Dichloropropane  
Concen: 20.157 ug/l  
RT: 4.465 min Scan# 554  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 77 Resp: 46118  
Ion Ratio Lower Upper  
77 100  
97 22.3 10.8 32.3







#27

cis-1,2-Dichloroethene

Concen: 20.353 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

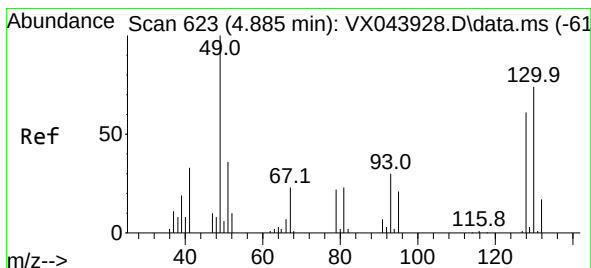
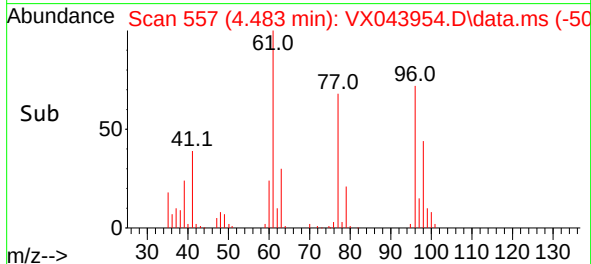
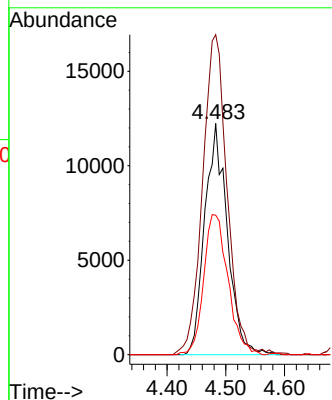
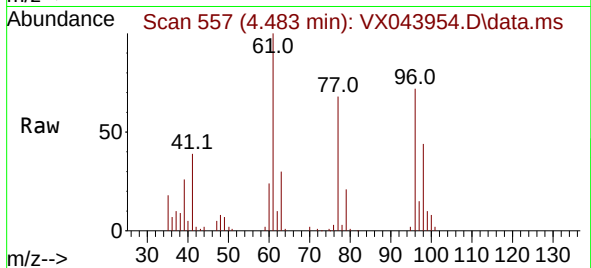
Tgt Ion: 96 Resp: 32647

Ion Ratio Lower Upper

96 100

61 150.3 0.0 297.4

98 65.3 0.0 127.8



#28

Bromochloromethane

Concen: 19.848 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

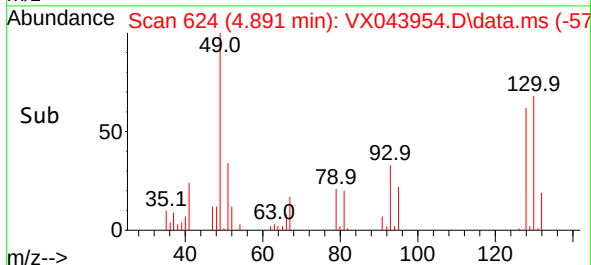
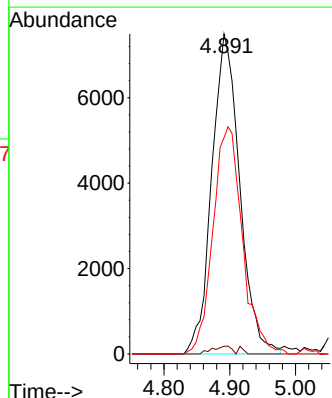
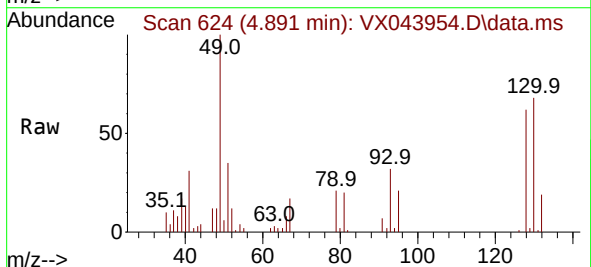
Tgt Ion: 49 Resp: 22133

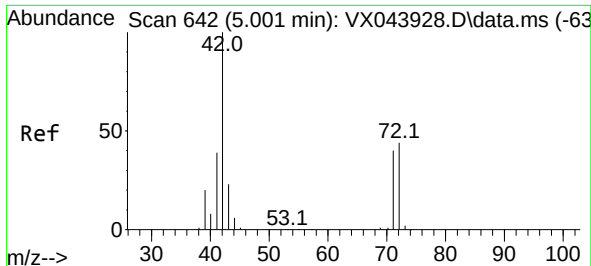
Ion Ratio Lower Upper

49 100

129 1.6 0.0 4.0

130 74.6 59.0 88.6





#29

Tetrahydrofuran

Concen: 109.701 ug/l

RT: 5.001 min Scan# 64

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

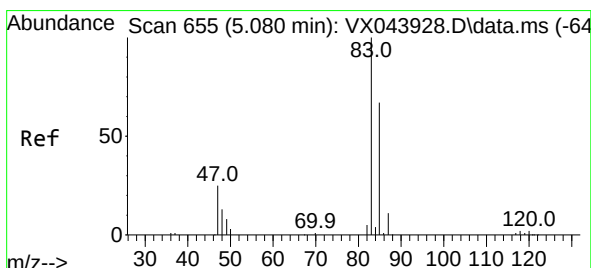
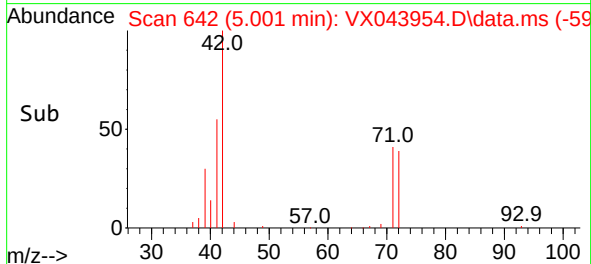
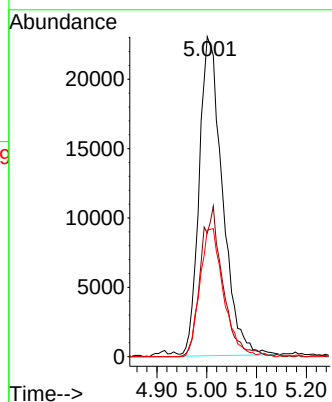
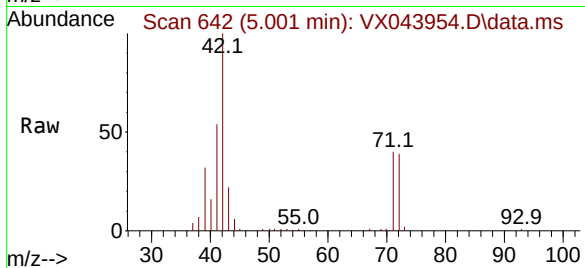
Tgt Ion: 42 Resp: 74565

Ion Ratio Lower Upper

42 100

72 45.0 36.4 54.6

71 40.9 33.4 50.0



#30

Chloroform

Concen: 21.310 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043954.D

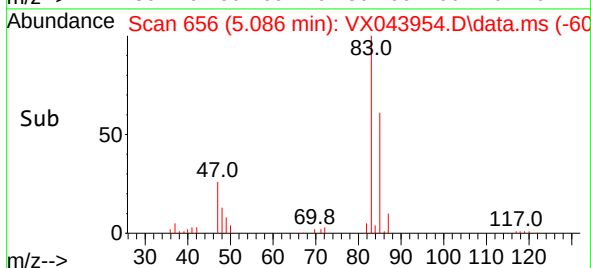
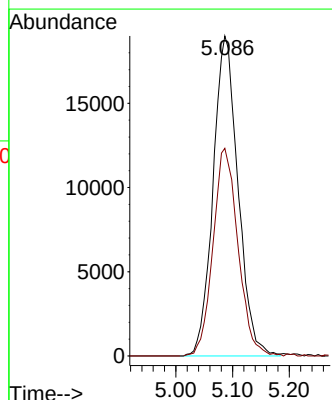
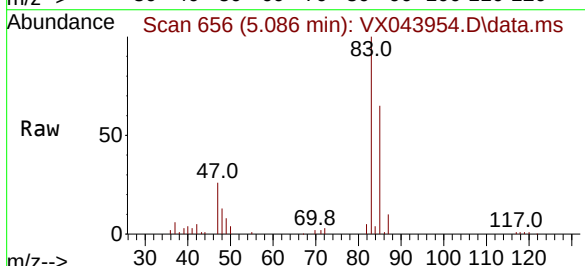
Acq: 22 Nov 2024 13:02

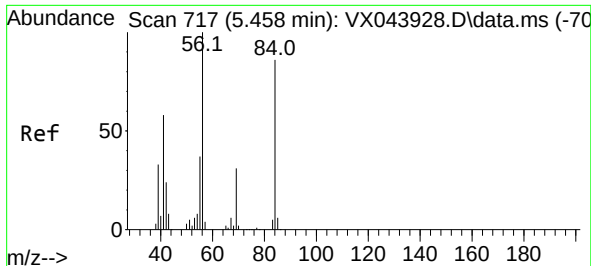
Tgt Ion: 83 Resp: 58065

Ion Ratio Lower Upper

83 100

85 64.9 53.5 80.3

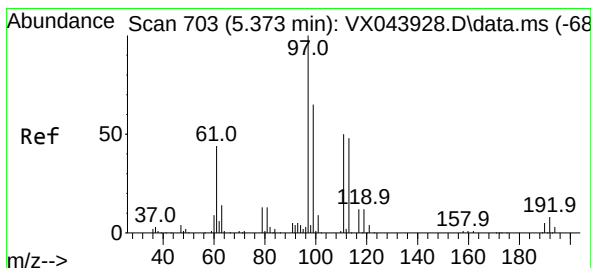
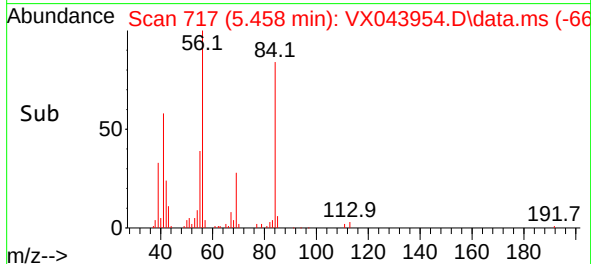
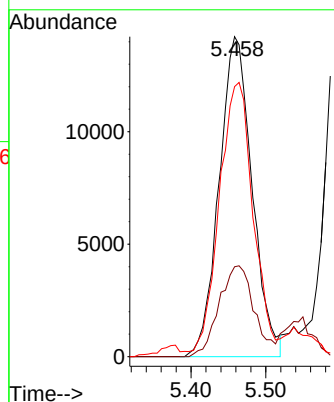
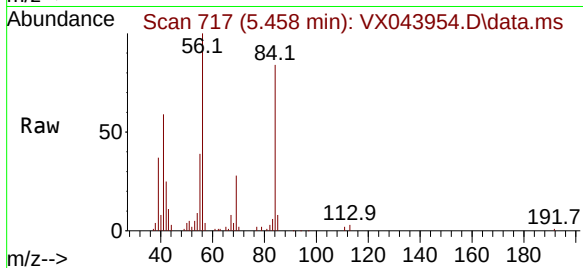




#31  
Cyclohexane  
Concen: 20.930 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

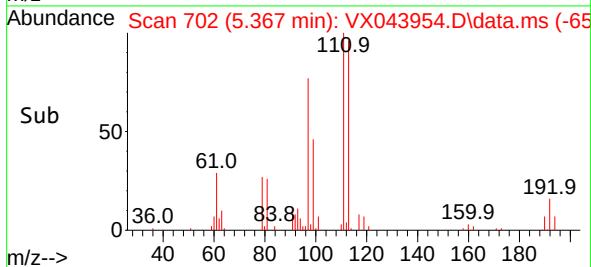
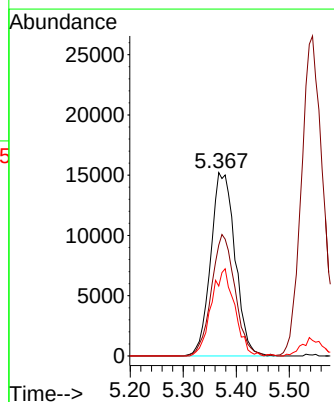
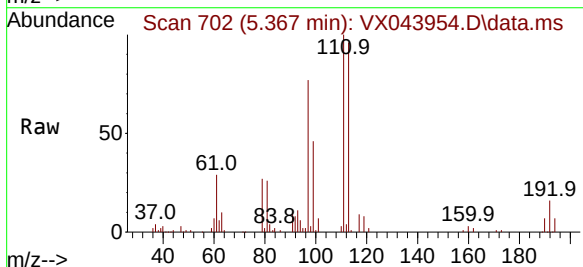
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

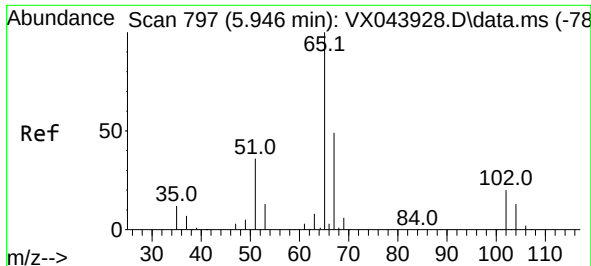
Tgt Ion: 56 Resp: 43641  
Ion Ratio Lower Upper  
56 100  
69 28.1 24.7 37.1  
84 82.8 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 20.691 ug/l  
RT: 5.367 min Scan# 702  
Delta R.T. -0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 97 Resp: 48619  
Ion Ratio Lower Upper  
97 100  
99 64.1 50.8 76.2  
61 45.8 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 53.557 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

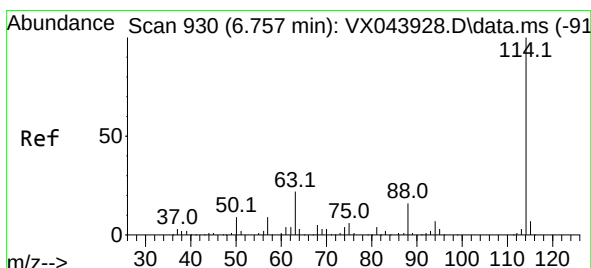
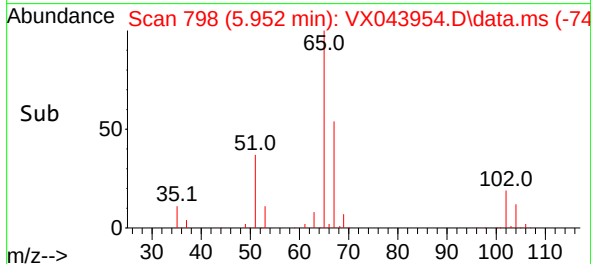
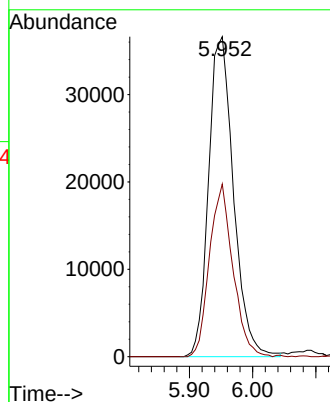
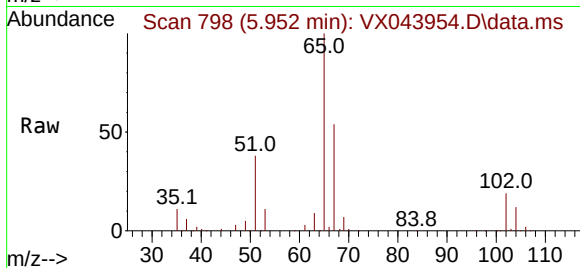
VX1122WBSD01

Tgt Ion: 65 Resp: 100196

Ion Ratio Lower Upper

65 100

67 50.7 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

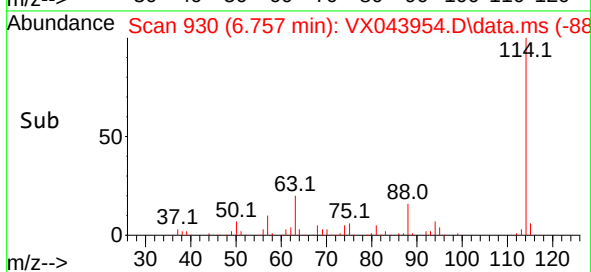
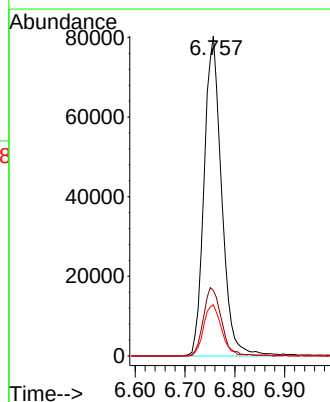
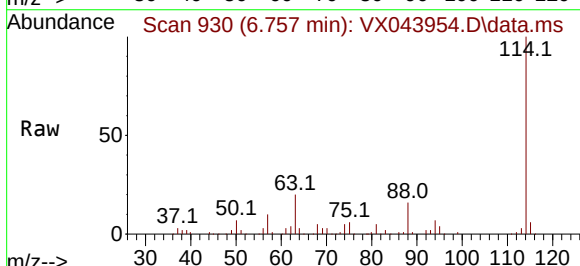
Tgt Ion: 114 Resp: 195872

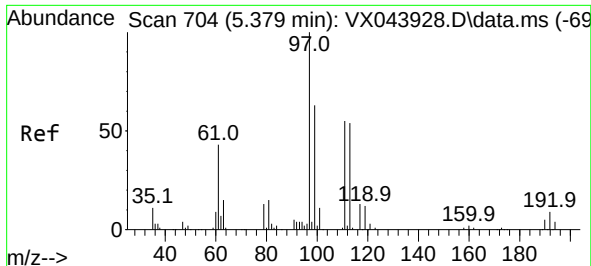
Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.0

88 16.0 0.0 32.4

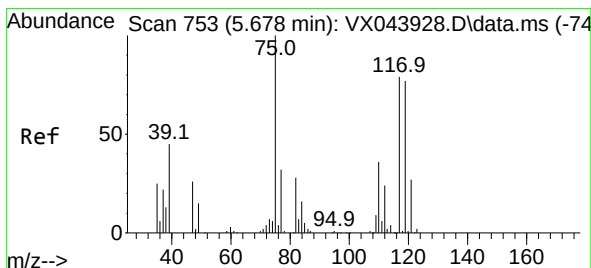
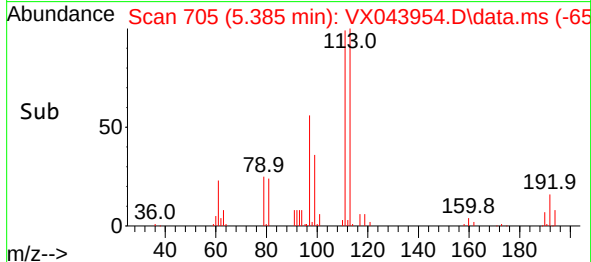
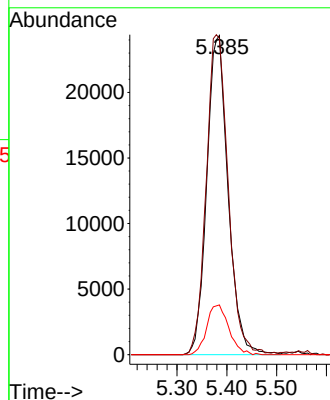
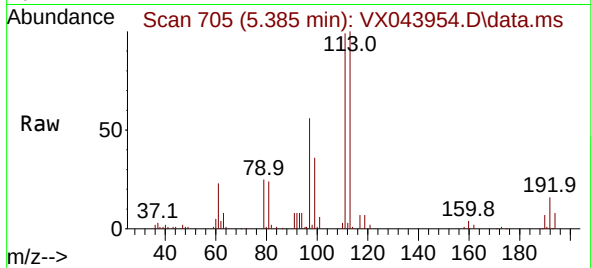




#35  
Dibromofluoromethane  
Concen: 51.541 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

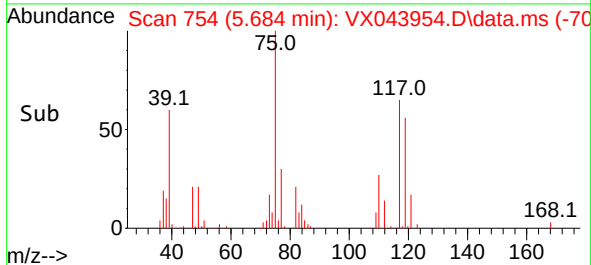
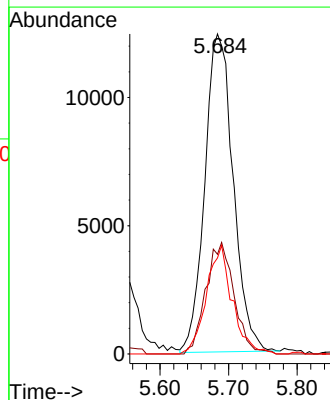
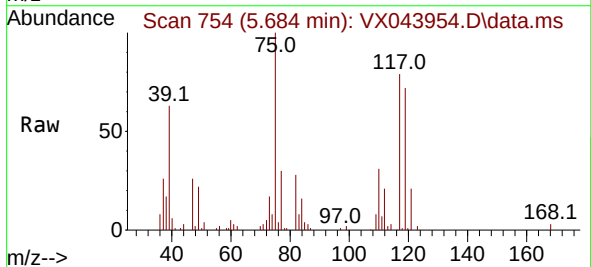
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

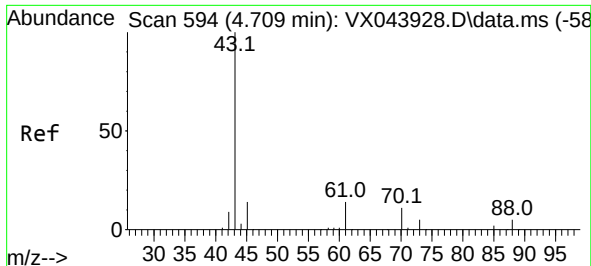
Tgt Ion:113 Resp: 72137  
Ion Ratio Lower Upper  
113 100  
111 103.4 81.0 121.4  
192 16.2 13.0 19.6



#36  
1,1-Dichloropropene  
Concen: 20.506 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 35764  
Ion Ratio Lower Upper  
75 100  
110 34.8 17.4 52.2  
77 31.1 25.8 38.8

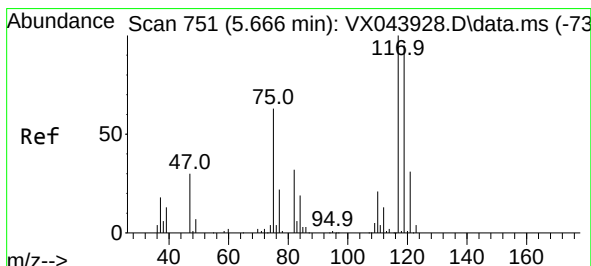
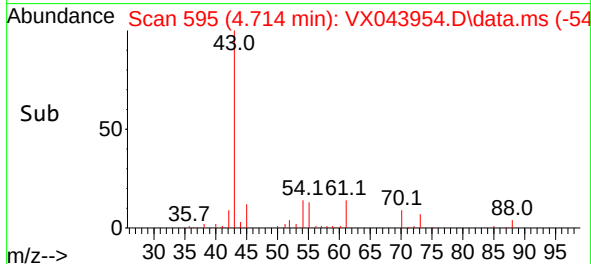
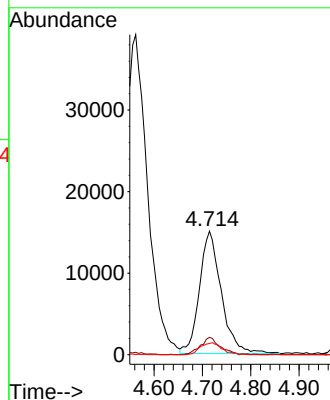
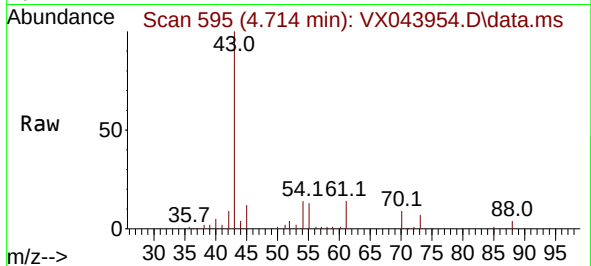




#37  
Ethyl Acetate  
Concen: 21.749 ug/l  
RT: 4.714 min Scan# 594  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

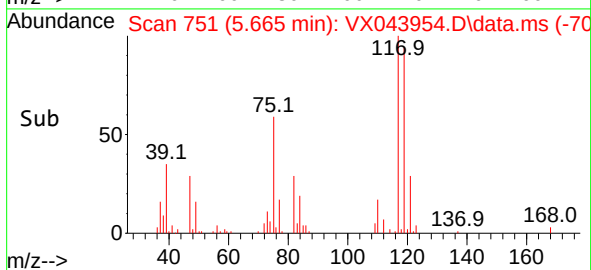
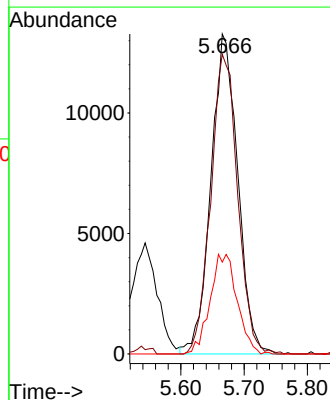
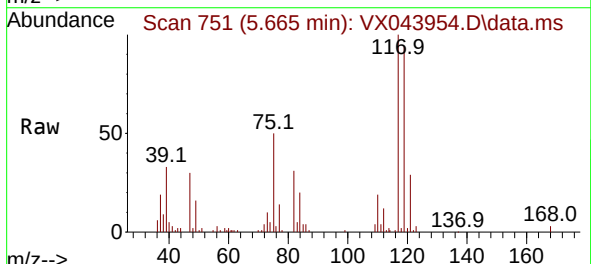
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

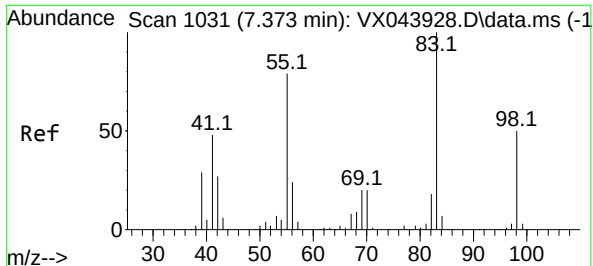
Tgt Ion: 43 Resp: 47085  
Ion Ratio Lower Upper  
43 100  
61 12.7 10.7 16.1  
70 9.6 8.0 12.0



#38  
Carbon Tetrachloride  
Concen: 19.920 ug/l  
RT: 5.665 min Scan# 751  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 117 Resp: 39037  
Ion Ratio Lower Upper  
117 100  
119 93.6 75.2 112.8  
121 28.7 24.5 36.7





#39

Methylcyclohexane

Concen: 20.474 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

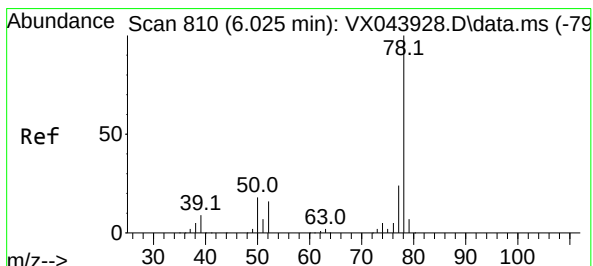
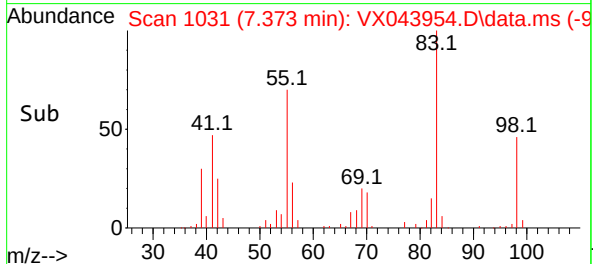
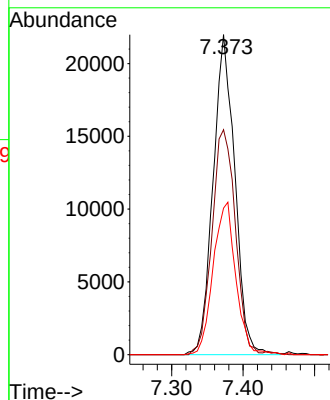
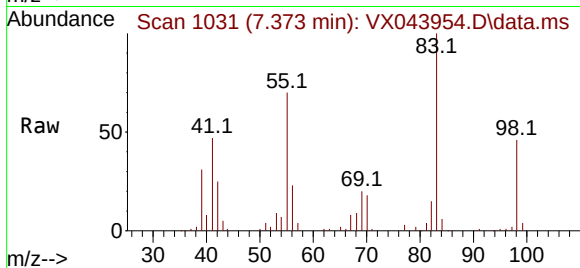
Tgt Ion: 83 Resp: 46390

Ion Ratio Lower Upper

83 100

55 70.3 63.1 94.7

98 45.8 40.0 60.0



#40

Benzene

Concen: 20.730 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043954.D

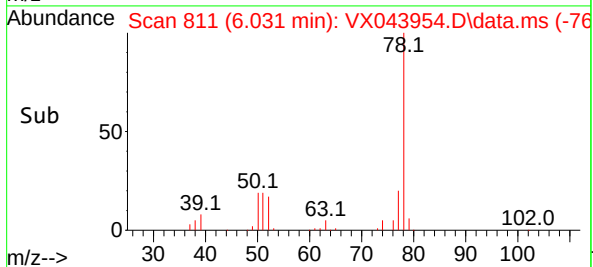
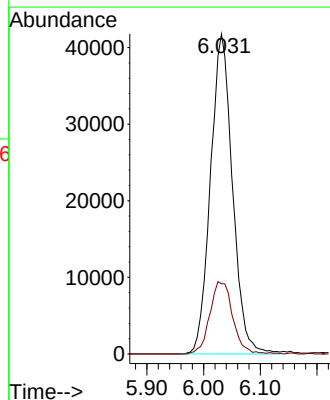
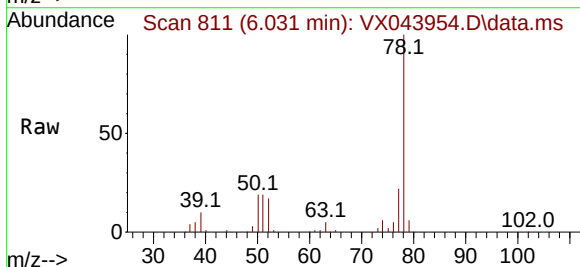
Acq: 22 Nov 2024 13:02

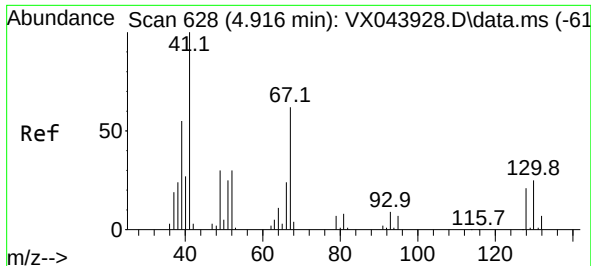
Tgt Ion: 78 Resp: 112619

Ion Ratio Lower Upper

78 100

77 22.0 19.2 28.8

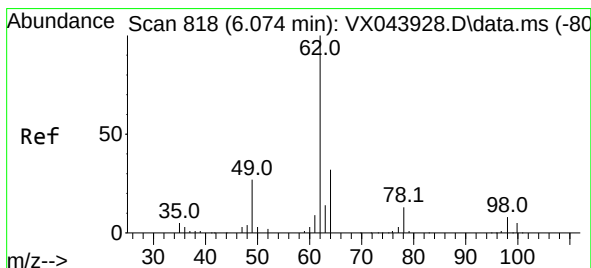
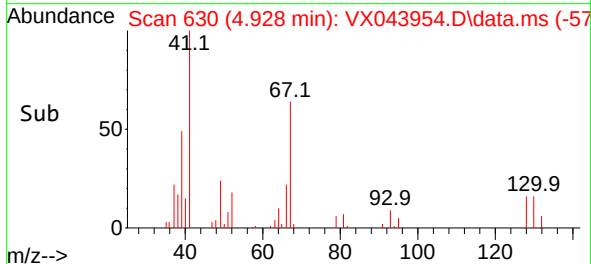
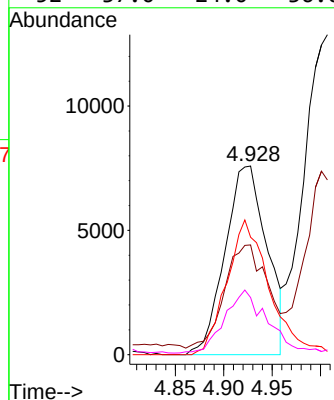
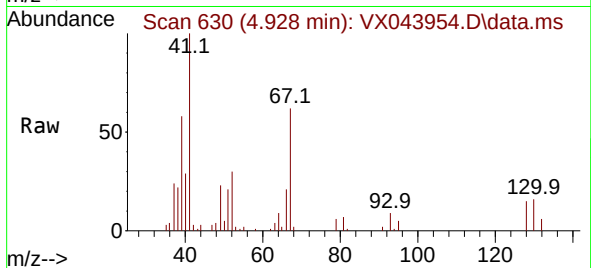




#41  
Methacrylonitrile  
Concen: 20.630 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

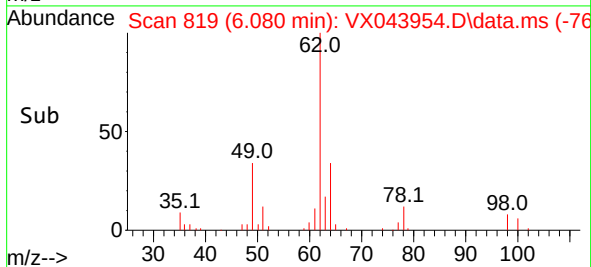
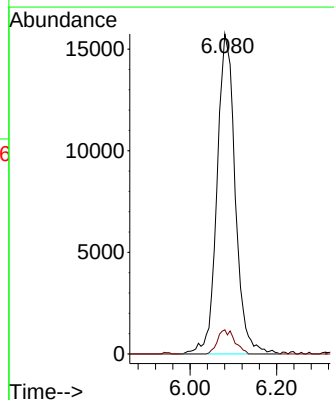
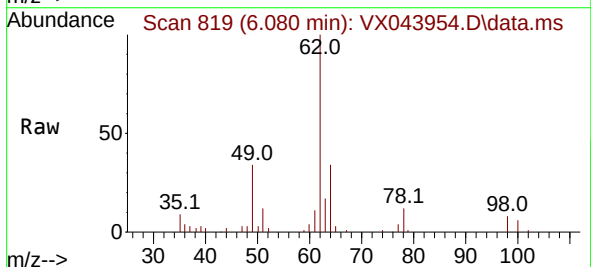
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 22859 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 55.7  | 41.7  | 62.5  |
| 67       | 73.1  | 55.8  | 83.8  |
| 52       | 37.0  | 24.0  | 36.0  |

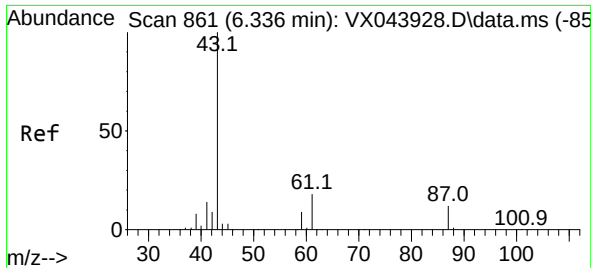


#42  
1,2-Dichloroethane  
Concen: 21.172 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 46195 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 7.1   | 0.0   | 16.4  |



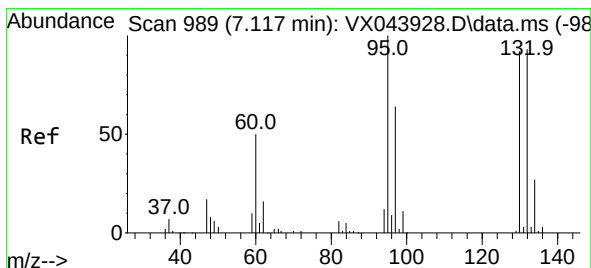
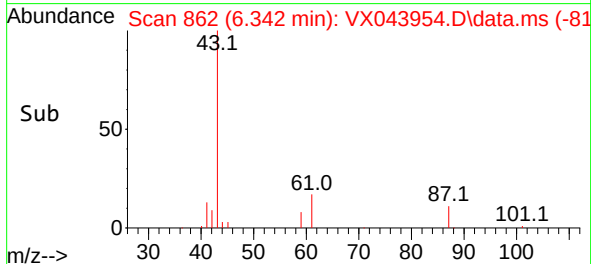
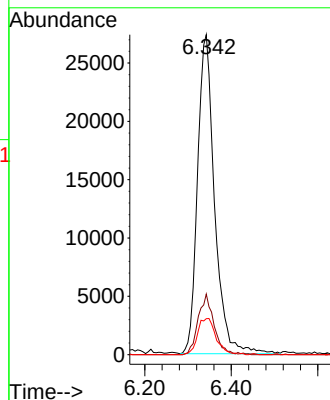
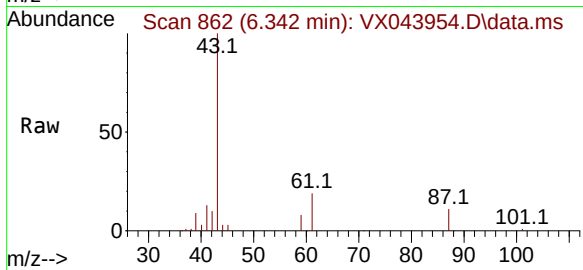




#43  
Isopropyl Acetate  
Concen: 21.661 ug/l  
RT: 6.342 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

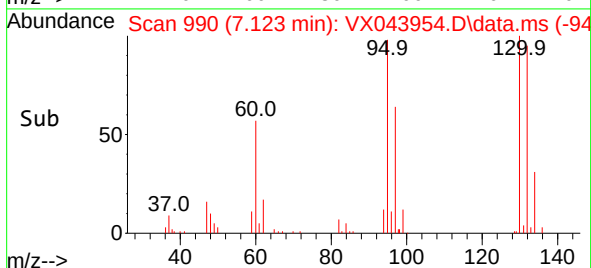
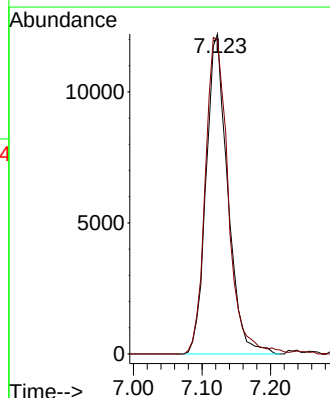
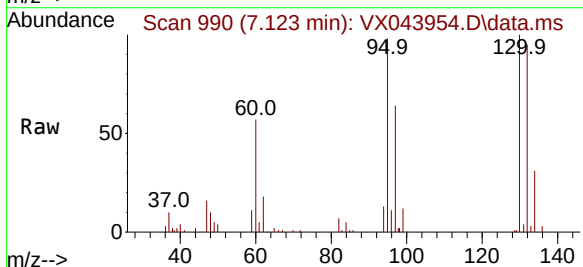
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

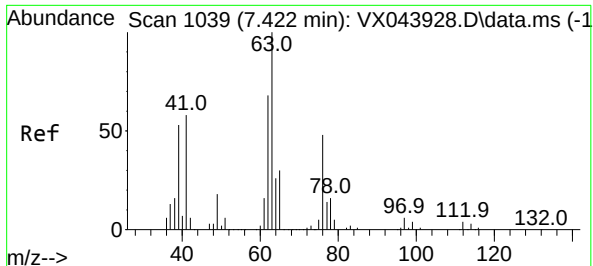
Tgt Ion: 43 Resp: 74632  
Ion Ratio Lower Upper  
43 100  
61 17.5 14.5 21.7  
87 12.3 10.2 15.2



#44  
Trichloroethene  
Concen: 17.414 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:130 Resp: 26781  
Ion Ratio Lower Upper  
130 100  
95 98.1 0.0 217.8





#45

1,2-Dichloropropane

Concen: 21.366 ug/l

RT: 7.427 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

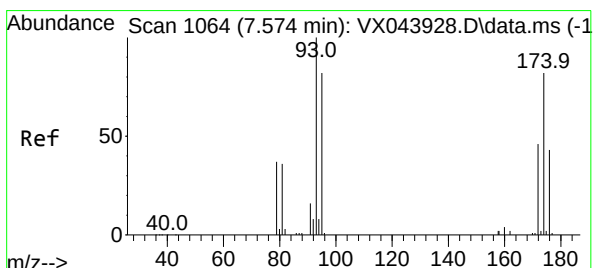
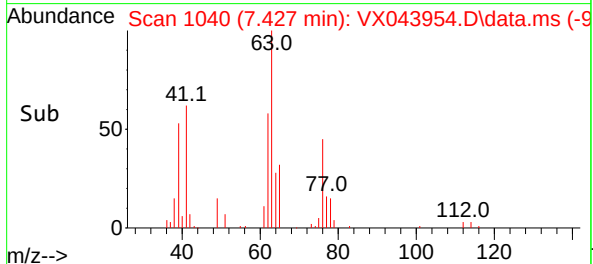
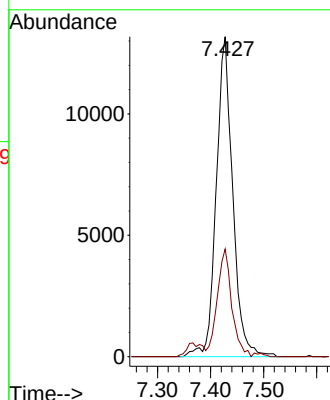
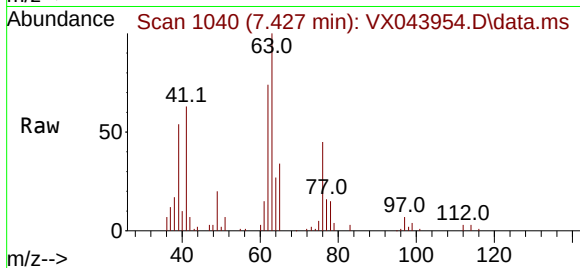
VX1122WBSD01

Tgt Ion: 63 Resp: 28429

Ion Ratio Lower Upper

63 100

65 33.7 23.8 35.6



#46

Dibromomethane

Concen: 21.475 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

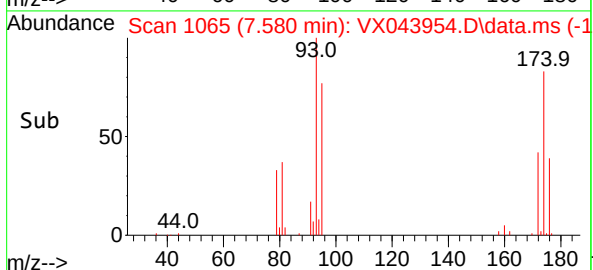
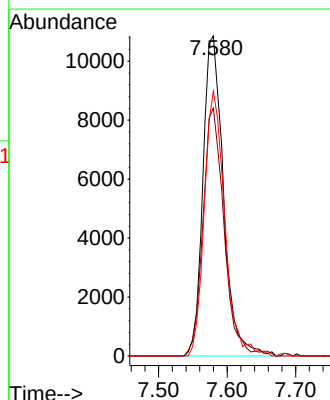
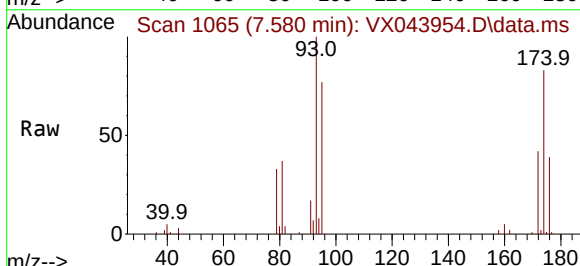
Tgt Ion: 93 Resp: 22603

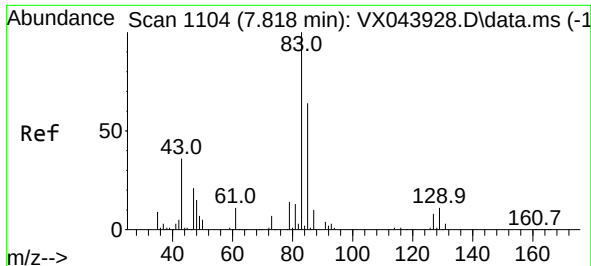
Ion Ratio Lower Upper

93 100

95 79.5 66.2 99.4

174 82.5 69.6 104.4

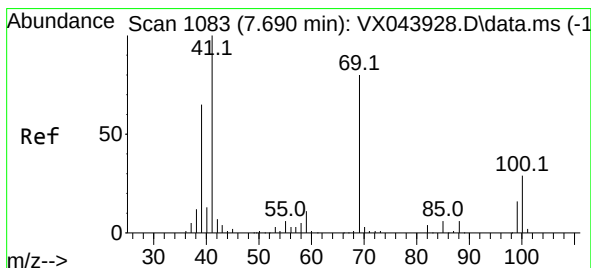
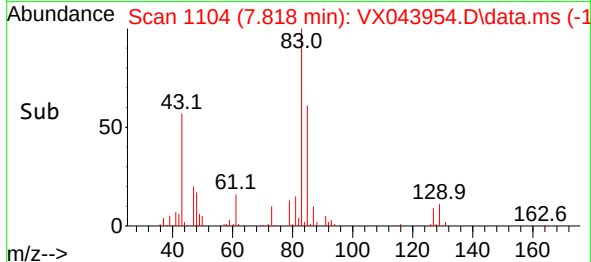
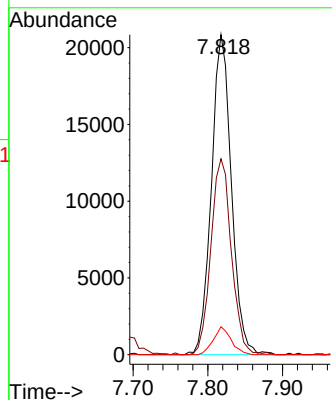
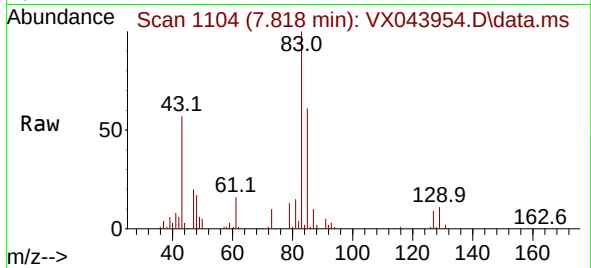




#47  
Bromodichloromethane  
Concen: 20.524 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

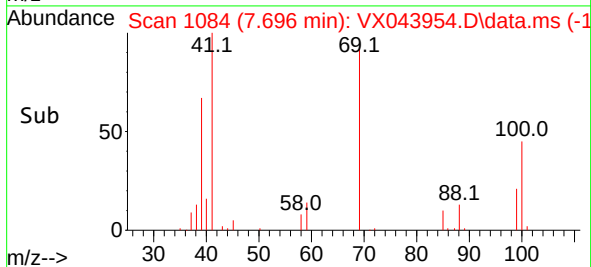
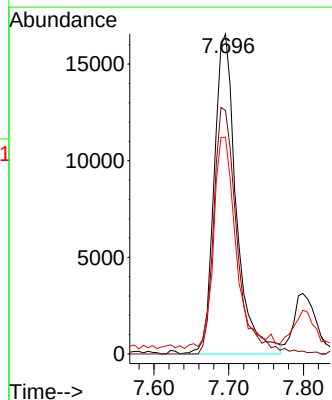
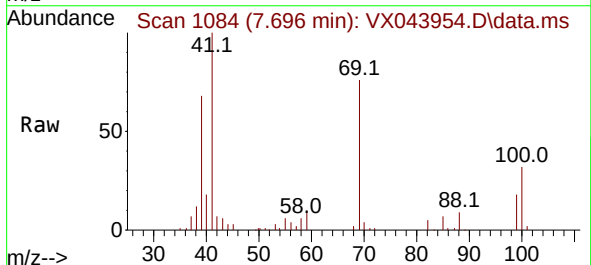
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

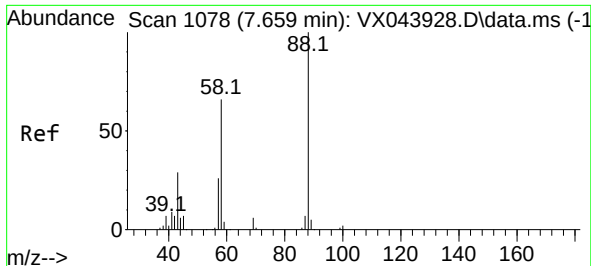
Tgt Ion: 83 Resp: 38744  
Ion Ratio Lower Upper  
83 100  
85 61.2 51.4 77.0  
127 8.8 6.6 10.0



#48  
Methyl methacrylate  
Concen: 20.644 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 41 Resp: 34130  
Ion Ratio Lower Upper  
41 100  
69 80.2 64.6 97.0  
39 67.1 53.3 79.9





#49

1,4-Dioxane

Concen: 357.698 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

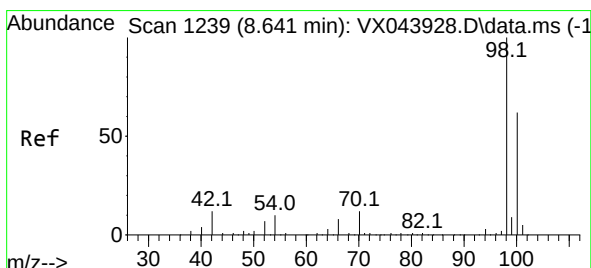
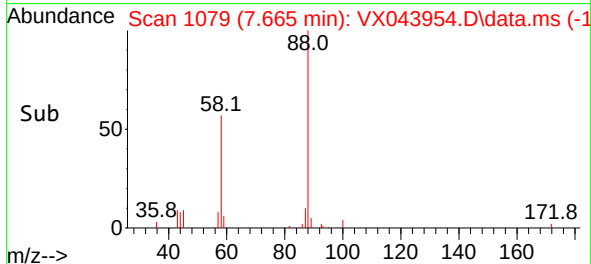
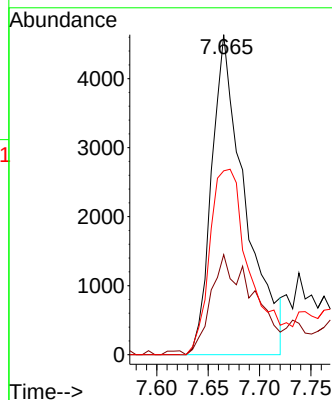
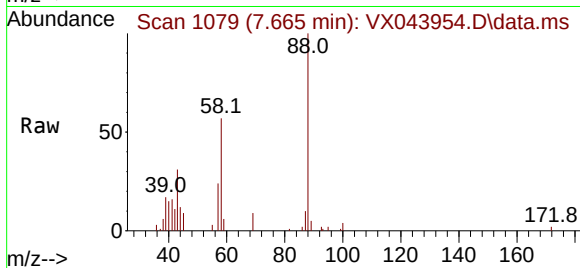
Tgt Ion: 88 Resp: 10534

Ion Ratio Lower Upper

88 100

43 40.0 26.8 40.2

58 71.2 45.4 68.2#



#50

Toluene-d8

Concen: 51.950 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043954.D

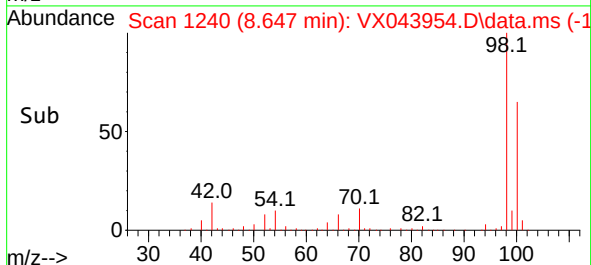
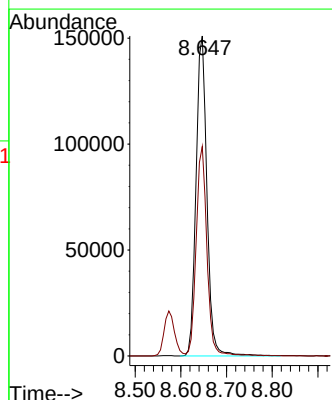
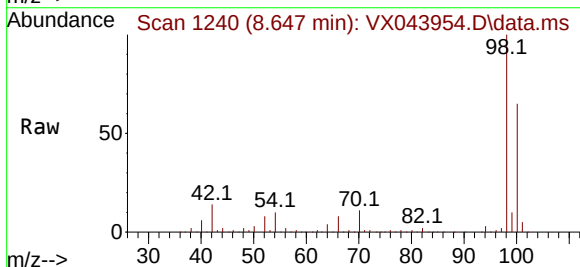
Acq: 22 Nov 2024 13:02

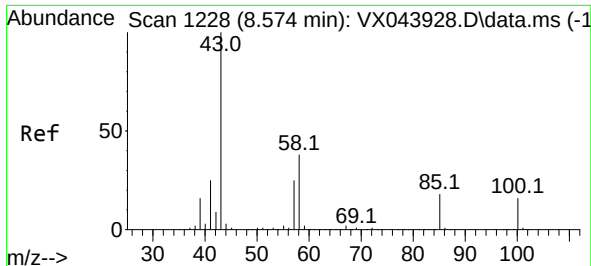
Tgt Ion: 98 Resp: 250635

Ion Ratio Lower Upper

98 100

100 63.5 52.6 79.0

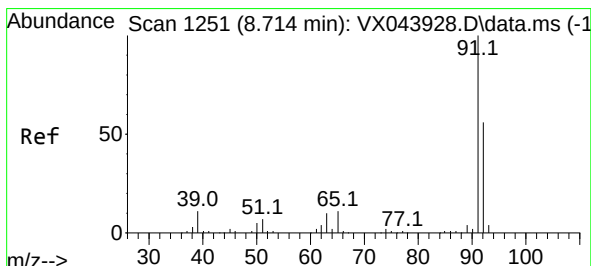
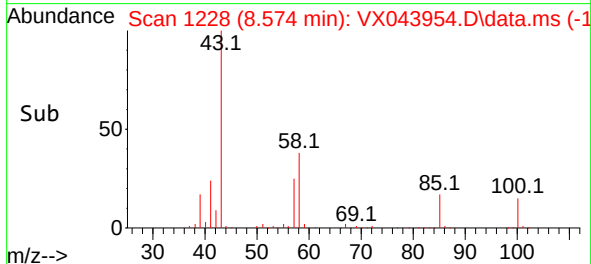
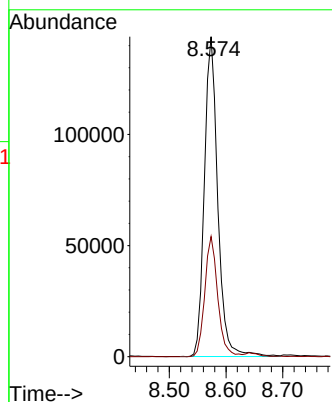
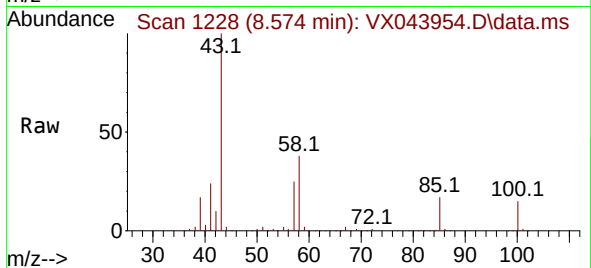




#51  
4-Methyl-2-Pentanone  
Concen: 112.638 ug/l  
RT: 8.574 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

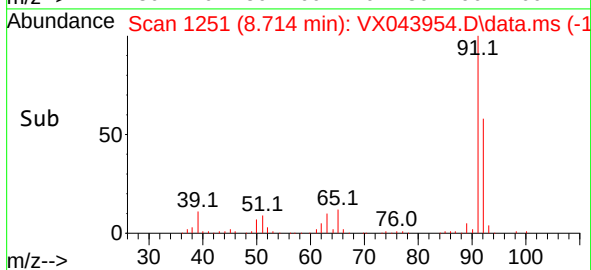
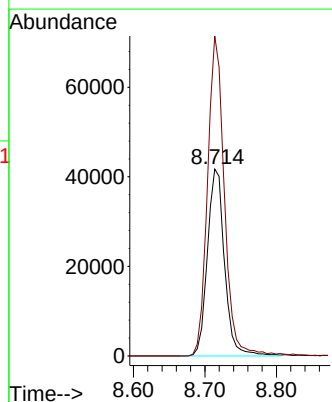
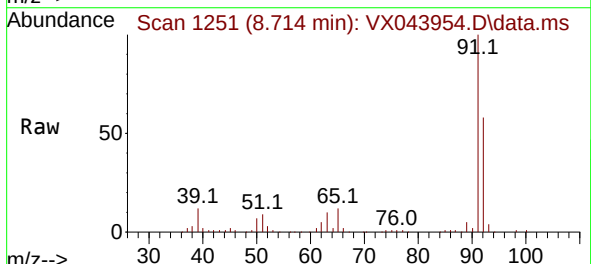
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

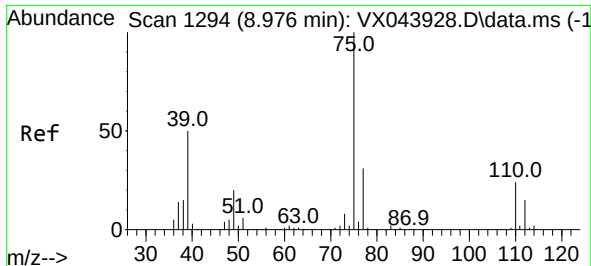
Tgt Ion: 43 Resp: 236829  
Ion Ratio Lower Upper  
43 100  
58 36.4 30.0 45.0



#52  
Toluene  
Concen: 21.356 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 92 Resp: 69441  
Ion Ratio Lower Upper  
92 100  
91 168.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 20.285 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

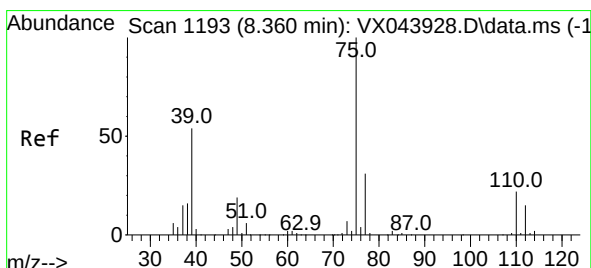
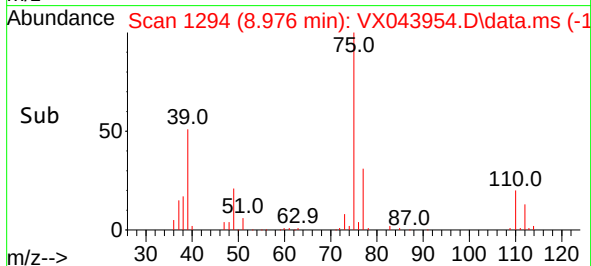
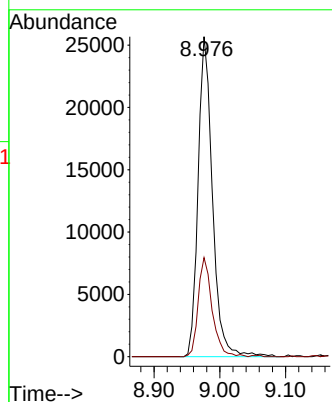
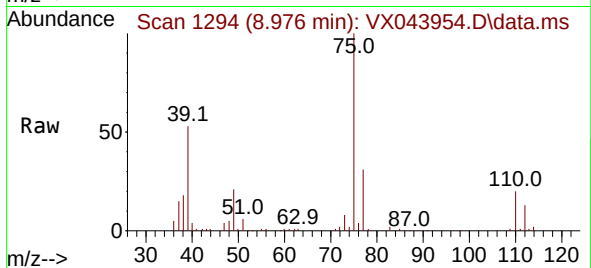
VX1122WBSD01

Tgt Ion: 75 Resp: 39050

Ion Ratio Lower Upper

75 100

77 31.0 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 20.580 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

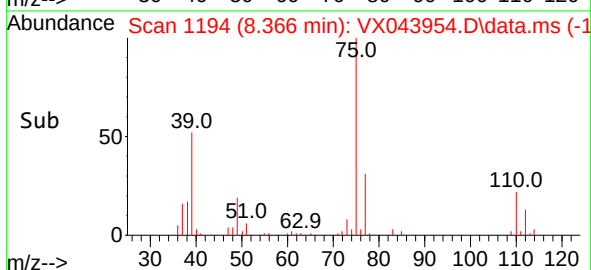
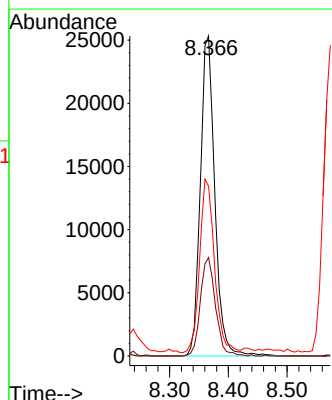
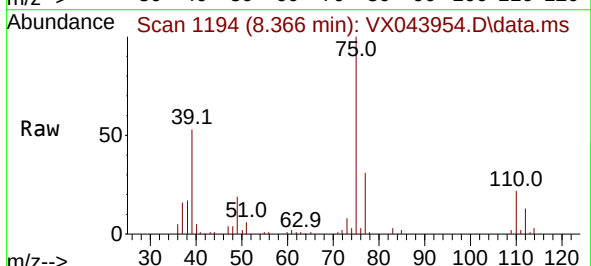
Tgt Ion: 75 Resp: 43430

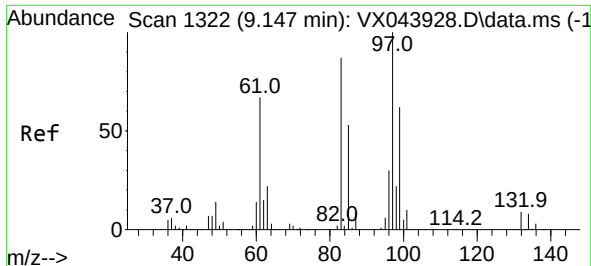
Ion Ratio Lower Upper

75 100

77 30.7 25.2 37.8

39 52.0 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 20.697 ug/l

RT: 9.153 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

Tgt Ion: 97 Resp: 27781

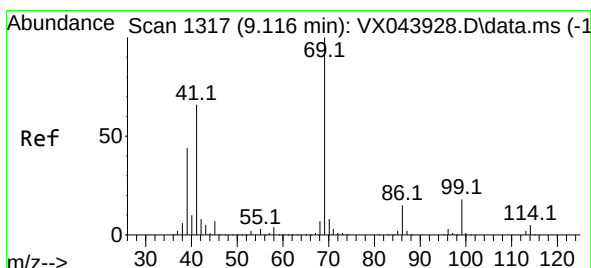
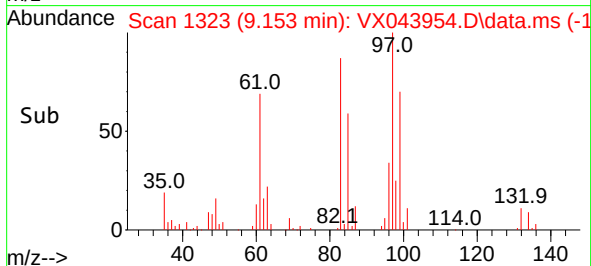
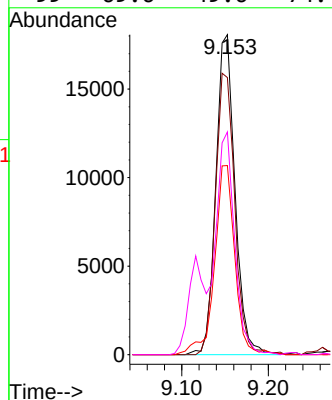
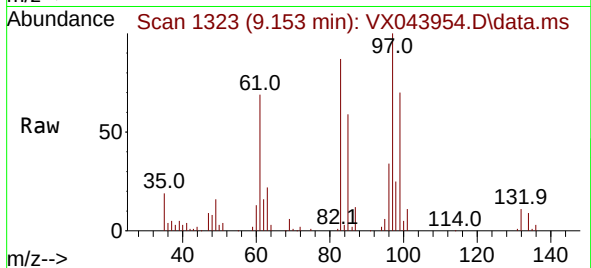
Ion Ratio Lower Upper

97 100

83 86.6 69.4 104.0

85 58.8 42.3 63.5

99 69.6 49.6 74.4



#56

Ethyl methacrylate

Concen: 21.098 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

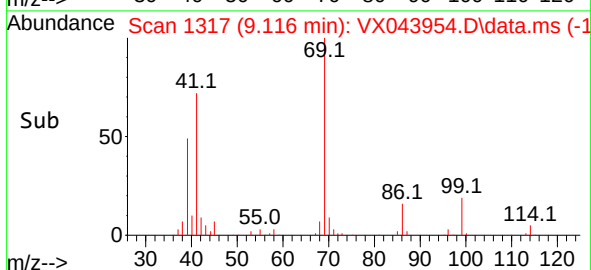
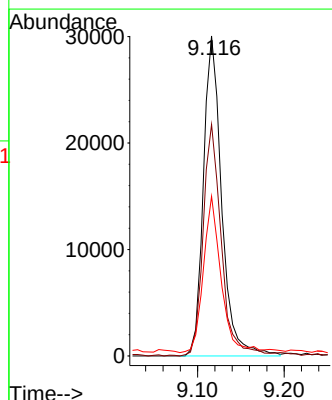
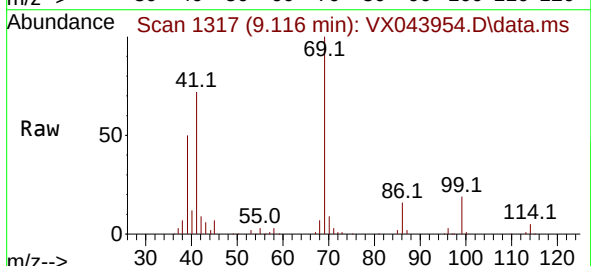
Tgt Ion: 69 Resp: 44109

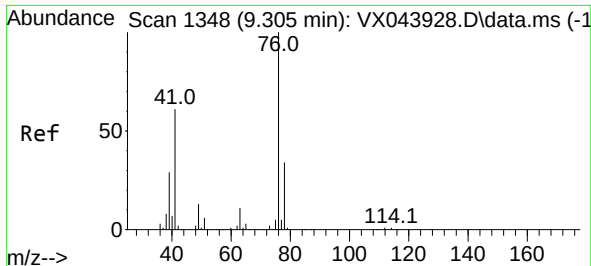
Ion Ratio Lower Upper

69 100

41 70.8 55.8 83.8

39 47.9 36.7 55.1





#57

1,3-Dichloropropane

Concen: 22.042 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

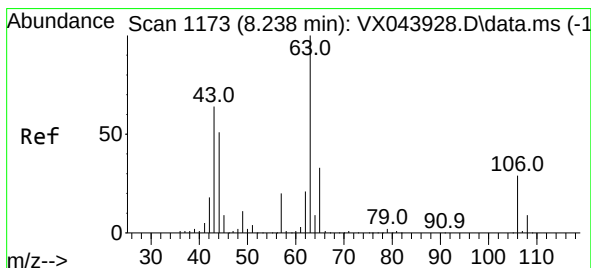
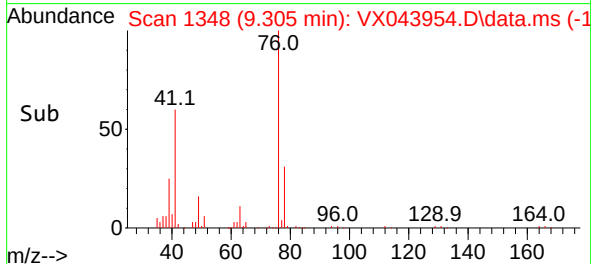
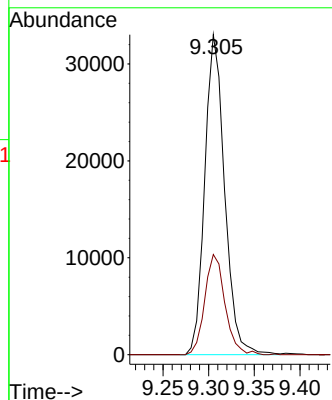
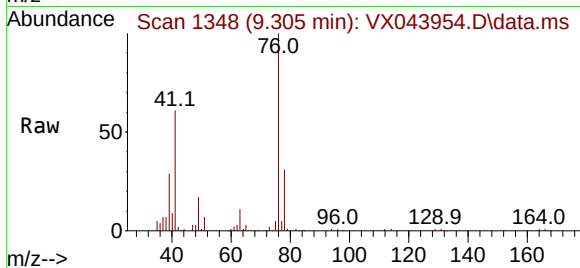
VX1122WBSD01

Tgt Ion: 76 Resp: 49838

Ion Ratio Lower Upper

76 100

78 31.8 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 97.143 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043954.D

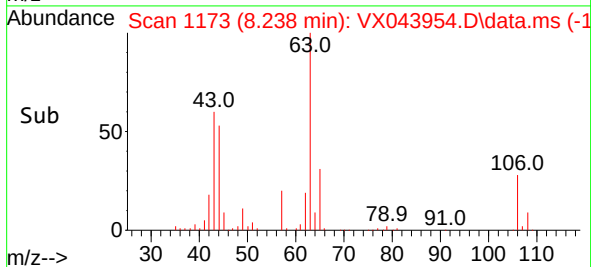
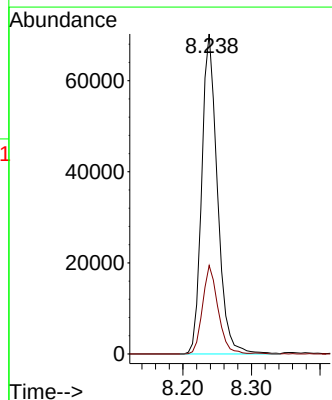
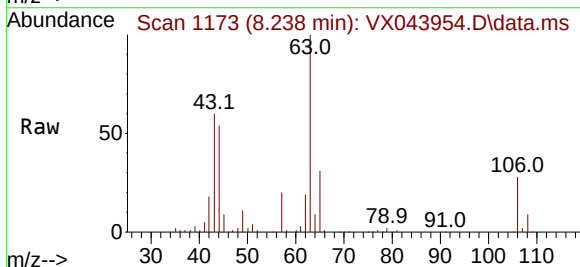
Acq: 22 Nov 2024 13:02

Tgt Ion: 63 Resp: 112089

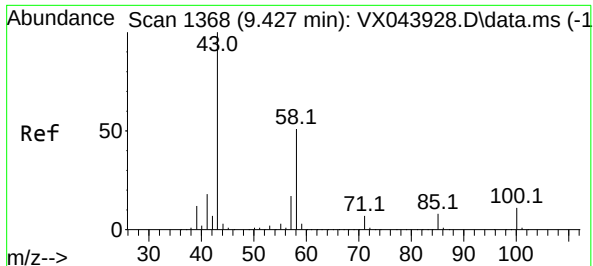
Ion Ratio Lower Upper

63 100

106 27.3 23.0 34.6



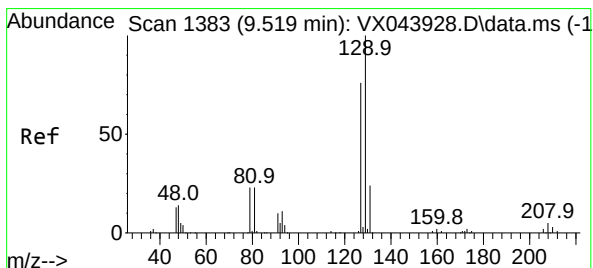
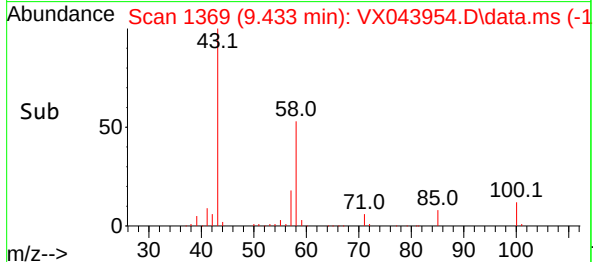
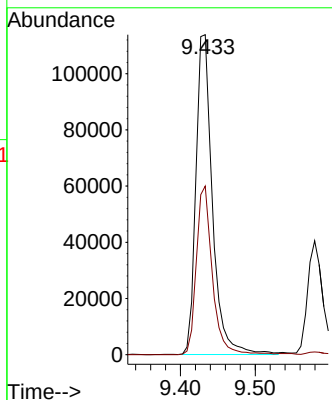
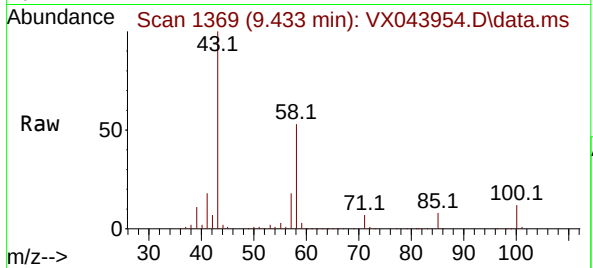




#59  
2-Hexanone  
Concen: 110.568 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

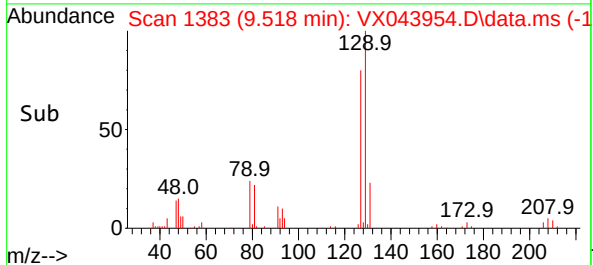
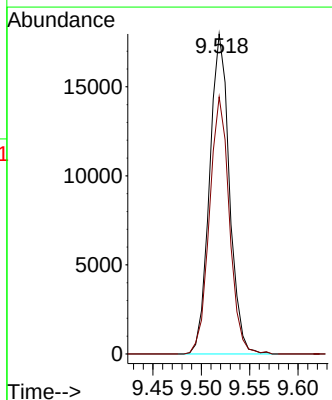
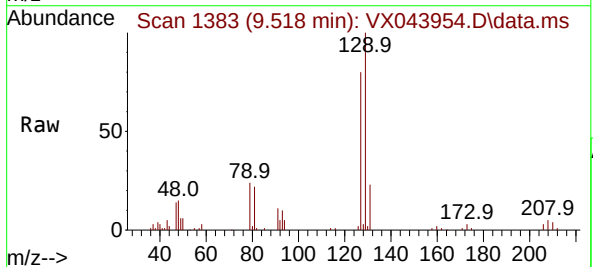
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

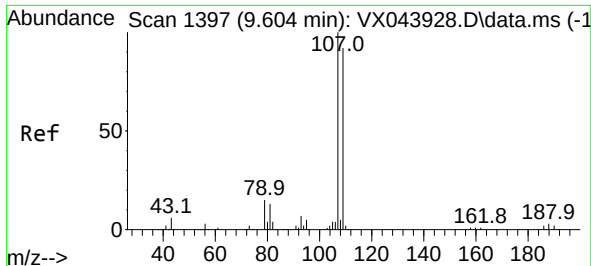
Tgt Ion: 43 Resp: 174736  
Ion Ratio Lower Upper  
43 100  
58 51.1 25.9 77.6



#60  
Dibromochloromethane  
Concen: 19.071 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 129 Resp: 25683  
Ion Ratio Lower Upper  
129 100  
127 80.5 38.2 114.6

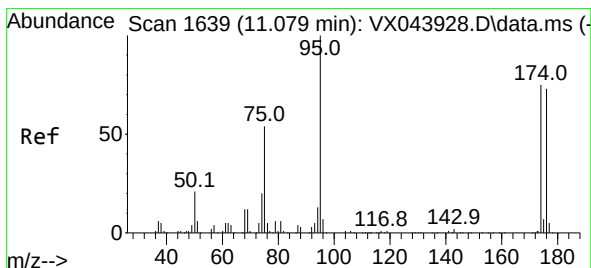
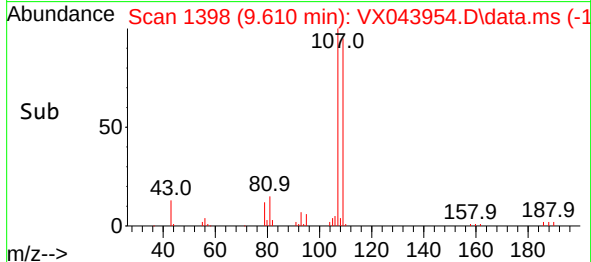
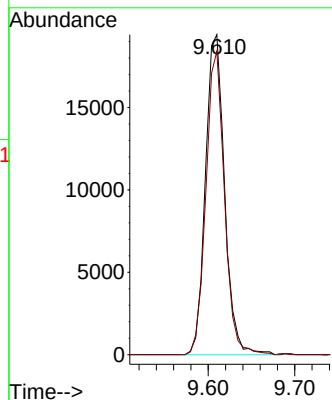
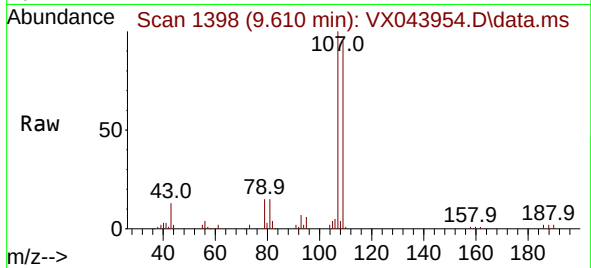




#61  
1,2-Dibromoethane  
Concen: 21.936 ug/l  
RT: 9.610 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

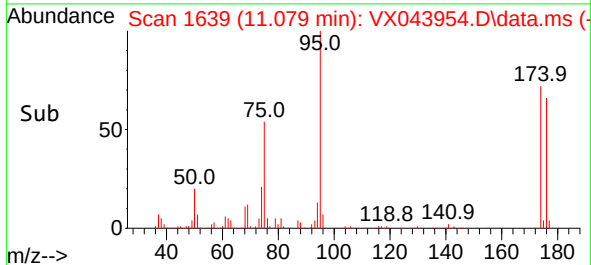
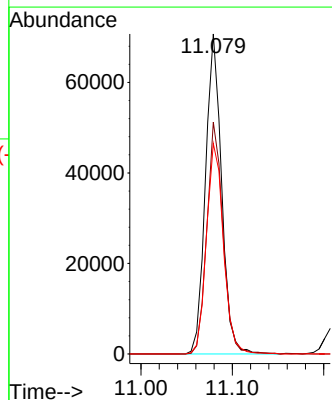
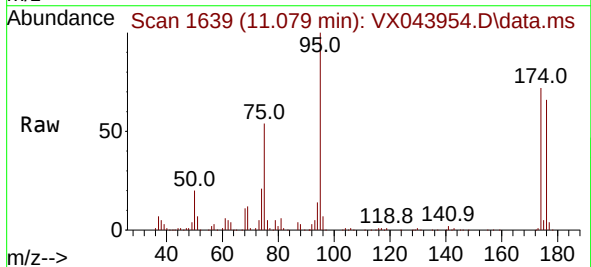
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

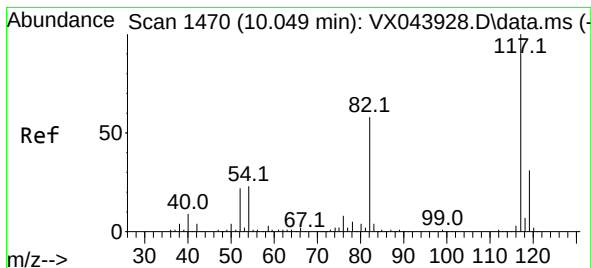
Tgt Ion:107 Resp: 29772  
Ion Ratio Lower Upper  
107 100  
109 92.0 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 52.669 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 95 Resp: 86479  
Ion Ratio Lower Upper  
95 100  
174 72.8 0.0 150.4  
176 69.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

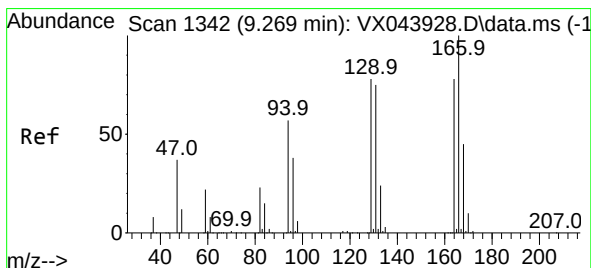
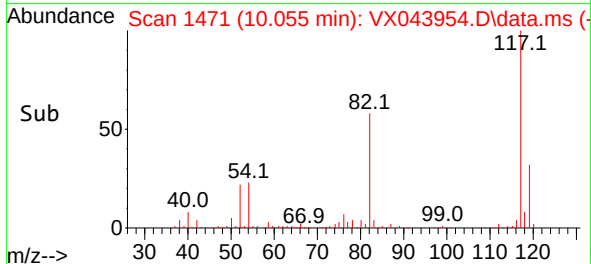
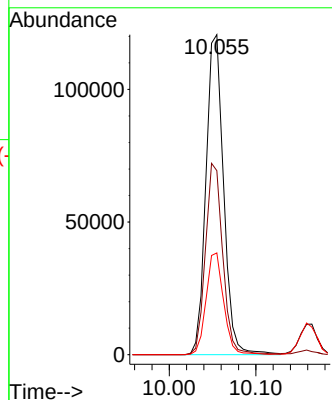
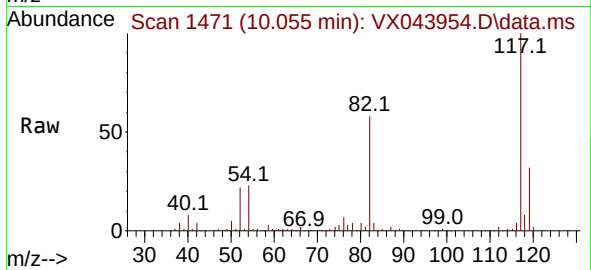
Tgt Ion:117 Resp: 171011

Ion Ratio Lower Upper

117 100

82 57.5 46.4 69.6

119 31.8 24.6 37.0



#64

Tetrachloroethene

Concen: 20.722 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Tgt Ion:164 Resp: 23366

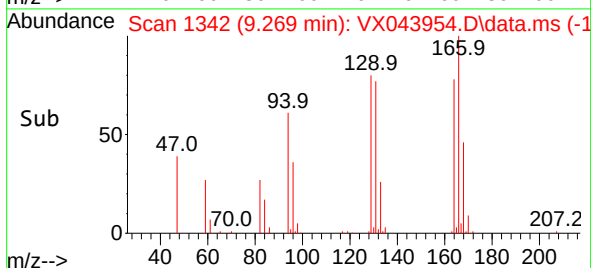
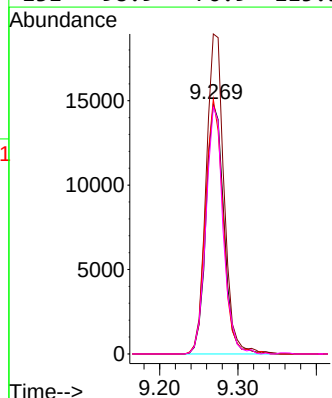
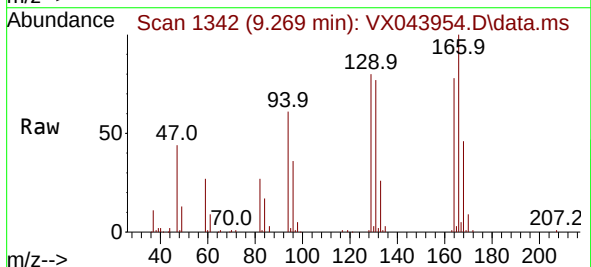
Ion Ratio Lower Upper

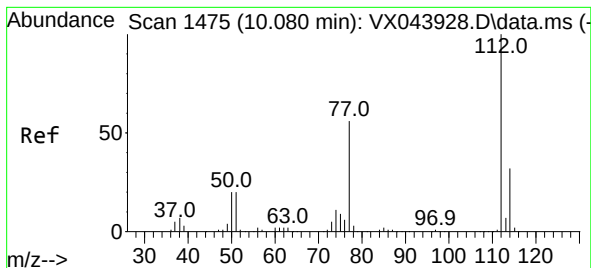
164 100

166 128.2 102.1 153.1

129 102.0 79.6 119.4

131 98.9 76.9 115.3

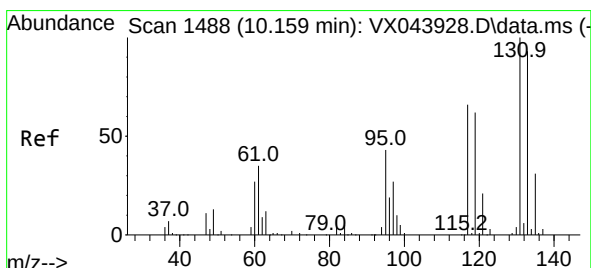
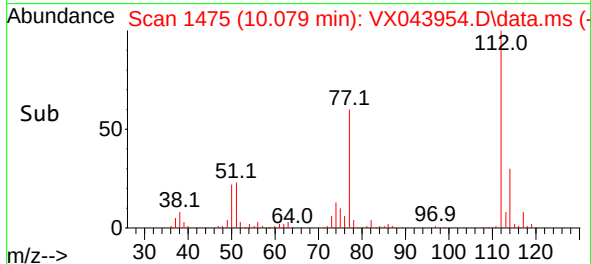
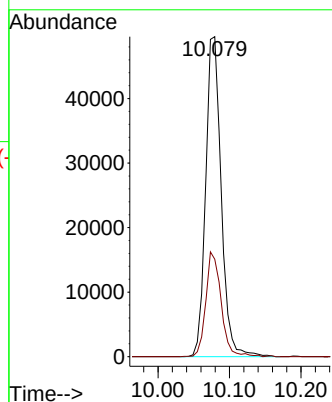
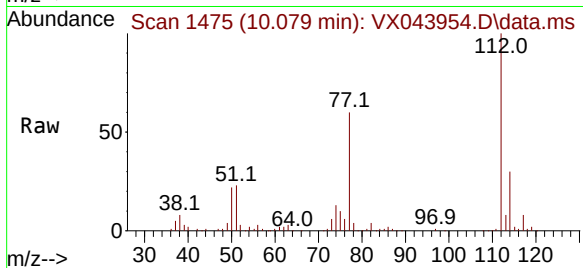




#65  
Chlorobenzene  
Concen: 19.949 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

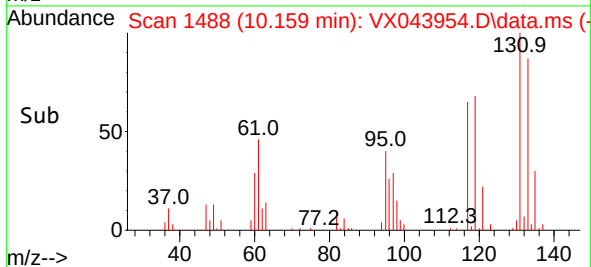
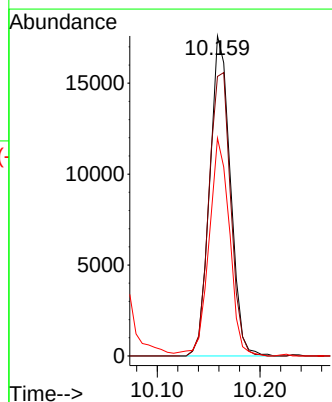
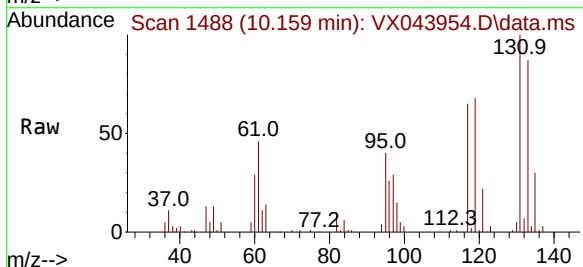
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

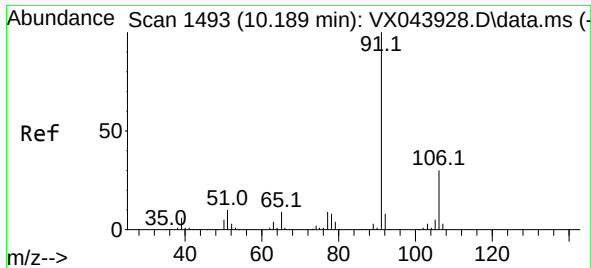
Tgt Ion:112 Resp: 74928  
Ion Ratio Lower Upper  
112 100  
114 30.5 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 20.143 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:131 Resp: 24536  
Ion Ratio Lower Upper  
131 100  
133 93.3 48.2 144.6  
119 67.5 31.5 94.5

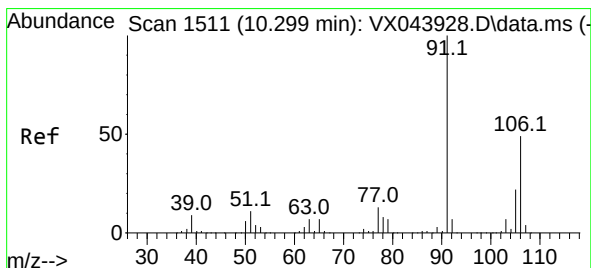
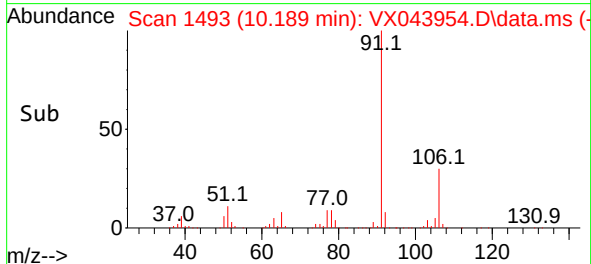
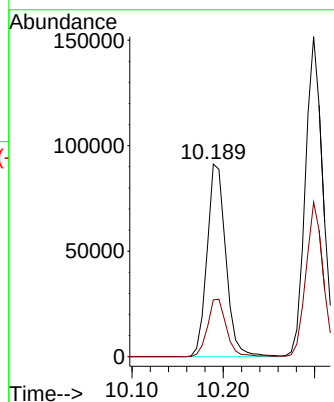
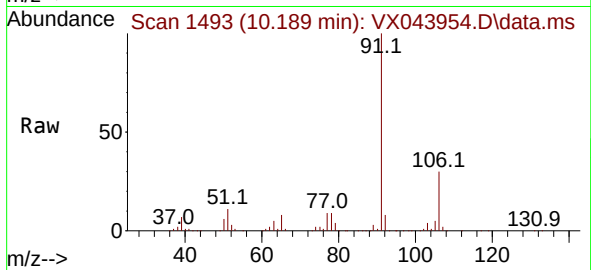




#67  
Ethyl Benzene  
Concen: 20.429 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

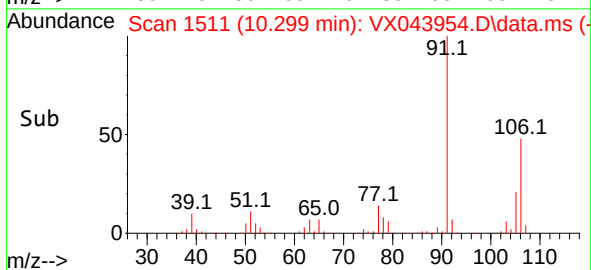
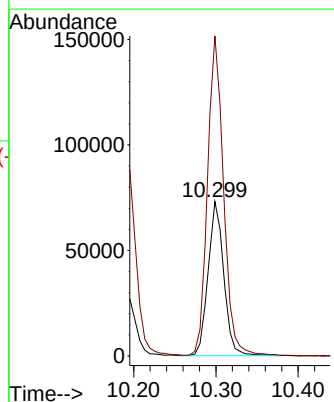
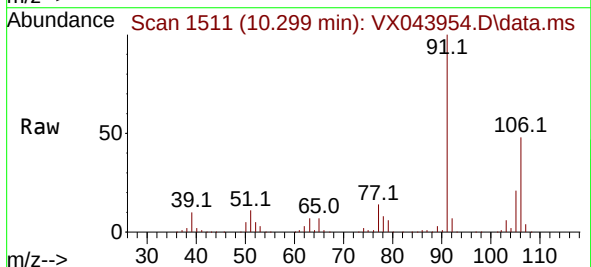
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

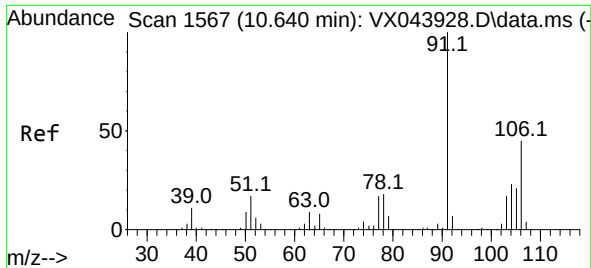
Tgt Ion: 91 Resp: 130020  
Ion Ratio Lower Upper  
91 100  
106 29.5 23.6 35.4



#68  
m/p-Xylenes  
Concen: 40.881 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:106 Resp: 97028  
Ion Ratio Lower Upper  
106 100  
91 212.2 168.1 252.1

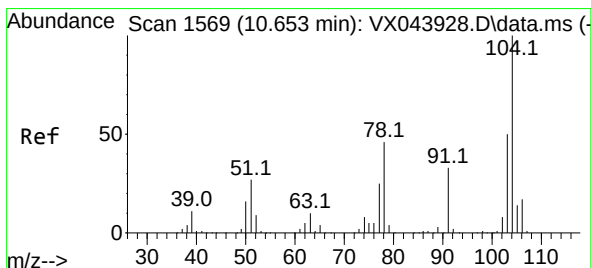
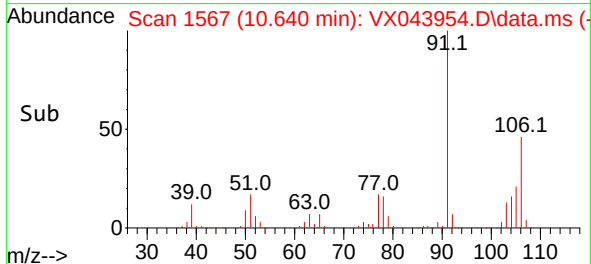
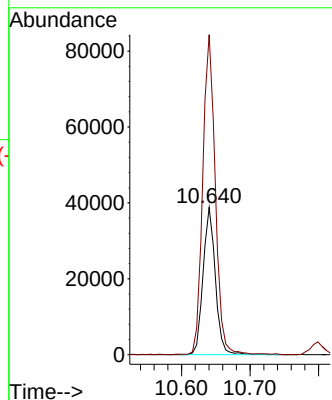
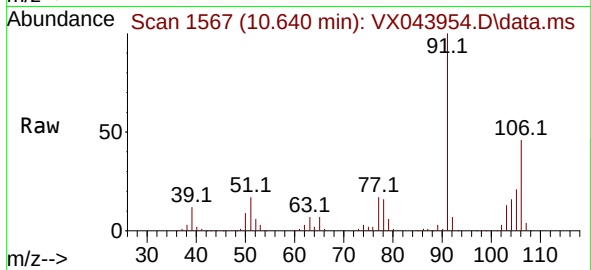




#69  
o-Xylene  
Concen: 20.920 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

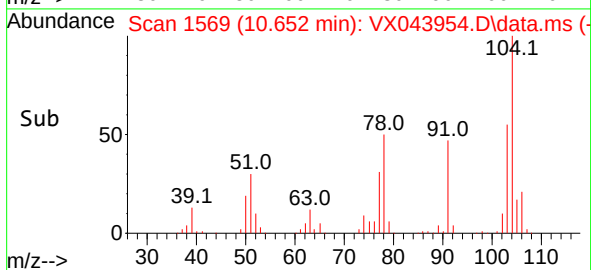
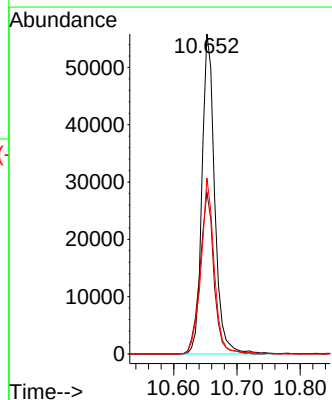
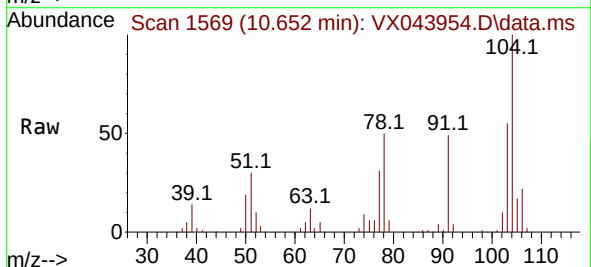
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

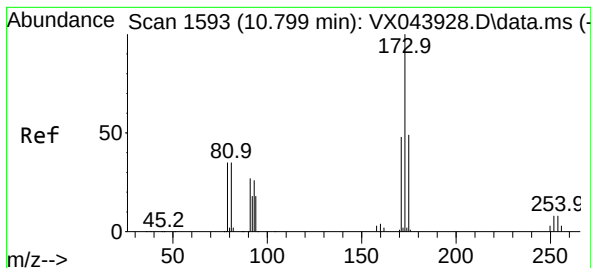
Tgt Ion:106 Resp: 48479  
Ion Ratio Lower Upper  
106 100  
91 222.2 110.2 330.6



#70  
Styrene  
Concen: 20.503 ug/l  
RT: 10.652 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:104 Resp: 78583  
Ion Ratio Lower Upper  
104 100  
78 55.1 42.2 63.2  
103 56.9 44.7 67.1





#71

Bromoform

Concen: 17.533 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

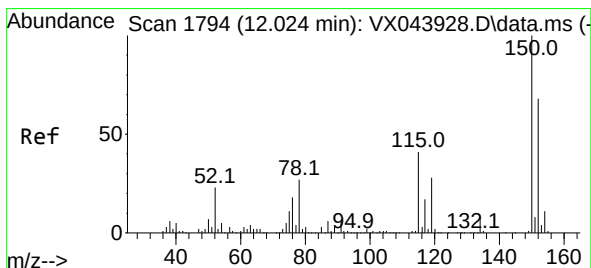
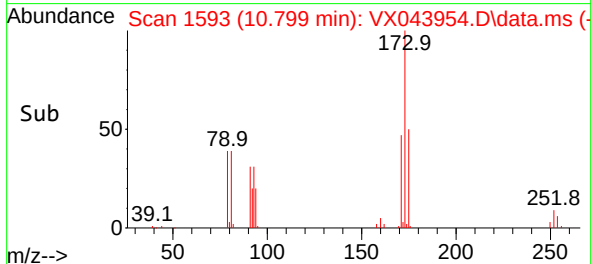
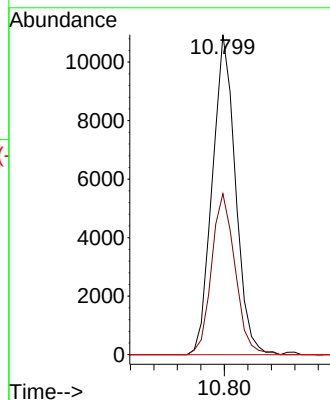
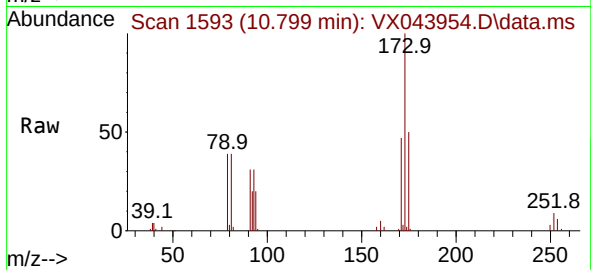
Tgt Ion:173 Resp: 14931

Ion Ratio Lower Upper

173 100

175 51.2 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

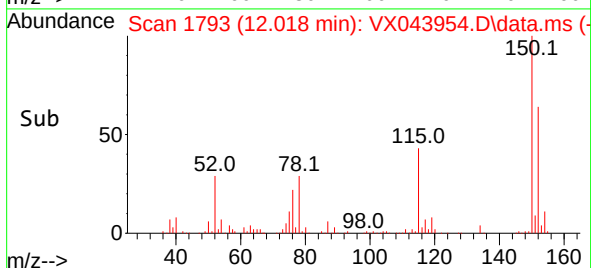
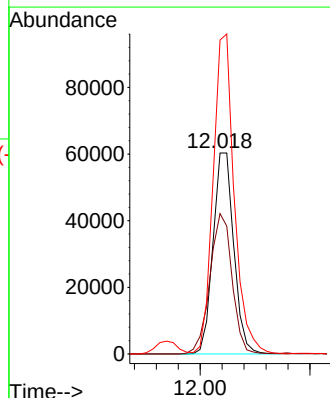
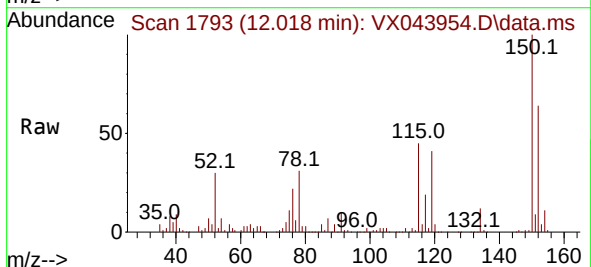
Tgt Ion:152 Resp: 79397

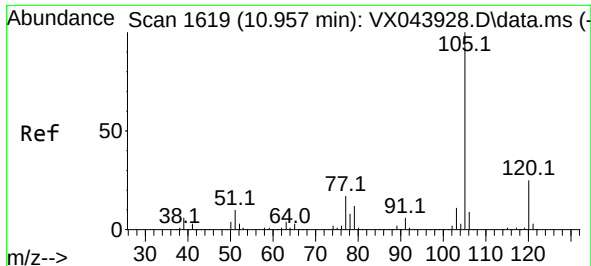
Ion Ratio Lower Upper

152 100

115 74.4 45.4 136.2

150 161.9 0.0 353.0

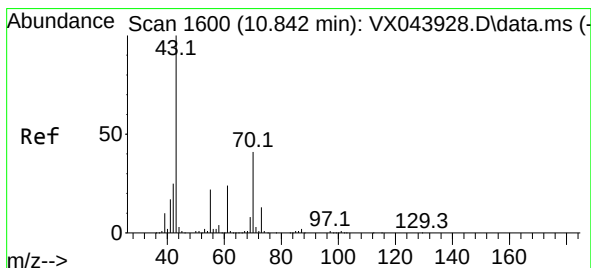
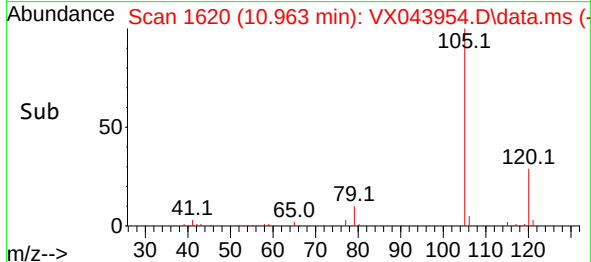
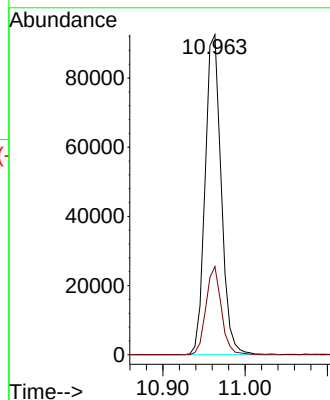
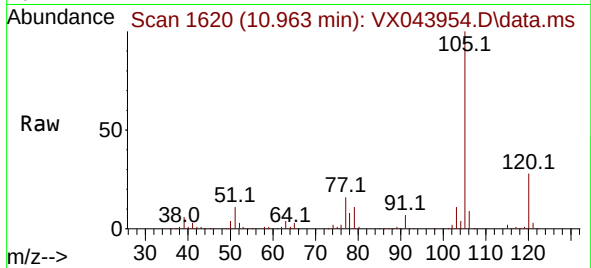




#73  
Isopropylbenzene  
Concen: 20.617 ug/l  
RT: 10.963 min Scan# 1619  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

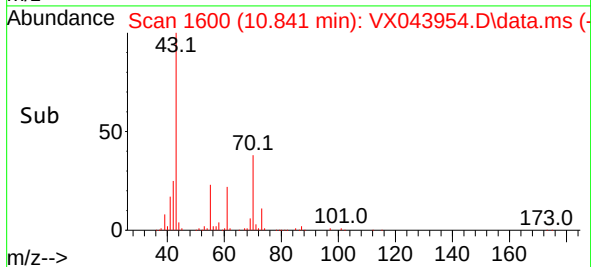
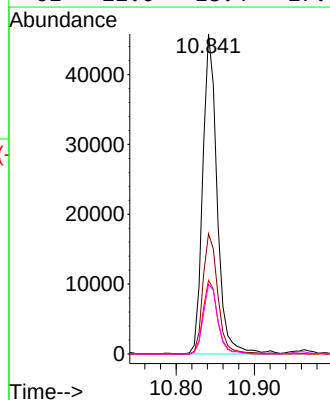
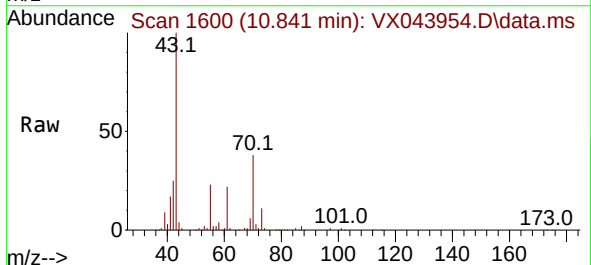
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

Tgt Ion:105 Resp: 125832  
Ion Ratio Lower Upper  
105 100  
120 26.3 13.0 38.9

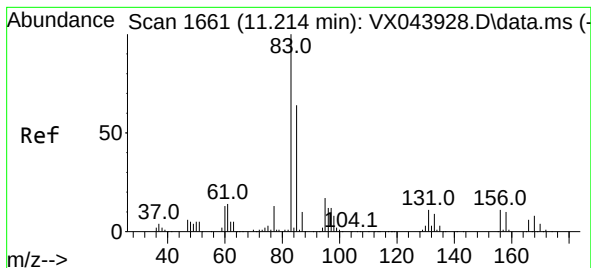


#74  
N-ethyl acetate  
Concen: 20.692 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 43 Resp: 58504  
Ion Ratio Lower Upper  
43 100  
70 38.7 32.2 48.2  
55 23.3 18.1 27.1  
61 22.0 18.4 27.6



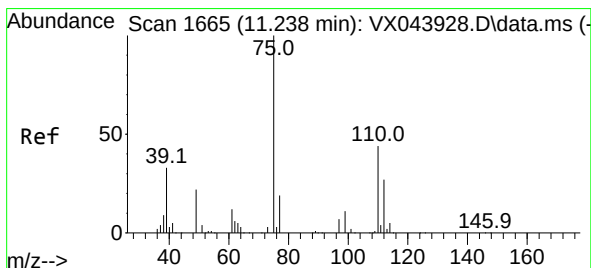
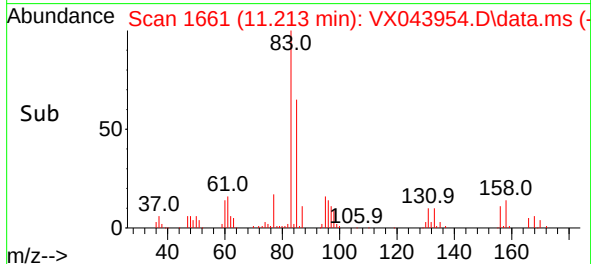
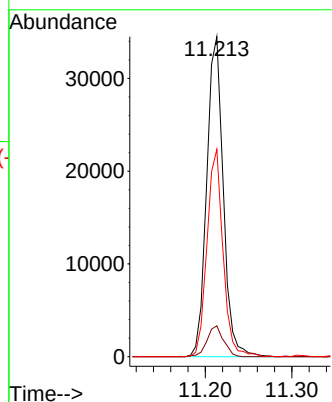
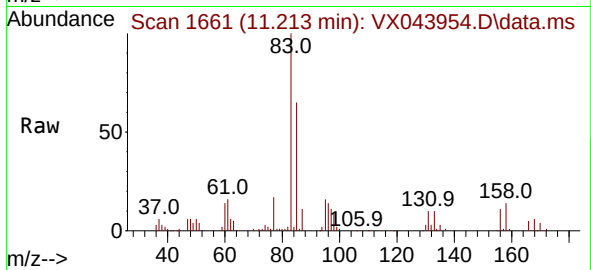




#75  
1,1,2,2-Tetrachloroethane  
Concen: 21.909 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

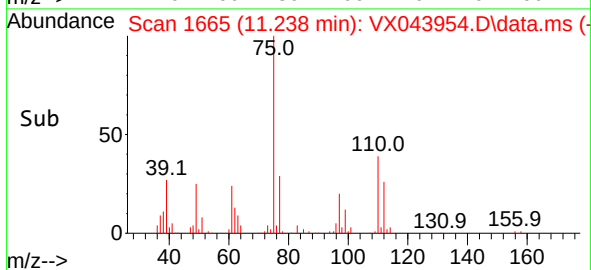
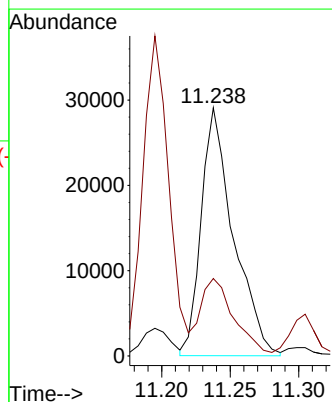
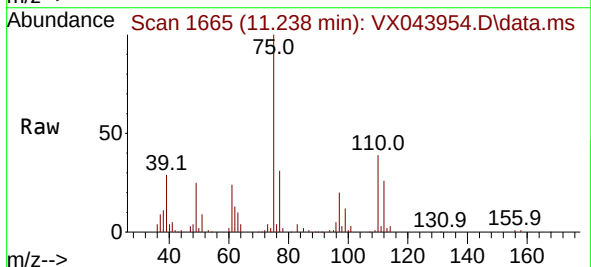
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

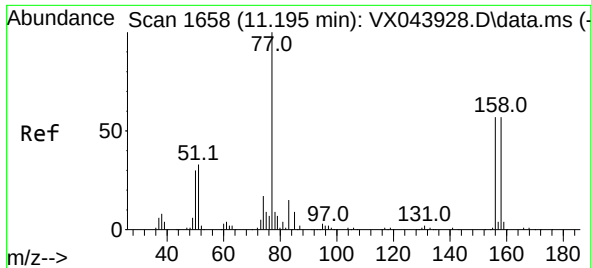
Tgt Ion: 83 Resp: 45786  
Ion Ratio Lower Upper  
83 100  
131 9.7 5.1 15.2  
85 62.7 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 27.402 ug/l  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 75 Resp: 47712  
Ion Ratio Lower Upper  
75 100  
77 32.5 21.8 65.3

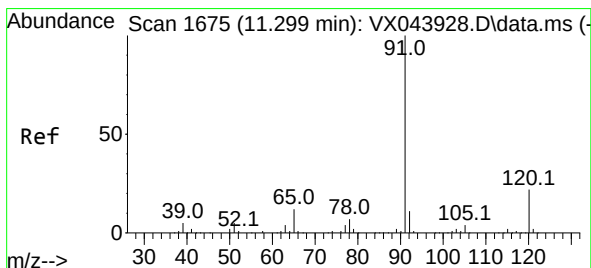
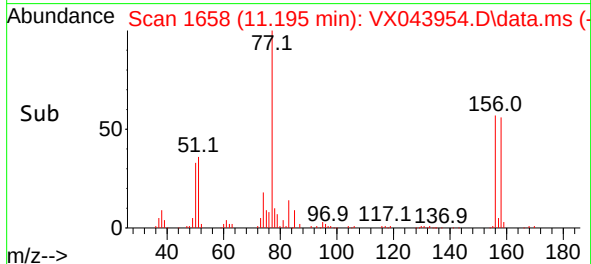
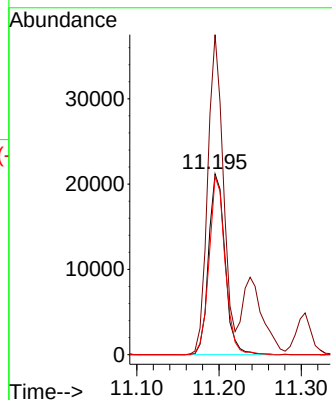
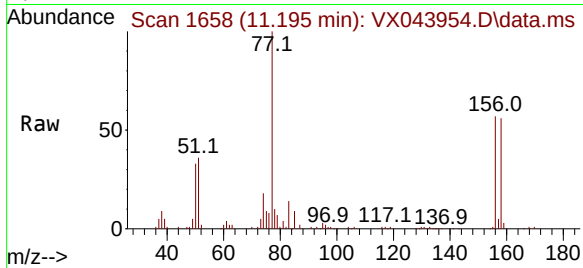




#77  
Bromobenzene  
Concen: 20.201 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

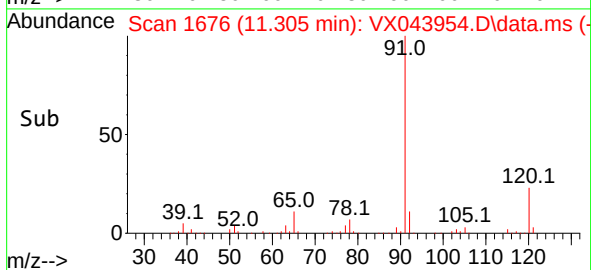
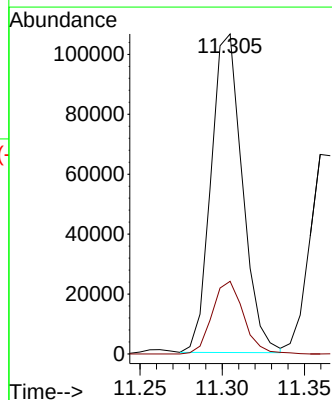
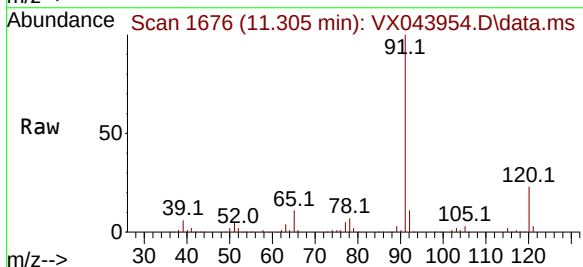
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

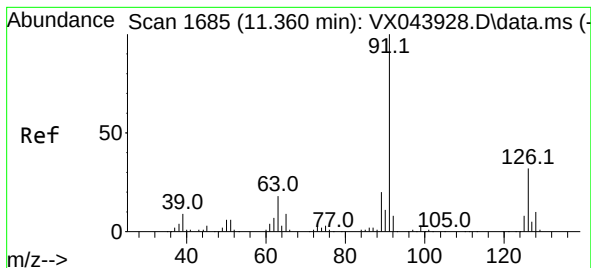
Tgt Ion:156 Resp: 29411  
Ion Ratio Lower Upper  
156 100  
77 168.8 83.4 250.1  
158 96.3 47.6 142.8



#78  
n-propylbenzene  
Concen: 20.700 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 91 Resp: 141102  
Ion Ratio Lower Upper  
91 100  
120 22.9 11.5 34.4

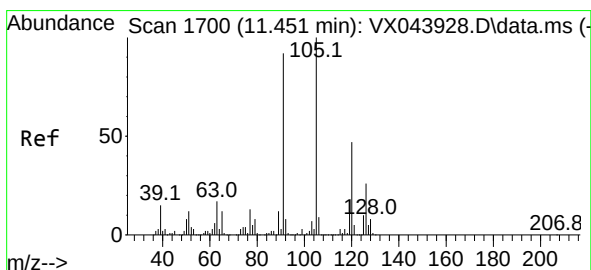
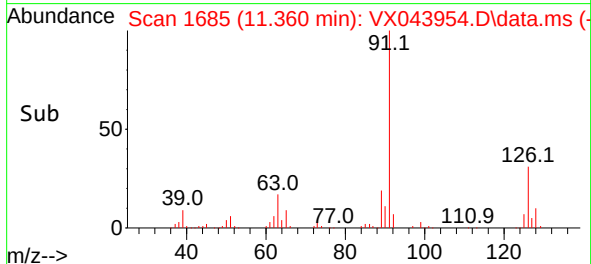
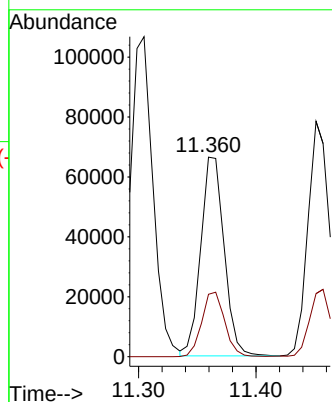
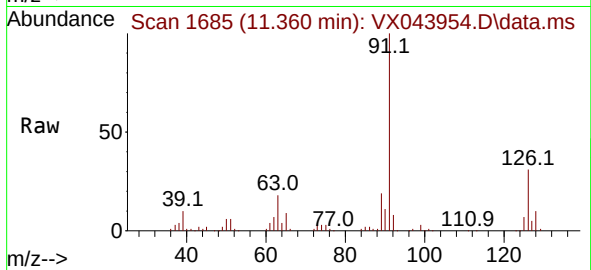




#79  
2-Chlorotoluene  
Concen: 21.366 ug/l  
RT: 11.360 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

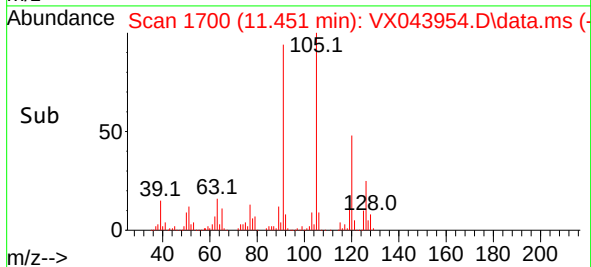
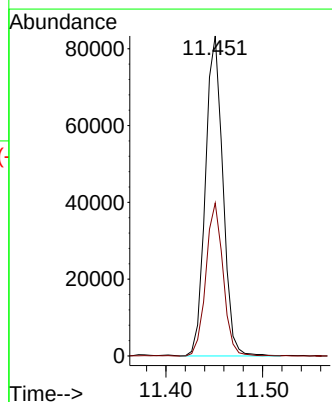
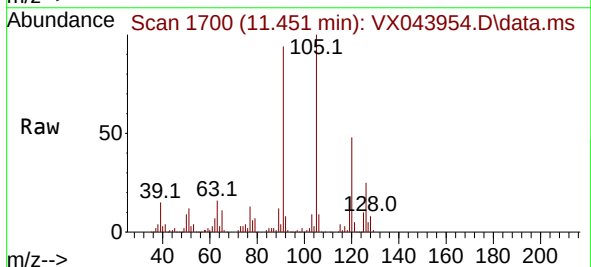
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

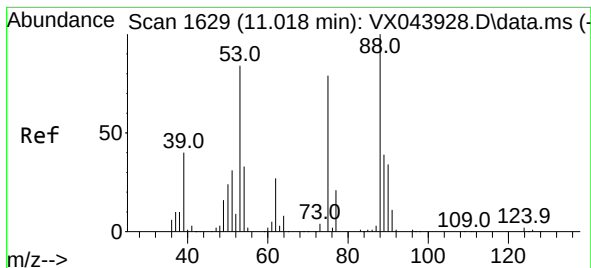
Tgt Ion: 91 Resp: 92095  
Ion Ratio Lower Upper  
91 100  
126 31.8 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 20.914 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion: 105 Resp: 105010  
Ion Ratio Lower Upper  
105 100  
120 47.1 23.3 69.8

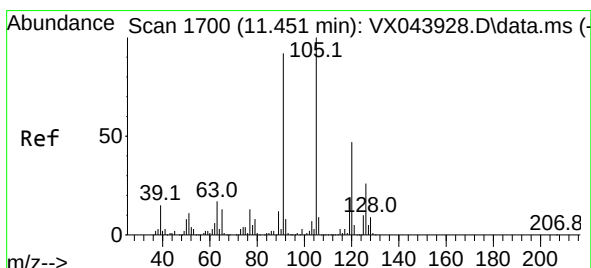
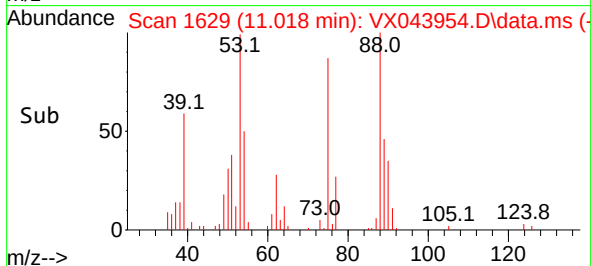
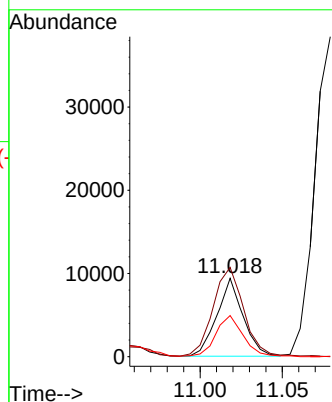
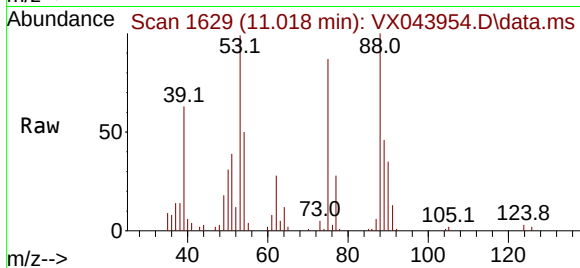




#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 16.224 ug/l  
 RT: 11.018 min Scan# 1629  
 Delta R.T. -0.000 min  
 Lab File: VX043954.D  
 Acq: 22 Nov 2024 13:02

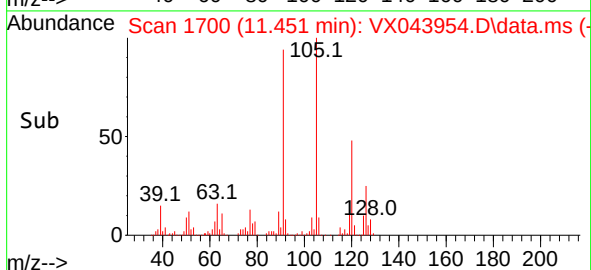
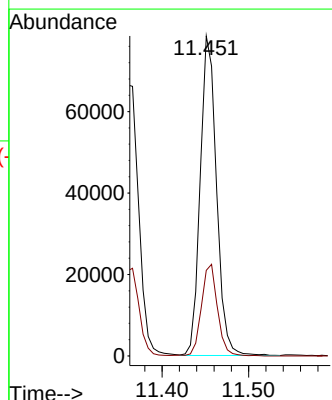
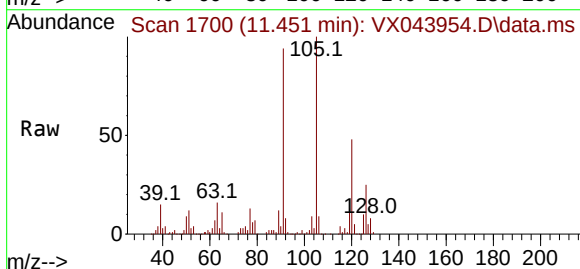
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1122WBSD01

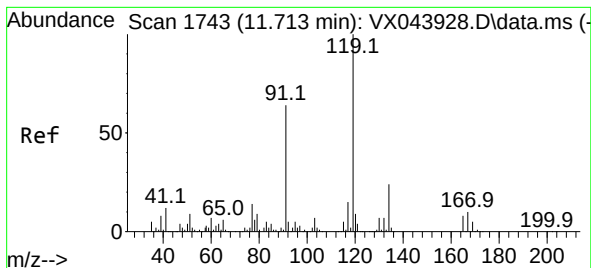
Tgt Ion: 75 Resp: 10352  
 Ion Ratio Lower Upper  
 75 100  
 53 136.0 86.7 130.1#  
 89 55.7 38.2 57.2



#82  
 4-Chlorotoluene  
 Concen: 21.075 ug/l  
 RT: 11.451 min Scan# 1700  
 Delta R.T. -0.000 min  
 Lab File: VX043954.D  
 Acq: 22 Nov 2024 13:02

Tgt Ion: 91 Resp: 102553  
 Ion Ratio Lower Upper  
 91 100  
 126 28.3 14.3 42.9





#83

tert-Butylbenzene

Concen: 21.086 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

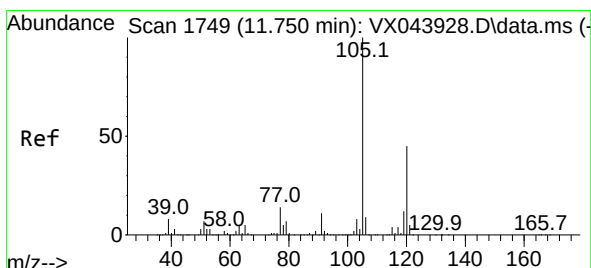
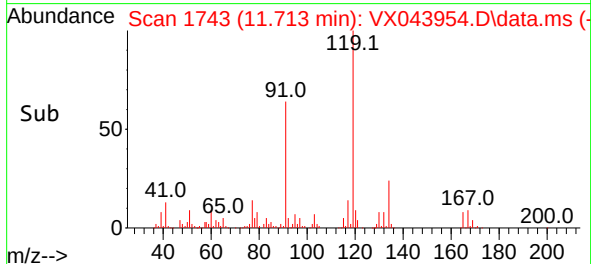
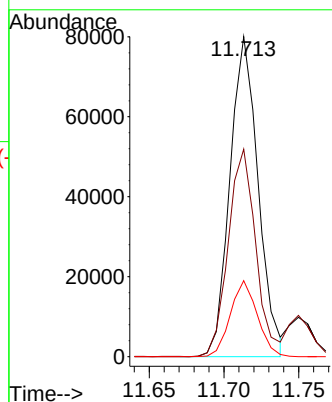
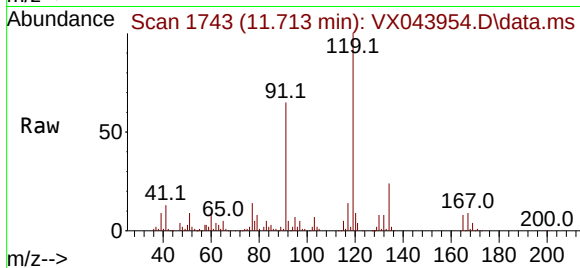
Tgt Ion:119 Resp: 104939

Ion Ratio Lower Upper

119 100

91 63.6 31.0 93.0

134 22.8 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 21.541 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043954.D

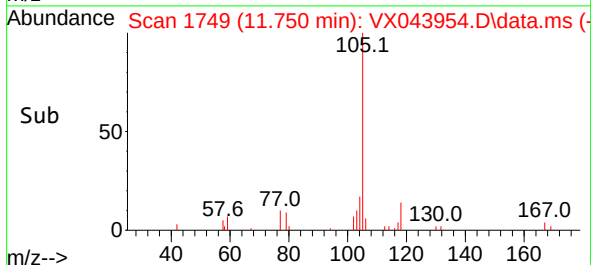
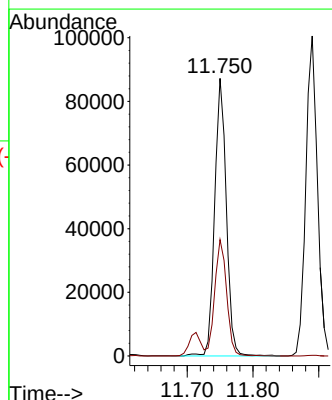
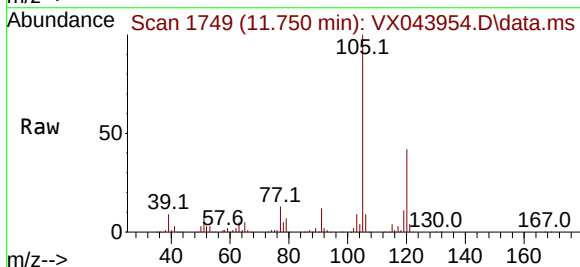
Acq: 22 Nov 2024 13:02

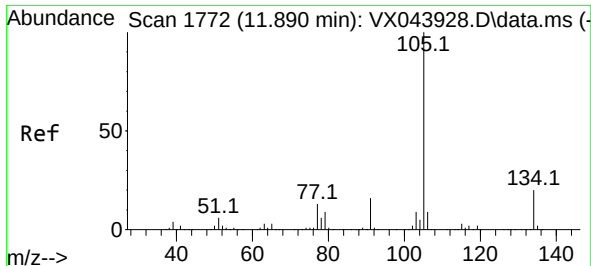
Tgt Ion:105 Resp: 107681

Ion Ratio Lower Upper

105 100

120 42.9 21.9 65.7

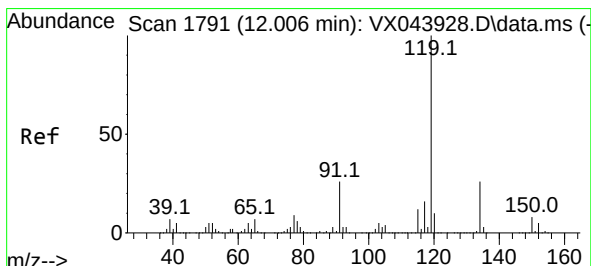
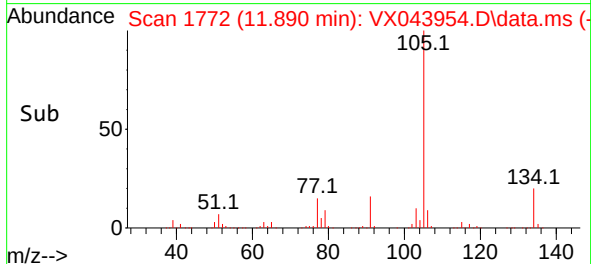
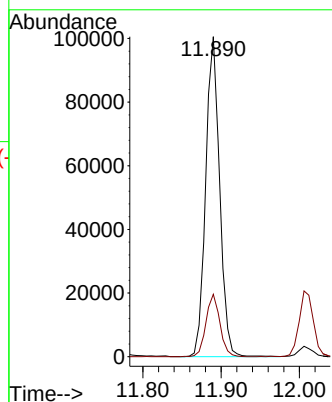
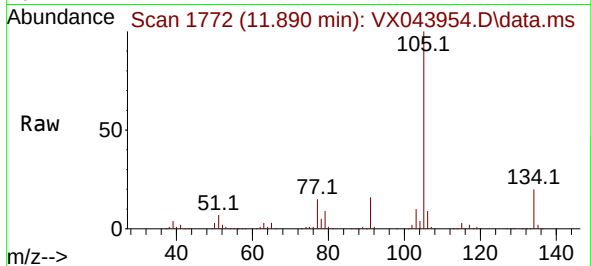




#85  
sec-Butylbenzene  
Concen: 20.336 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

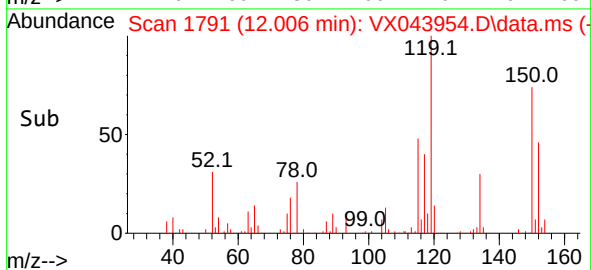
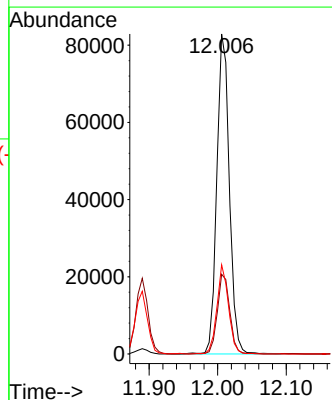
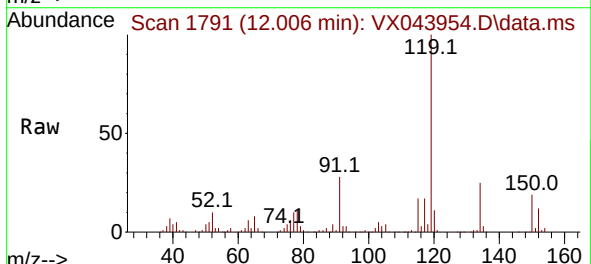
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

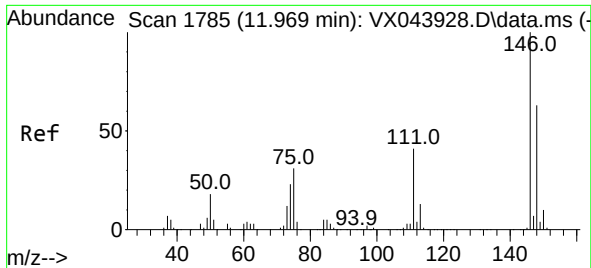
Tgt Ion:105 Resp: 124001  
Ion Ratio Lower Upper  
105 100  
134 19.4 9.7 29.1



#86  
p-Isopropyltoluene  
Concen: 21.303 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:119 Resp: 105513  
Ion Ratio Lower Upper  
119 100  
134 24.8 13.0 38.9  
91 25.8 13.0 38.9

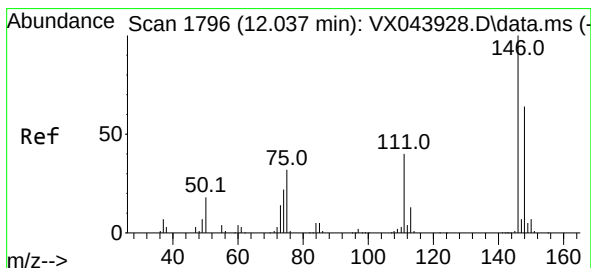
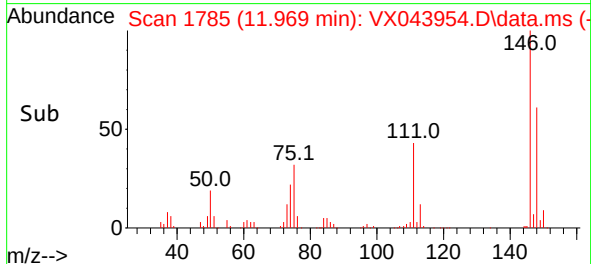
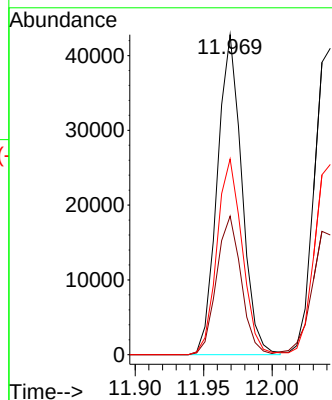
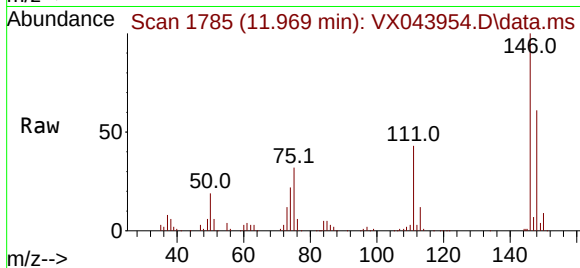




#87  
1,3-Dichlorobenzene  
Concen: 20.061 ug/l  
RT: 11.969 min Scan# 1785  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

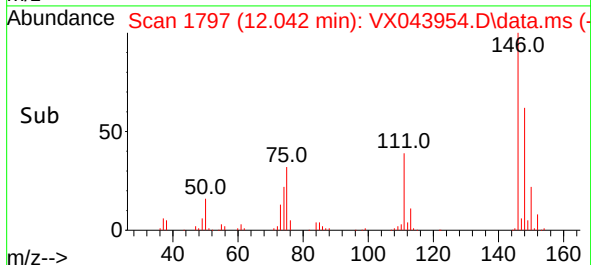
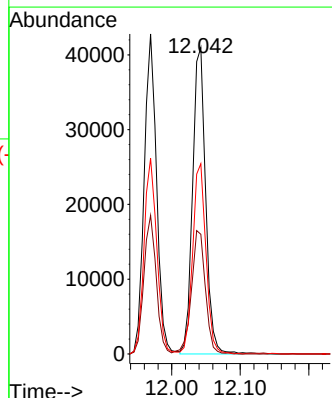
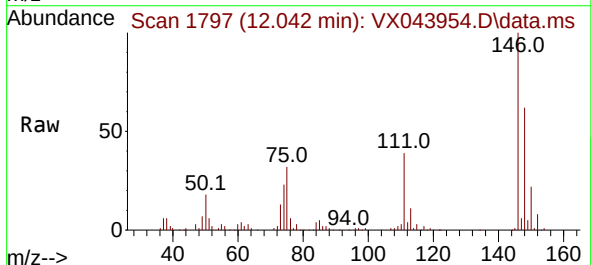
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

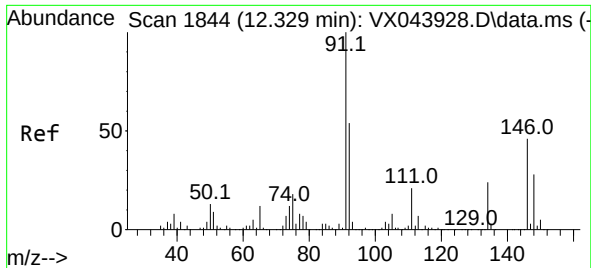
Tgt Ion:146 Resp: 53195  
Ion Ratio Lower Upper  
146 100  
111 43.5 21.1 63.3  
148 63.3 31.7 95.1



#88  
1,4-Dichlorobenzene  
Concen: 20.076 ug/l  
RT: 12.042 min Scan# 1797  
Delta R.T. 0.006 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:146 Resp: 54275  
Ion Ratio Lower Upper  
146 100  
111 43.1 20.1 60.3  
148 62.9 30.9 92.8

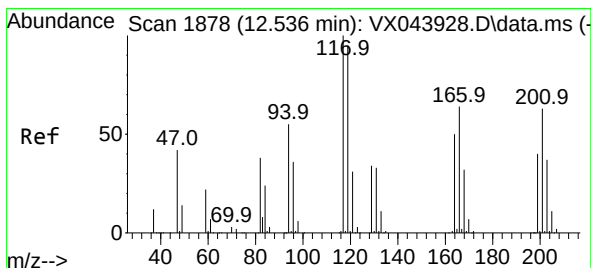
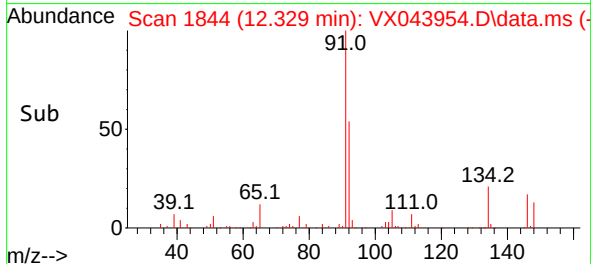
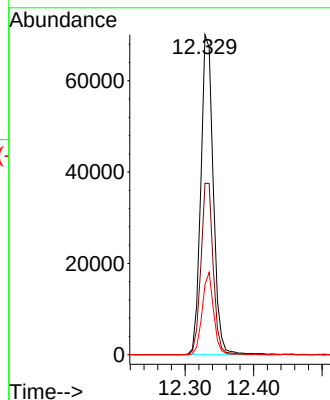
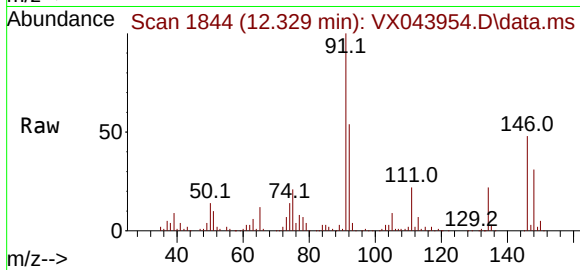




#89  
n-Butylbenzene  
Concen: 20.384 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

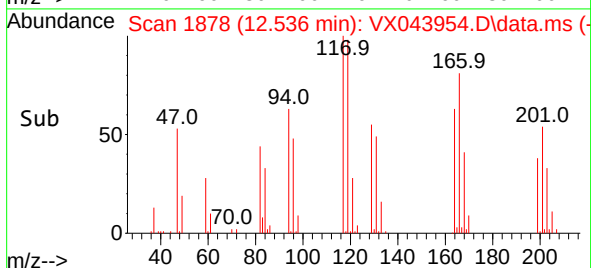
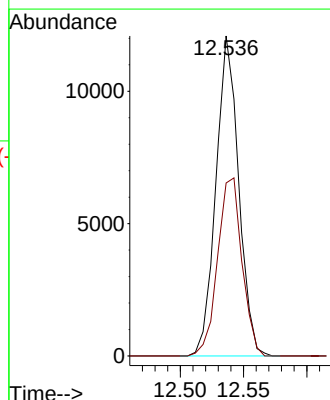
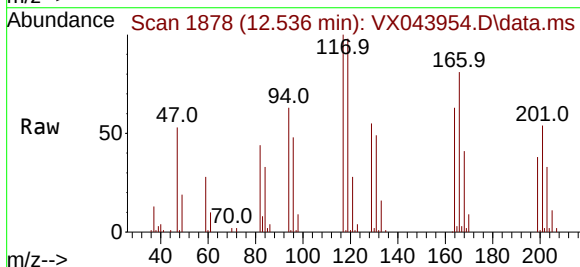
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 91    | Resp: | 89016 |
| Ion      | Ratio | Lower | Upper |
| 91       | 100   |       |       |
| 92       | 52.8  | 26.6  | 79.8  |
| 134      | 23.4  | 12.4  | 37.2  |

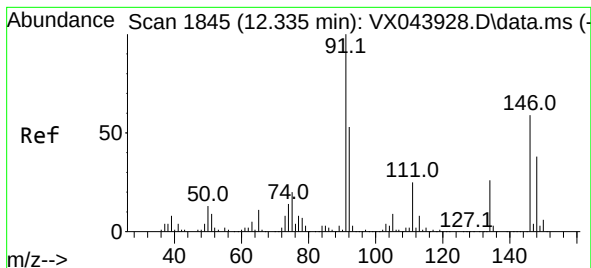


#90  
Hexachloroethane  
Concen: 17.895 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 15072 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 201      | 59.8  | 32.4  | 97.0  |







#91

1,2-Dichlorobenzene

Concen: 20.688 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

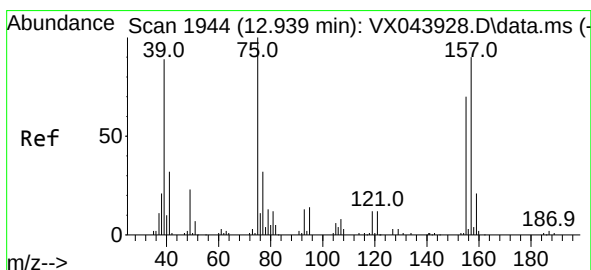
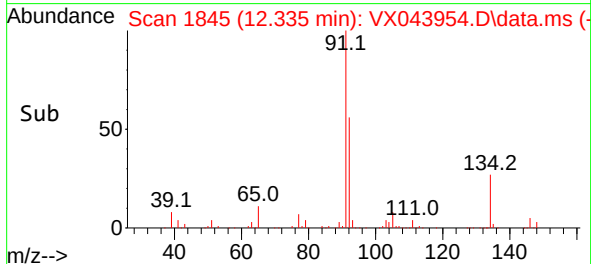
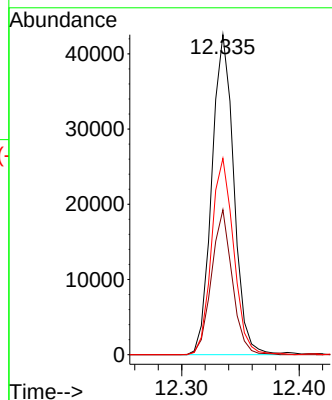
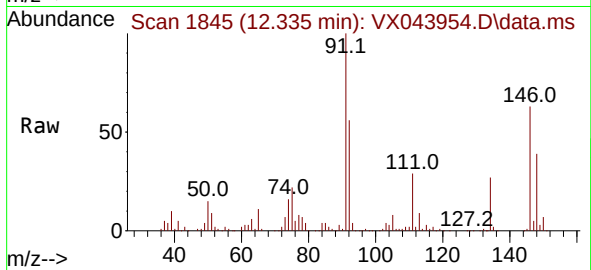
Tgt Ion:146 Resp: 55361

Ion Ratio Lower Upper

146 100

111 42.8 21.5 64.5

148 62.1 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 20.036 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

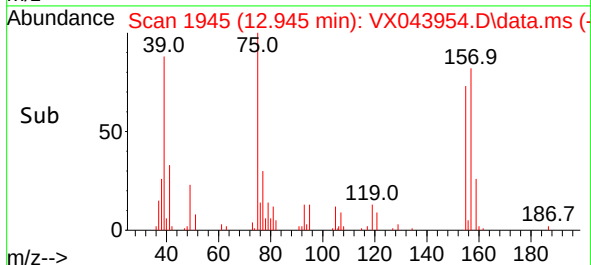
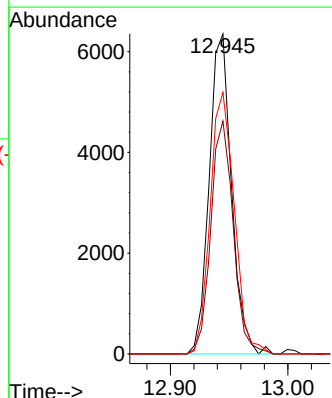
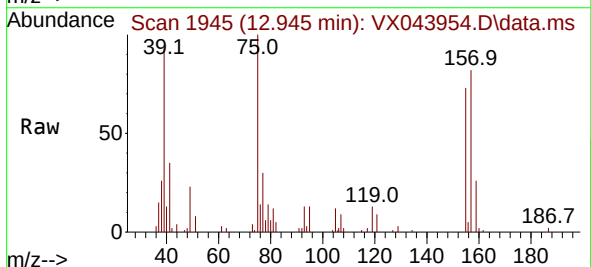
Tgt Ion: 75 Resp: 8390

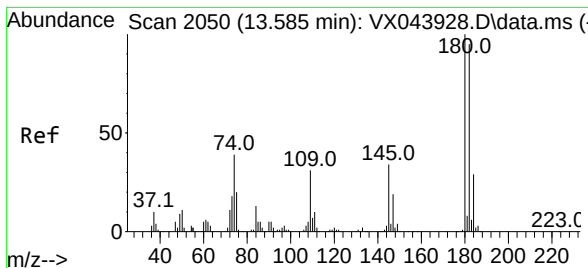
Ion Ratio Lower Upper

75 100

155 73.0 40.1 120.2

157 88.1 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 18.864 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

Instrument :

MSVOA\_X

ClientSampleId :

VX1122WBSD01

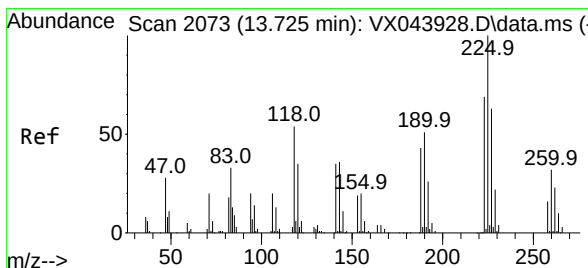
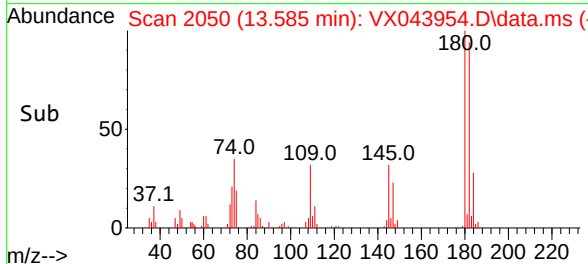
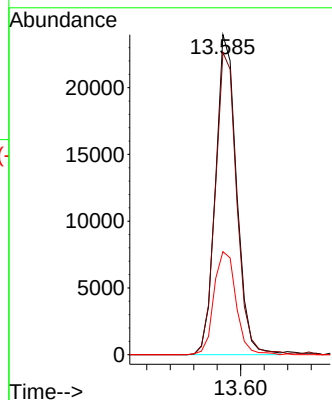
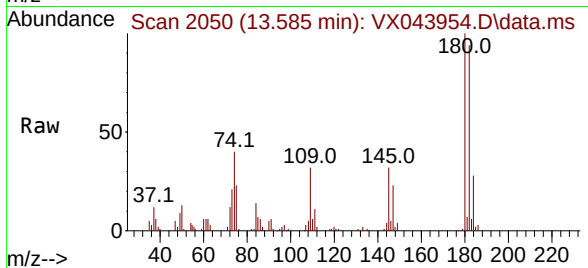
Tgt Ion:180 Resp: 29761

Ion Ratio Lower Upper

180 100

182 96.6 48.0 144.2

145 33.9 16.8 50.4



#94

Hexachlorobutadiene

Concen: 18.958 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043954.D

Acq: 22 Nov 2024 13:02

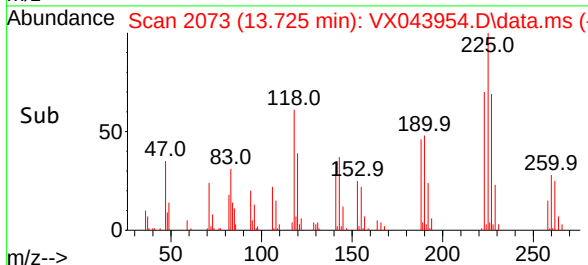
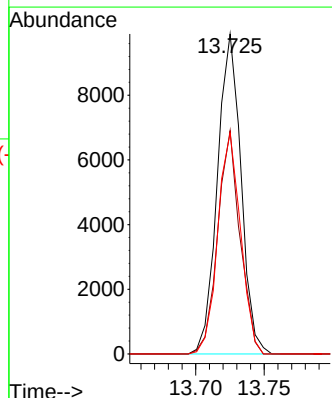
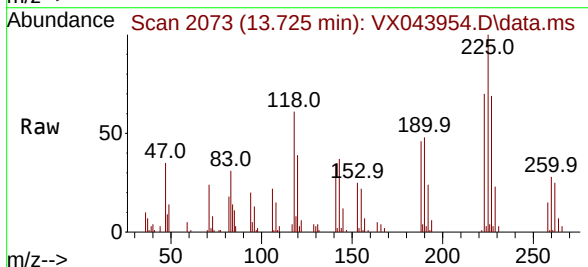
Tgt Ion:225 Resp: 11821

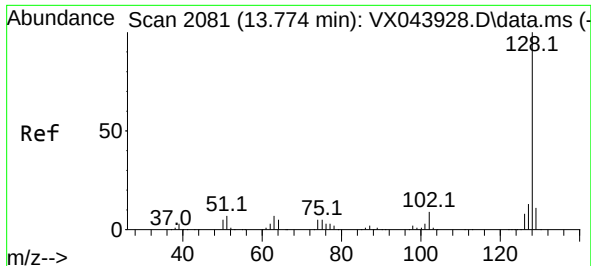
Ion Ratio Lower Upper

225 100

223 66.0 32.9 98.6

227 66.8 31.6 94.8

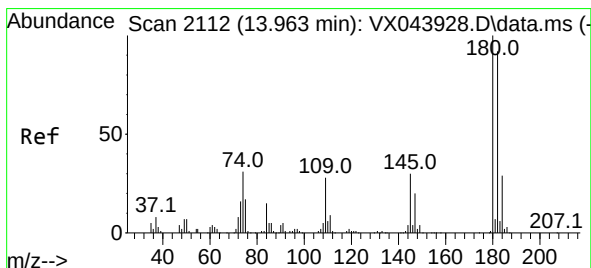
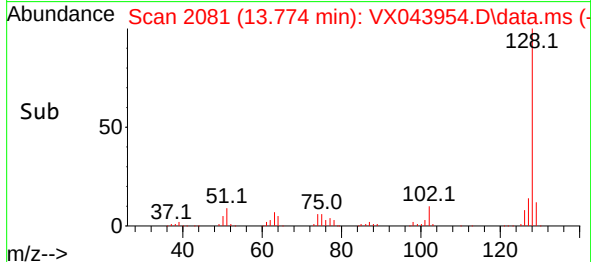
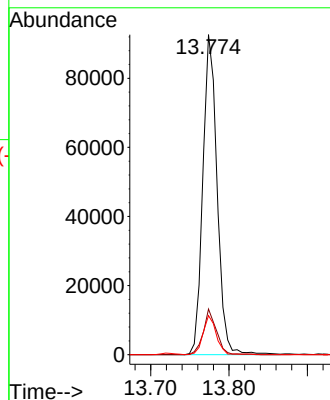
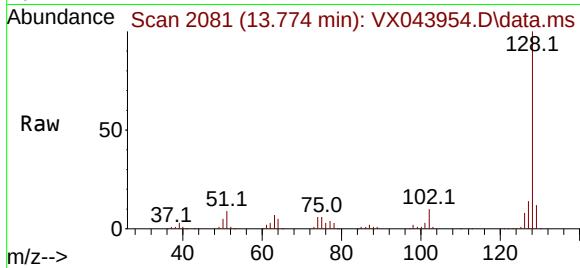




#95  
Naphthalene  
Concen: 20.640 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

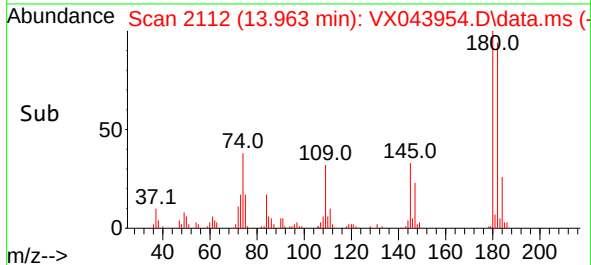
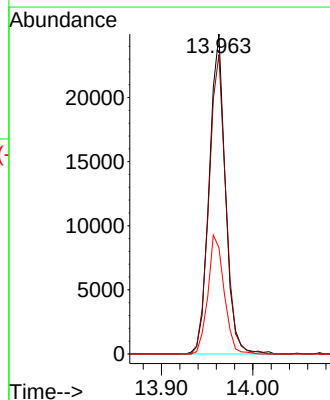
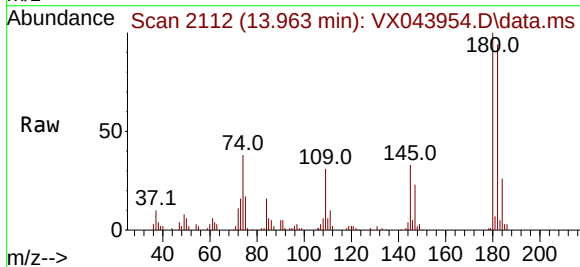
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1122WBSD01

Tgt Ion:128 Resp: 117216  
Ion Ratio Lower Upper  
128 100  
127 13.2 10.2 15.2  
129 11.4 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 19.151 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. -0.000 min  
Lab File: VX043954.D  
Acq: 22 Nov 2024 13:02

Tgt Ion:180 Resp: 30581  
Ion Ratio Lower Upper  
180 100  
182 96.9 45.6 136.8  
145 37.1 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.544  | 168   | 122980   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 223634   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049 | 117   | 188299   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.024 | 152   | 86425    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 109385   | 51.858   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 103.720% |          |
| 35) Dibromofluoromethane     | 5.379  | 113   | 80080    | 50.113   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 100.220% |          |
| 50) Toluene-d8               | 8.647  | 98    | 272032   | 49.385   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 98.780%  |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 93160    | 49.694   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 99.380%  |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167  | 85    | 68061    | 43.686   | ug/l       | 100      |
| 3) Chloromethane             | 1.295  | 50    | 74224    | 45.274   | ug/l       | 97       |
| 4) Vinyl Chloride            | 1.374  | 62    | 77794    | 44.612   | ug/l       | 96       |
| 5) Bromomethane              | 1.593  | 94    | 57584    | 53.679   | ug/l       | 100      |
| 6) Chloroethane              | 1.666  | 64    | 50694    | 47.709   | ug/l       | 100      |
| 7) Trichlorofluoromethane    | 1.868  | 101   | 166881   | 53.528   | ug/l       | 99       |
| 8) Diethyl Ether             | 2.136  | 74    | 52774    | 46.443   | ug/l       | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319  | 101   | 66870    | 44.966   | ug/l       | 98       |
| 10) Methyl Iodide            | 2.447  | 142   | 87758    | 47.250   | ug/l       | 97       |
| 11) Tert butyl alcohol       | 3.002  | 59    | 72806    | 215.043  | ug/l       | 98       |
| 12) 1,1-Dichloroethene       | 2.307  | 96    | 64902    | 45.800   | ug/l       | 96       |
| 13) Acrolein                 | 2.233  | 56    | 77602    | 217.457  | ug/l       | 97       |
| 14) Allyl chloride           | 2.654  | 41    | 113282   | 48.923   | ug/l       | 98       |
| 15) Acrylonitrile            | 3.069  | 53    | 194254   | 235.443  | ug/l       | 98       |
| 16) Acetone                  | 2.386  | 43    | 179850   | 185.644  | ug/l       | 100      |
| 17) Carbon Disulfide         | 2.502  | 76    | 127176   | 43.508   | ug/l       | 98       |
| 18) Methyl Acetate           | 2.703  | 43    | 104004   | 46.099   | ug/l       | 100      |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 257085   | 49.964   | ug/l       | 98       |
| 20) Methylene Chloride       | 2.782  | 84    | 76764    | 46.692   | ug/l       | 96       |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 70023    | 47.861   | ug/l       | 98       |
| 22) Diisopropyl ether        | 3.758  | 45    | 248613   | 50.212   | ug/l       | 92       |
| 23) Vinyl Acetate            | 3.721  | 43    | 1083211  | 255.744  | ug/l       | 99       |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 142098   | 49.748   | ug/l       | 100      |
| 25) 2-Butanone               | 4.562  | 43    | 278537   | 222.822  | ug/l       | 100      |
| 26) 2,2-Dichloropropane      | 4.471  | 77    | 117521   | 45.557   | ug/l       | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 89489    | 49.483   | ug/l       | 99       |
| 28) Bromochloromethane       | 4.891  | 49    | 63042    | 50.141   | ug/l       | 98       |
| 29) Tetrahydrofuran          | 5.007  | 42    | 175631   | 229.176  | ug/l       | 99       |
| 30) Chloroform               | 5.087  | 83    | 153240   | 49.881   | ug/l       | 98       |
| 31) Cyclohexane              | 5.458  | 56    | 108654   | 46.218   | ug/l       | 99       |
| 32) 1,1,1-Trichloroethane    | 5.373  | 97    | 135463   | 51.132   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 5.684  | 75    | 96384    | 48.403   | ug/l       | 99       |
| 37) Ethyl Acetate            | 4.715  | 43    | 111838   | 45.245   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 109113   | 48.766   | ug/l       | 99       |
| 39) Methylcyclohexane        | 7.373  | 83    | 114556   | 44.283   | ug/l       | 97       |
| 40) Benzene                  | 6.032  | 78    | 296066   | 47.732   | ug/l       | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
 Data File : VX043975.D  
 Acq On : 22 Nov 2024 21:05  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Nov 22 22:32:50 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 58876    | 46.538  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 120886   | 48.527  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 188827   | 48.002  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 70858    | 40.354  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.422  | 63   | 73488    | 48.373  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 57212    | 47.608  | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 106111   | 49.233  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 86803    | 45.987  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 23838    | 708.970 | ug/l # | 77       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 569005   | 237.028 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 179366   | 48.314  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 107403   | 48.867  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 117473   | 48.756  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 72401    | 47.244  | ug/l   | 95       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 118682   | 49.720  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 123967   | 48.020  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 279741   | 213.469 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 420948   | 233.298 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 73109    | 47.547  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 76113    | 49.118  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 57495    | 46.307  | ug/l   | 93       |
| 65) Chlorobenzene             | 10.080 | 112  | 197185   | 47.680  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 66254    | 49.398  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 341272   | 48.699  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 259471   | 99.287  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 127383   | 49.924  | ug/l   | 96       |
| 70) Styrene                   | 10.653 | 104  | 215795   | 51.134  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 45026    | 44.579  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 327150   | 49.244  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 158903   | 51.633  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 112173   | 49.312  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 122618   | 64.696  | ug/l   | 83       |
| 77) Bromobenzene              | 11.195 | 156  | 76053    | 47.990  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 379686   | 51.172  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 231439   | 49.328  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 277669   | 50.803  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 30621    | 44.087  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 265745   | 50.170  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 275078   | 50.777  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 274500   | 50.446  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 325633   | 49.060  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 271259   | 50.312  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 135787   | 47.044  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 137836   | 46.839  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 240255   | 50.543  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 44170    | 48.179  | ug/l   | 93       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 139290   | 47.819  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 21512    | 47.196  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 80863    | 47.087  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 29838    | 43.962  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 311837   | 50.444  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 87371    | 50.266  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112224\  
Data File : VX043975.D  
Acq On : 22 Nov 2024 21:05  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

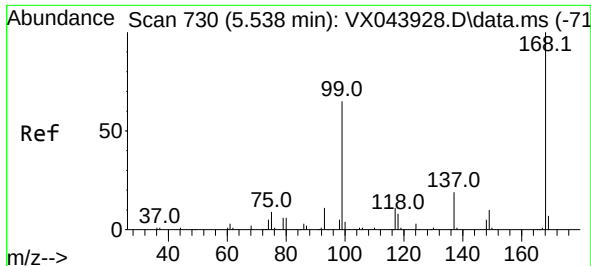
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

Quant Time: Nov 22 22:32:50 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

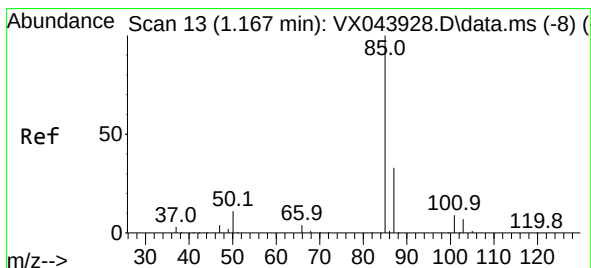
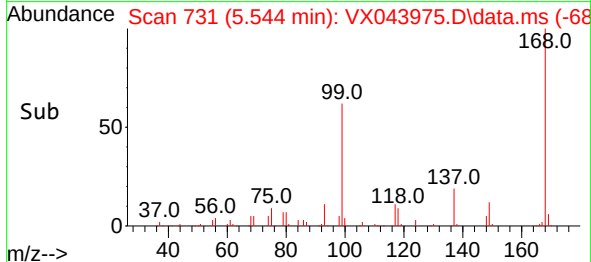
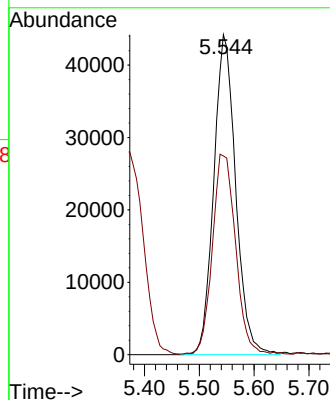
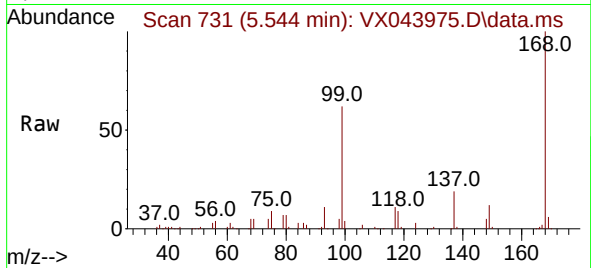




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

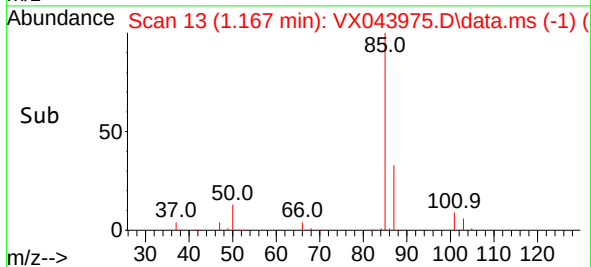
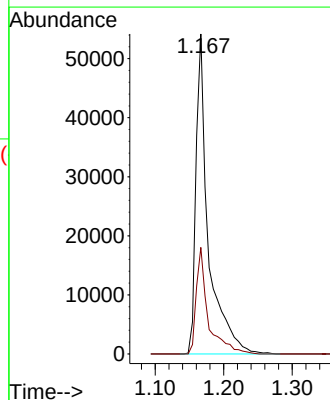
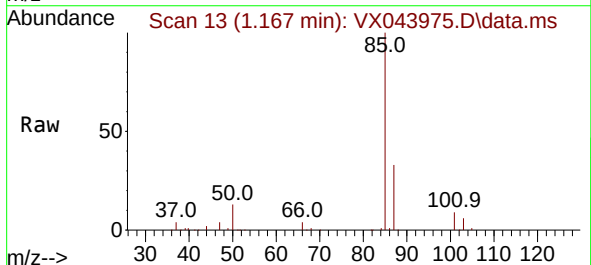
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 122980  
Ion Ratio Lower Upper  
168 100  
99 61.9 51.8 77.8

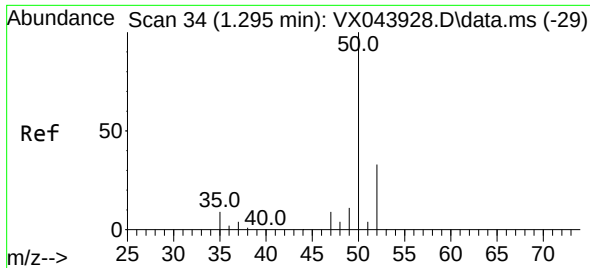


#2  
Dichlorodifluoromethane  
Concen: 43.686 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 85 Resp: 68061  
Ion Ratio Lower Upper  
85 100  
87 33.3 16.6 49.8



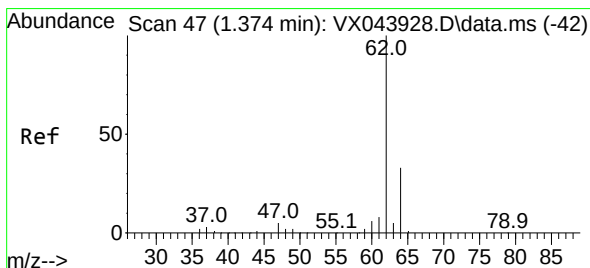
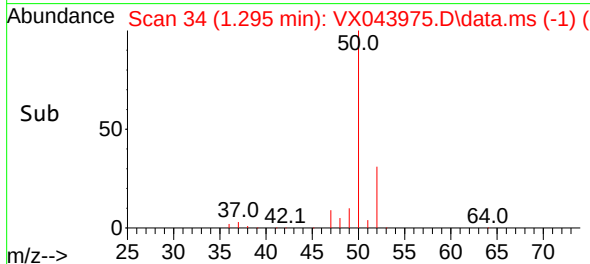
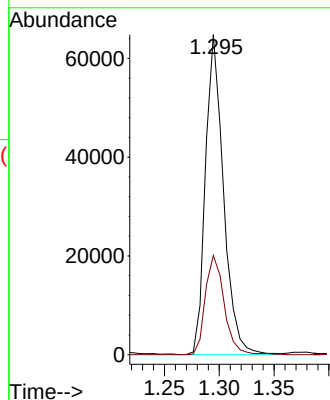
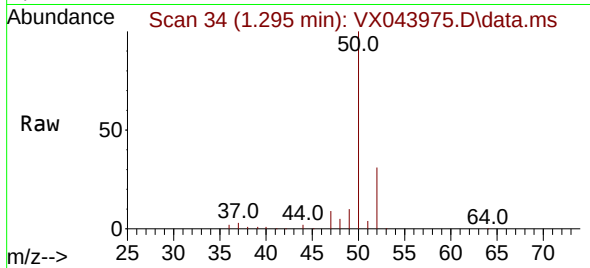




#3  
Chloromethane  
Concen: 45.274 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

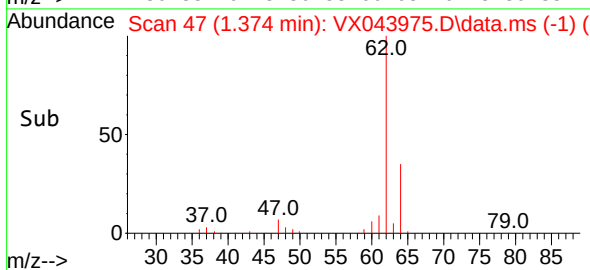
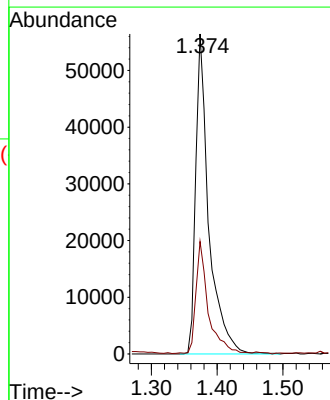
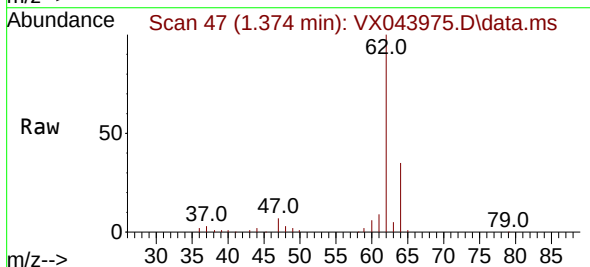
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

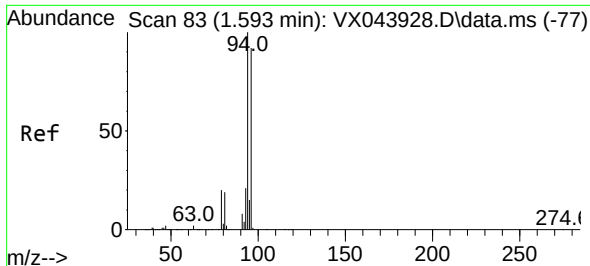
Tgt Ion: 50 Resp: 74224  
Ion Ratio Lower Upper  
50 100  
52 31.0 26.1 39.1



#4  
Vinyl Chloride  
Concen: 44.612 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 77794  
Ion Ratio Lower Upper  
62 100  
64 34.8 26.2 39.4

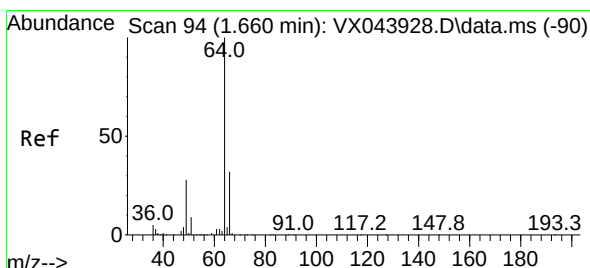
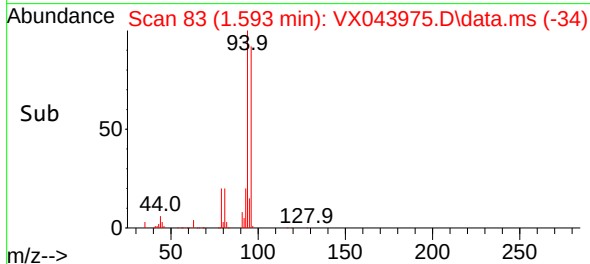
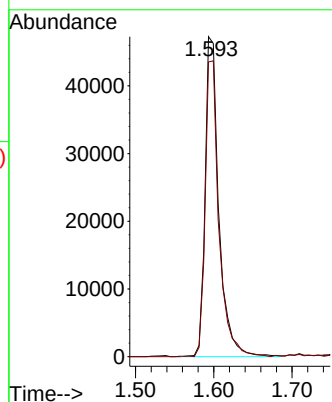
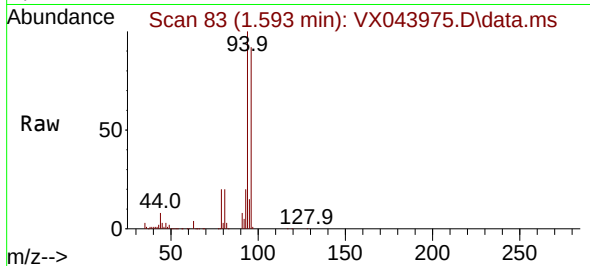




#5  
Bromomethane  
Concen: 53.679 ug/l  
RT: 1.593 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

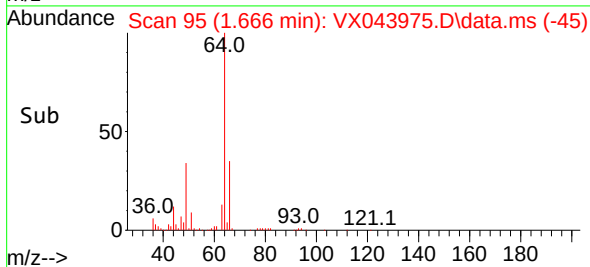
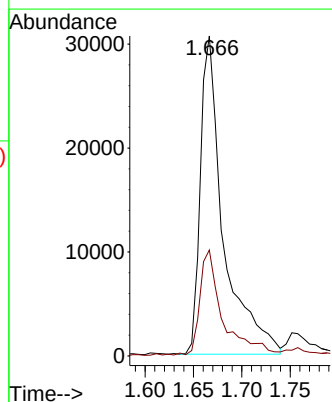
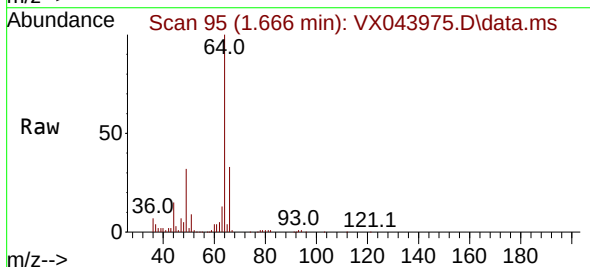
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

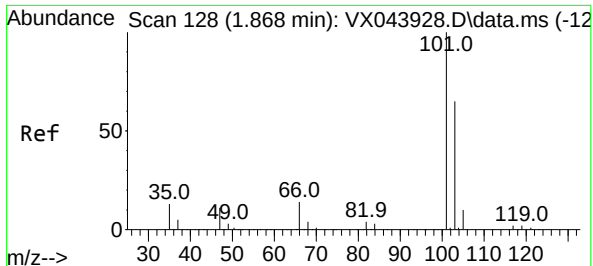
Tgt Ion: 94 Resp: 57584  
Ion Ratio Lower Upper  
94 100  
96 91.9 73.9 110.9



#6  
Chloroethane  
Concen: 47.709 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 64 Resp: 50694  
Ion Ratio Lower Upper  
64 100  
66 32.4 25.9 38.9

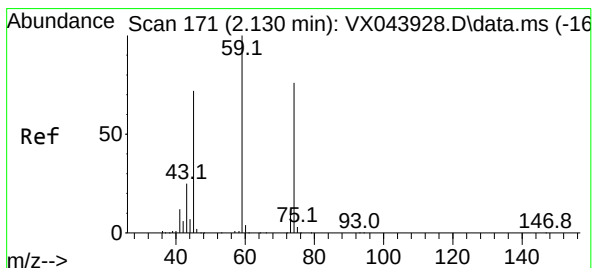
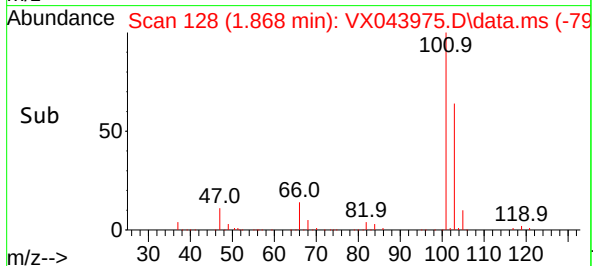
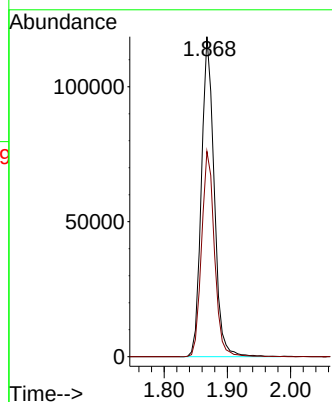
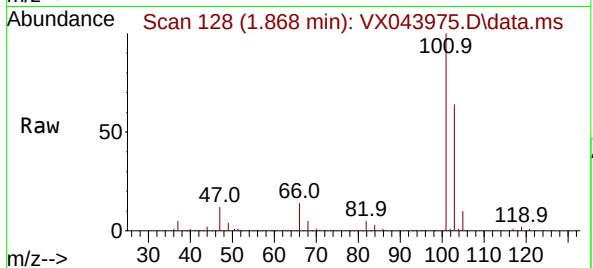




#7  
Trichlorofluoromethane  
Concen: 53.528 ug/l  
RT: 1.868 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

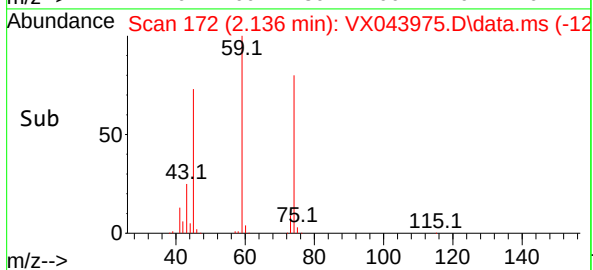
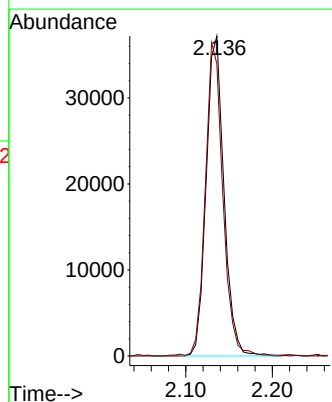
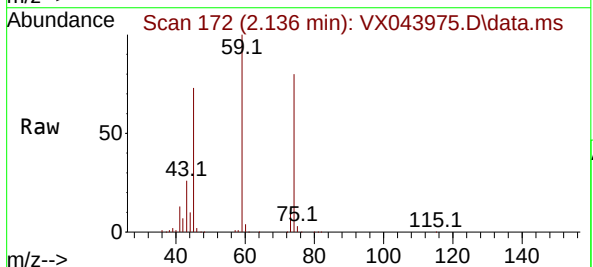
Instrument :  
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ClientSampleId :  
VSTDCCC050EC

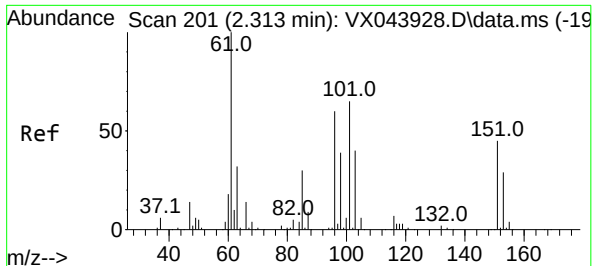
Tgt Ion:101 Resp: 166881  
Ion Ratio Lower Upper  
101 100  
103 64.1 52.2 78.2



#8  
Diethyl Ether  
Concen: 46.443 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 74 Resp: 52774  
Ion Ratio Lower Upper  
74 100  
45 97.1 47.9 143.6

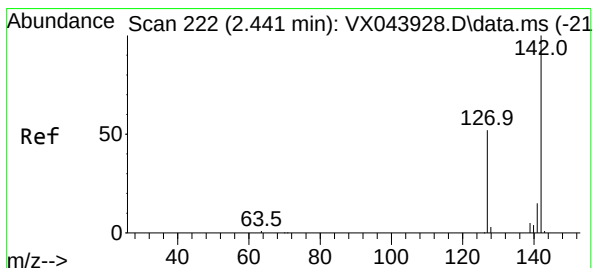
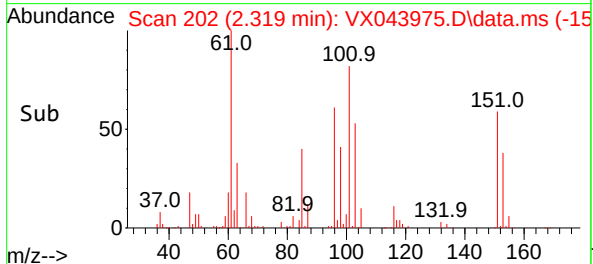
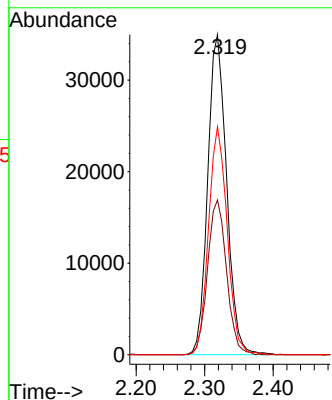
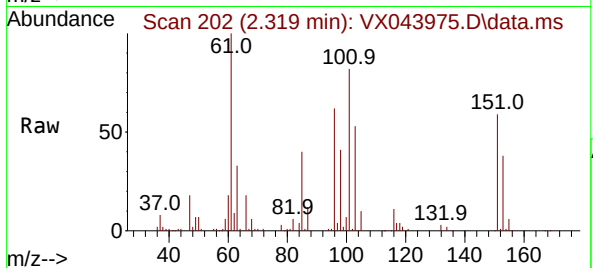




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.966 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

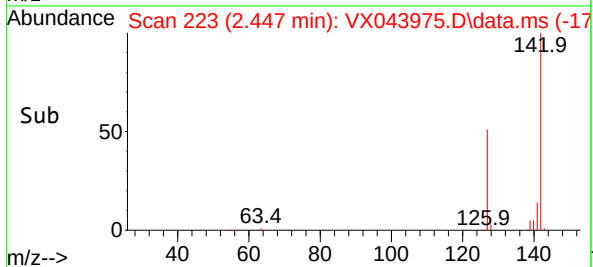
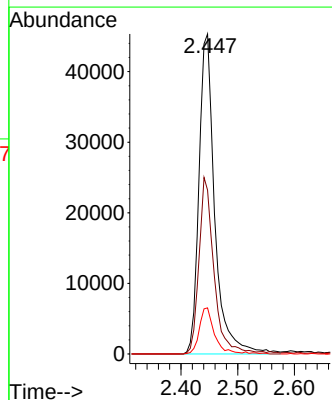
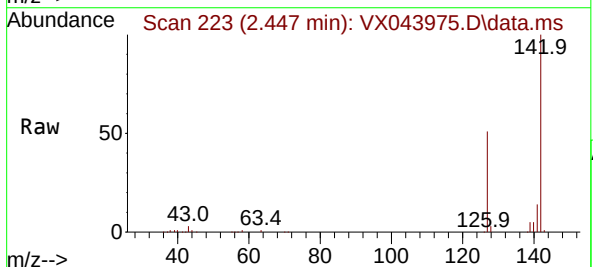
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

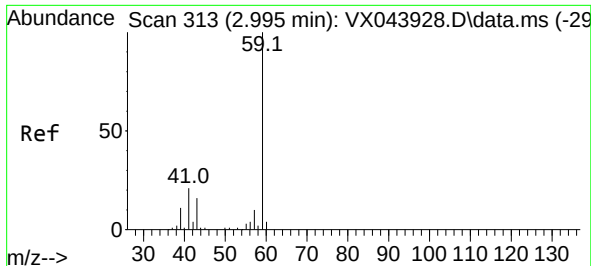
Tgt Ion:101 Resp: 66870  
Ion Ratio Lower Upper  
101 100  
85 48.8 37.9 56.9  
151 70.6 57.5 86.3



#10  
Methyl Iodide  
Concen: 47.250 ug/l  
RT: 2.447 min Scan# 223  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion:142 Resp: 87758  
Ion Ratio Lower Upper  
142 100  
127 53.0 40.7 61.1  
141 13.6 12.0 18.0

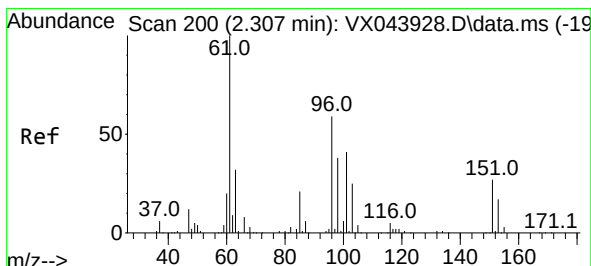
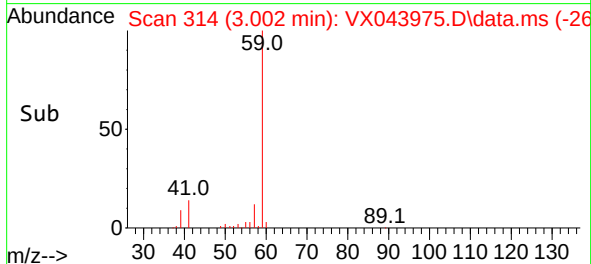
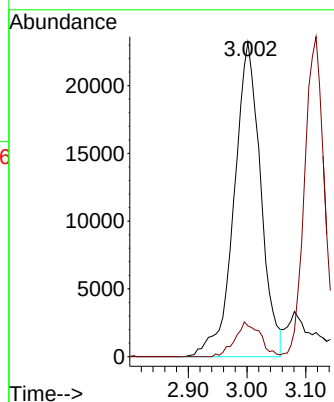
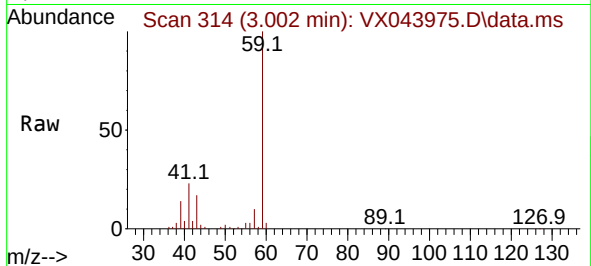




#11  
Tert butyl alcohol  
Concen: 215.043 ug/l  
RT: 3.002 min Scan# 313  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

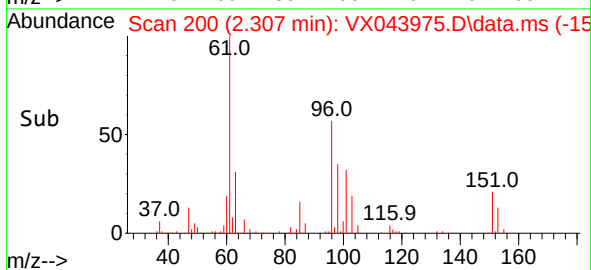
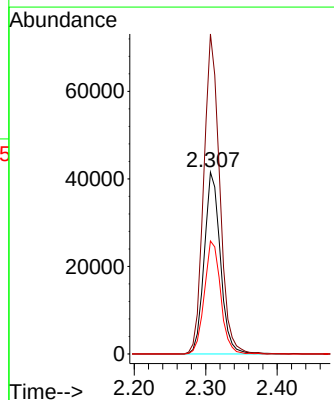
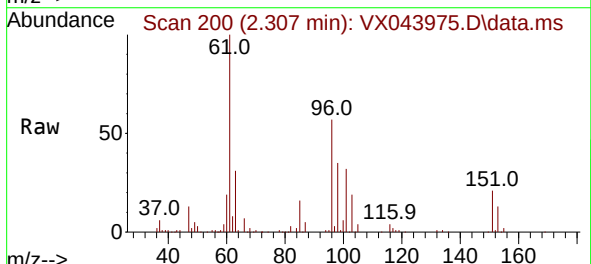
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

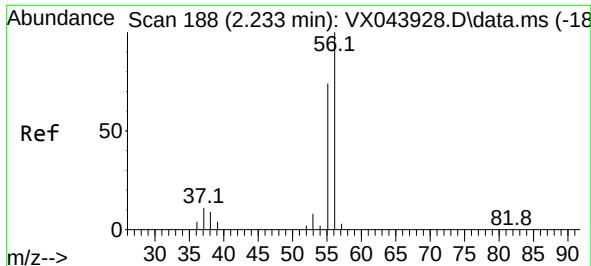
Tgt Ion: 59 Resp: 72806  
Ion Ratio Lower Upper  
59 100  
57 10.5 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 45.800 ug/l  
RT: 2.307 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 96 Resp: 64902  
Ion Ratio Lower Upper  
96 100  
61 176.1 135.5 203.3  
98 62.2 50.8 76.2

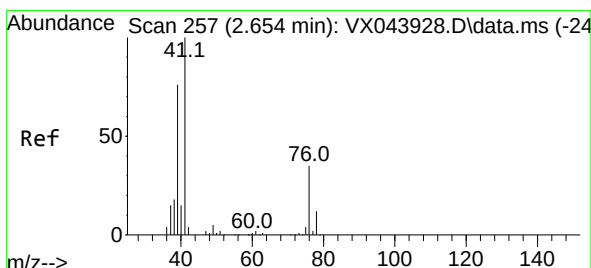
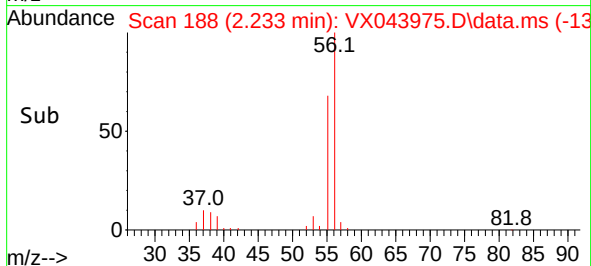
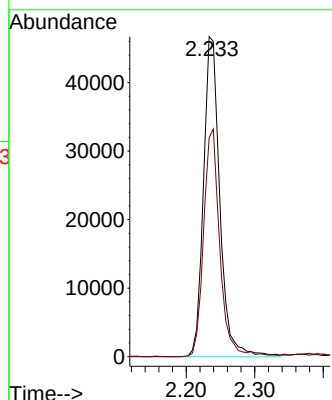
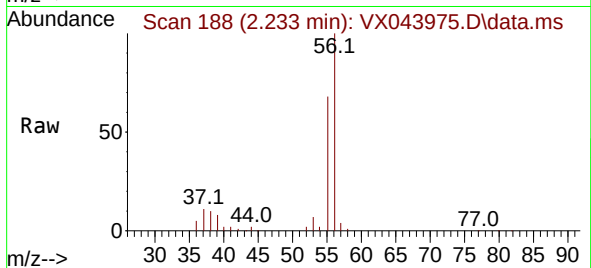




#13  
Acrolein  
Concen: 217.457 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

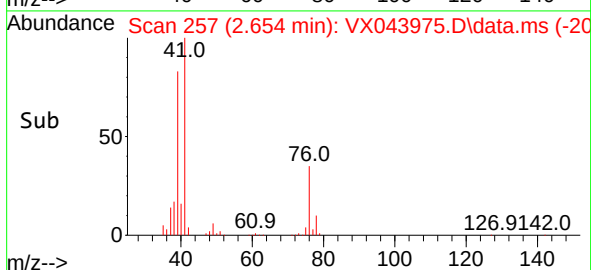
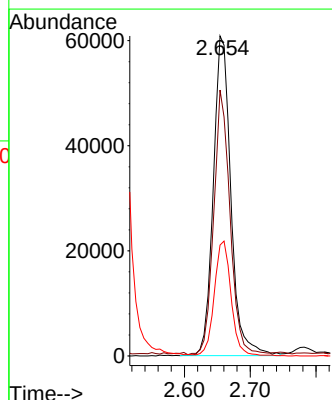
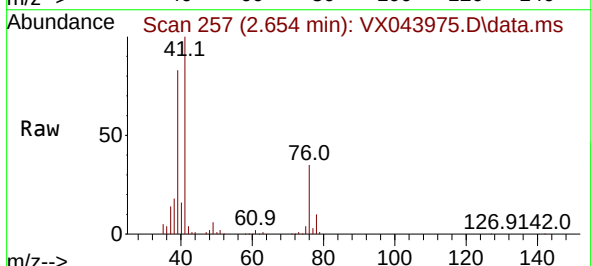
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

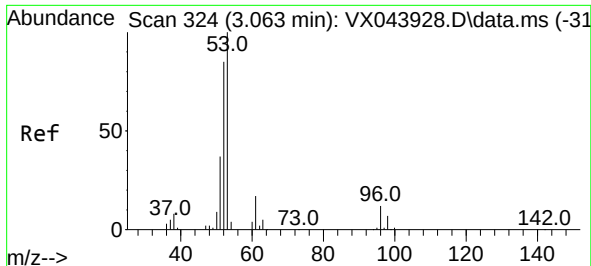
Tgt Ion: 56 Resp: 77602  
Ion Ratio Lower Upper  
56 100  
55 70.5 58.2 87.2



#14  
Allyl chloride  
Concen: 48.923 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 113282  
Ion Ratio Lower Upper  
41 100  
39 76.8 59.5 89.3  
76 34.4 27.4 41.2

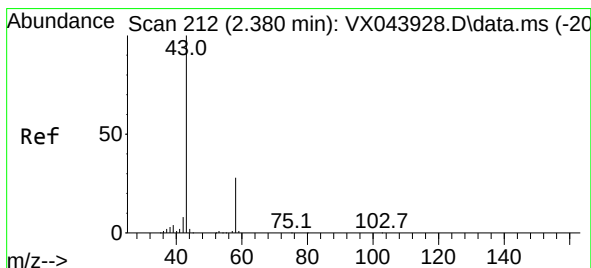
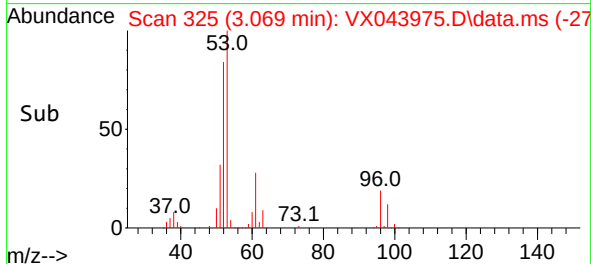
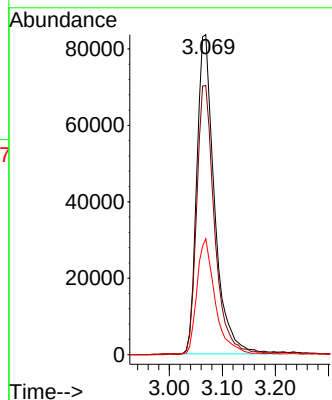
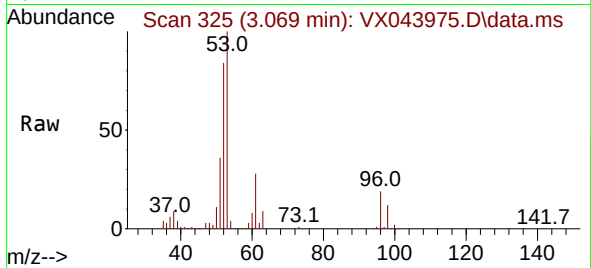




#15  
Acrylonitrile  
Concen: 235.443 ug/l  
RT: 3.069 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

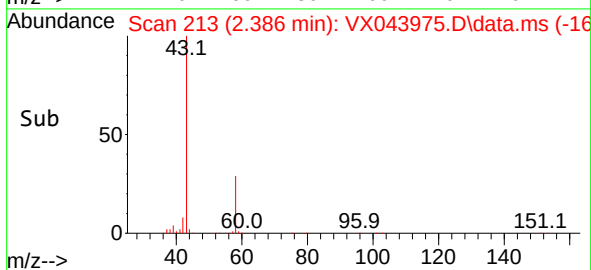
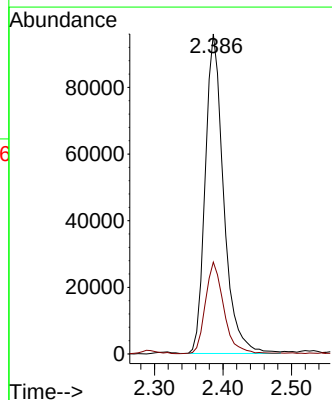
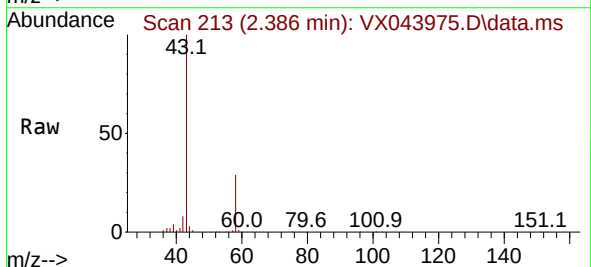
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

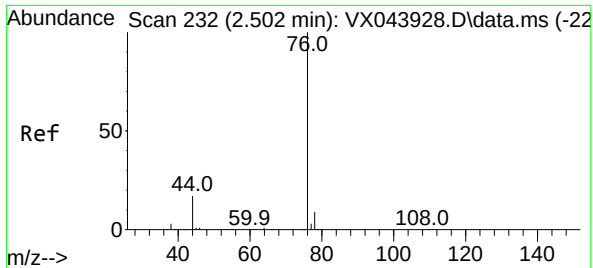
Tgt Ion: 53 Resp: 194254  
Ion Ratio Lower Upper  
53 100  
52 85.2 66.5 99.7  
51 36.6 30.2 45.4



#16  
Acetone  
Concen: 185.644 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 179850  
Ion Ratio Lower Upper  
43 100  
58 28.6 22.7 34.1

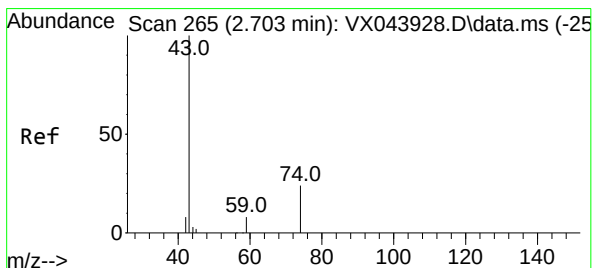
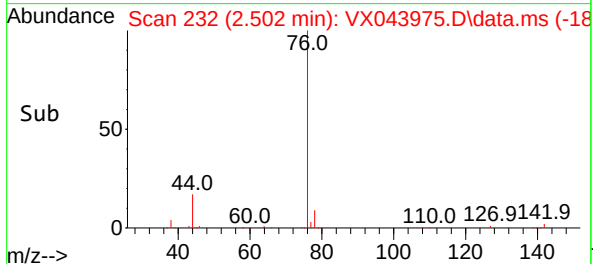
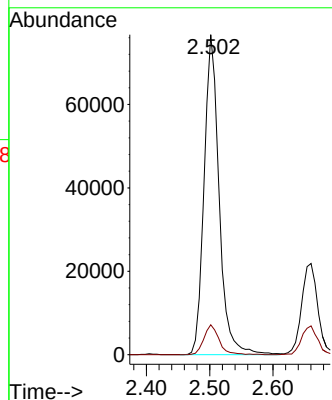
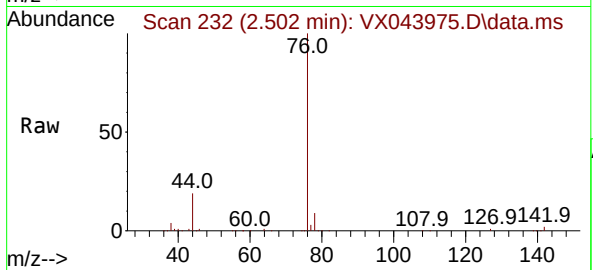




#17  
Carbon Disulfide  
Concen: 43.508 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

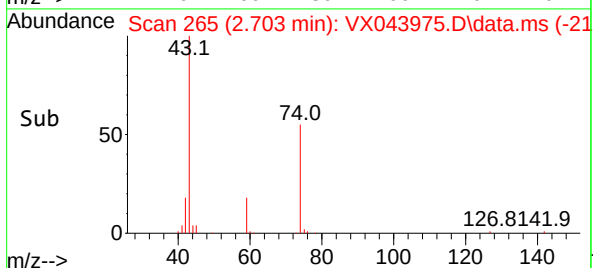
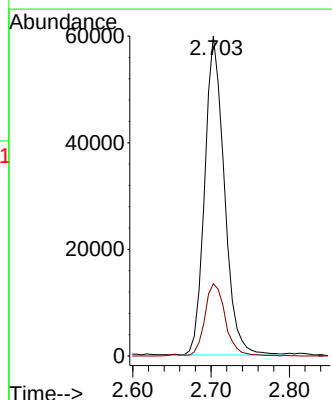
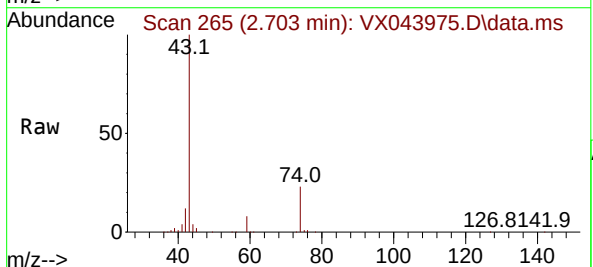
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 127176  
Ion Ratio Lower Upper  
76 100  
78 9.4 7.0 10.6

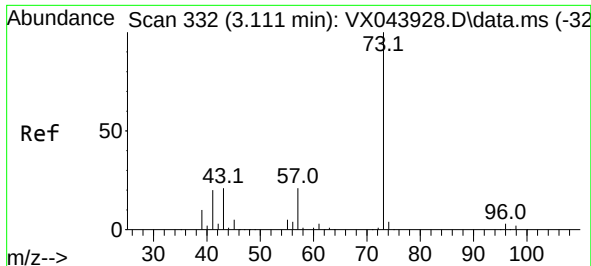


#18  
Methyl Acetate  
Concen: 46.099 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 104004  
Ion Ratio Lower Upper  
43 100  
74 23.7 18.9 28.3



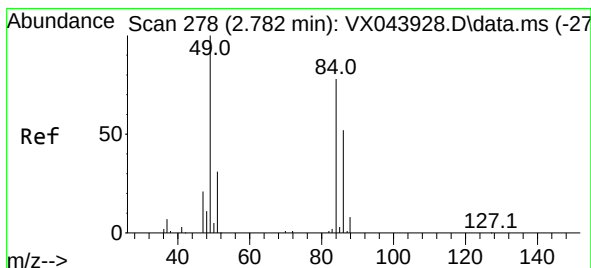
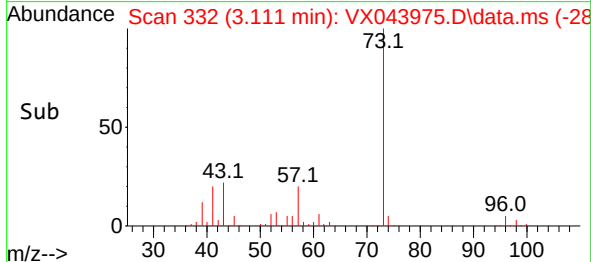
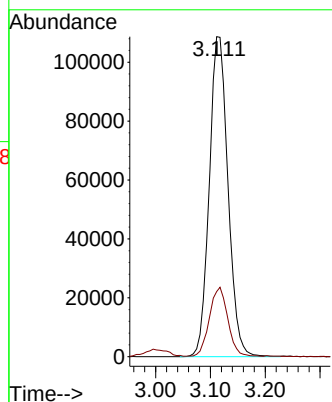
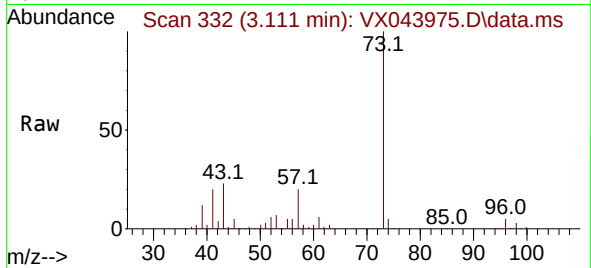




#19  
Methyl tert-butyl Ether  
Concen: 49.964 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

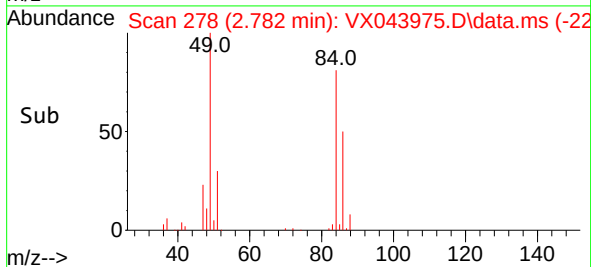
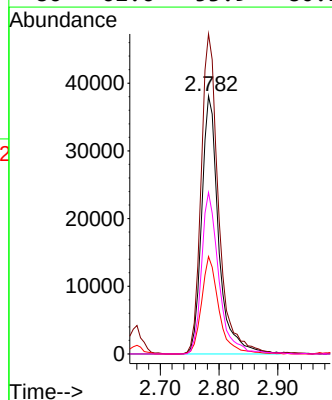
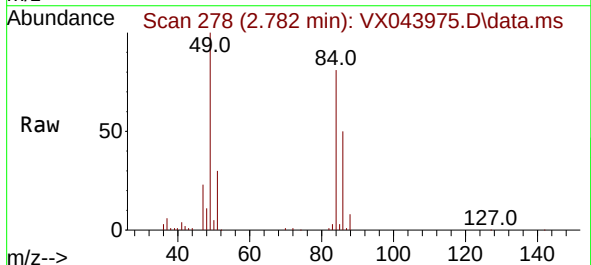
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

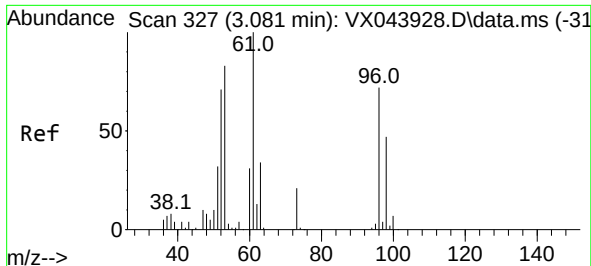
Tgt Ion: 73 Resp: 257085  
Ion Ratio Lower Upper  
73 100  
57 20.2 17.0 25.6



#20  
Methylene Chloride  
Concen: 46.692 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 84 Resp: 76764  
Ion Ratio Lower Upper  
84 100  
49 124.0 102.7 154.1  
51 37.8 31.7 47.5  
86 62.6 53.9 80.9

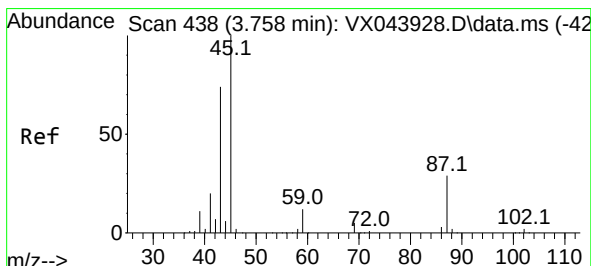
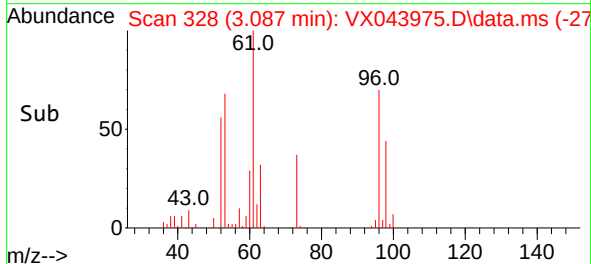
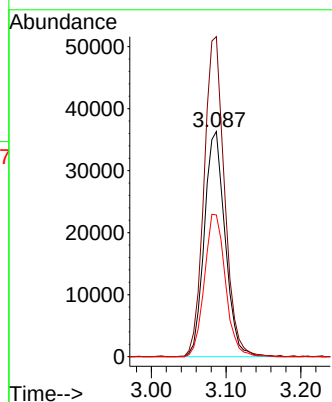
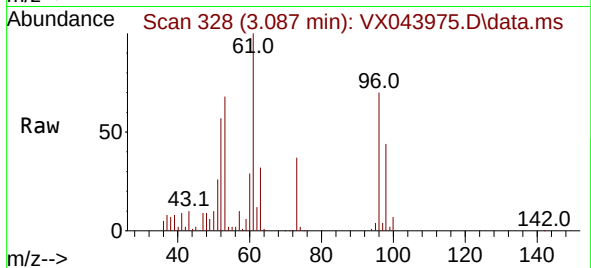




#21  
trans-1,2-Dichloroethene  
Concen: 47.861 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

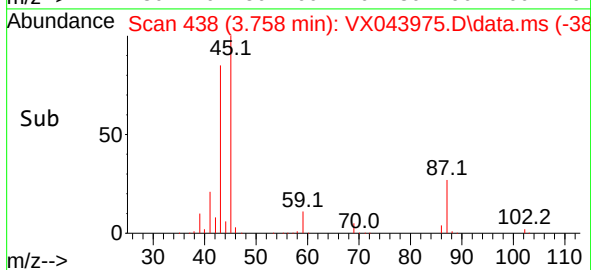
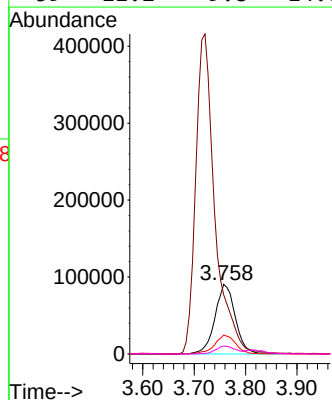
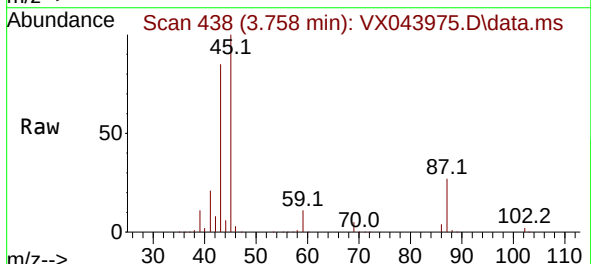
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

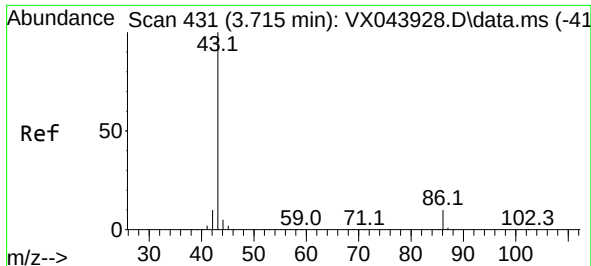
Tgt Ion: 96 Resp: 70023  
Ion Ratio Lower Upper  
96 100  
61 141.9 111.8 167.6  
98 63.0 52.7 79.1



#22  
Diisopropyl ether  
Concen: 50.212 ug/l  
RT: 3.758 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 45 Resp: 248613  
Ion Ratio Lower Upper  
45 100  
43 84.4 59.6 89.4  
87 27.2 22.9 34.3  
59 11.2 9.8 14.6

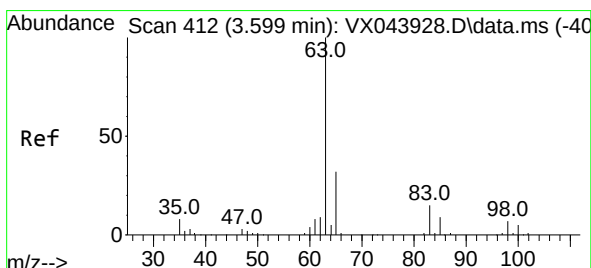
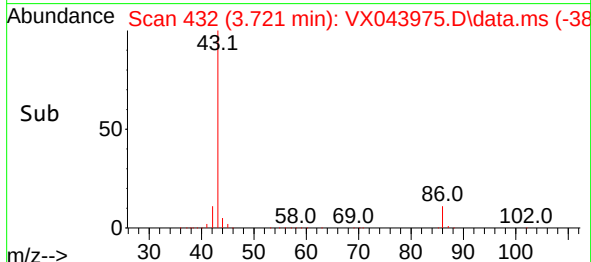
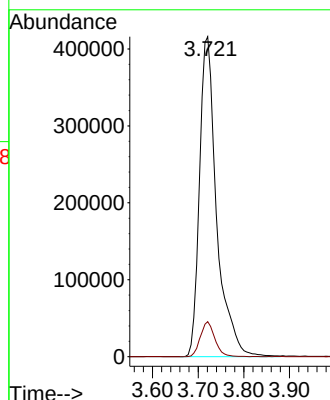
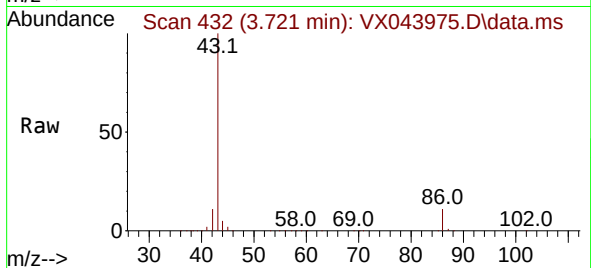




#23  
 Vinyl Acetate  
 Concen: 255.744 ug/l  
 RT: 3.721 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX043975.D  
 Acq: 22 Nov 2024 21:05

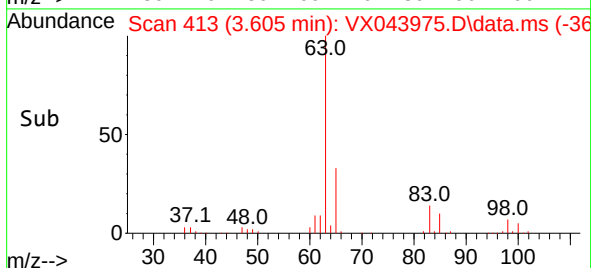
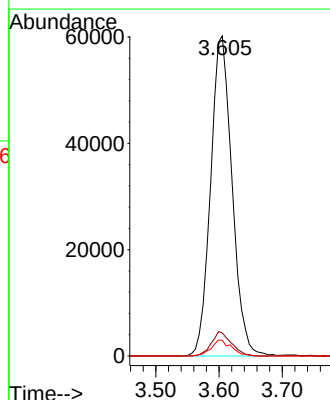
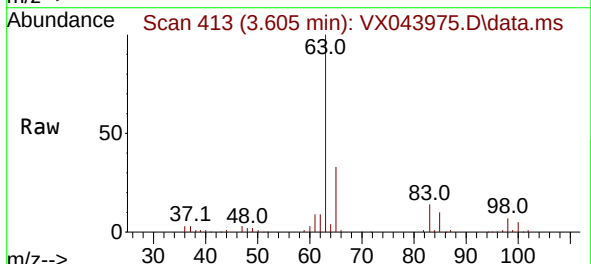
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

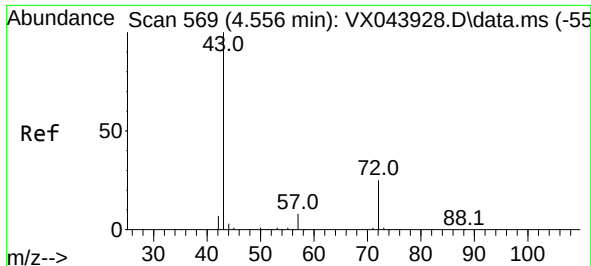
Tgt Ion: 43 Resp: 1083211  
 Ion Ratio Lower Upper  
 43 100  
 86 11.0 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 49.748 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX043975.D  
 Acq: 22 Nov 2024 21:05

Tgt Ion: 63 Resp: 142098  
 Ion Ratio Lower Upper  
 63 100  
 98 7.2 3.5 10.6  
 100 4.9 2.4 7.1

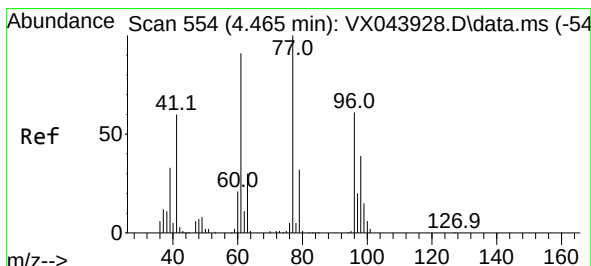
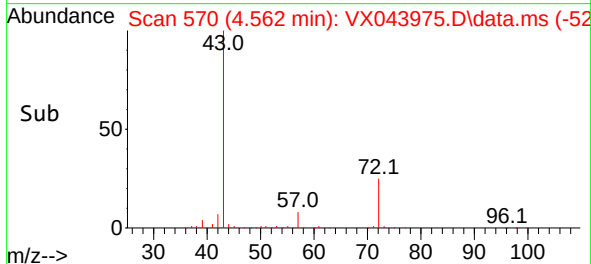
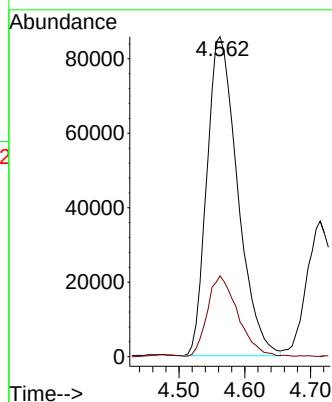
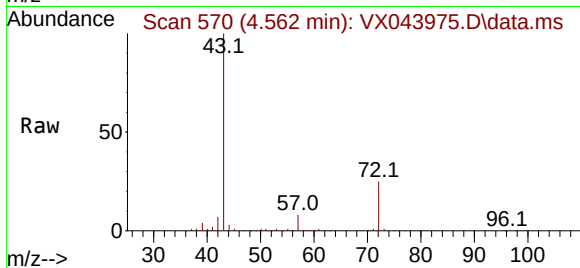




#25  
2-Butanone  
Concen: 222.822 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

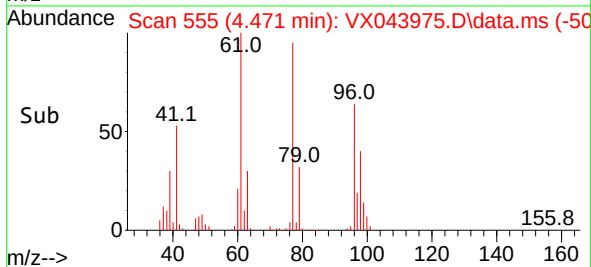
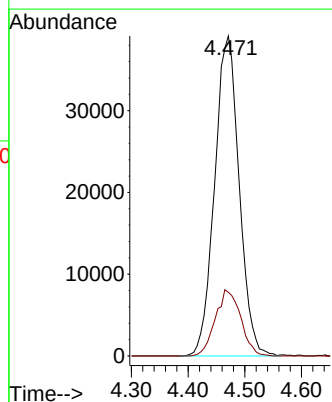
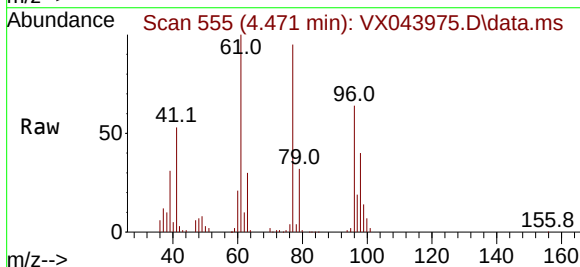
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

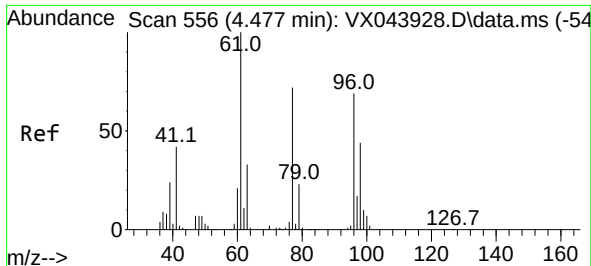
Tgt Ion: 43 Resp: 278537  
Ion Ratio Lower Upper  
43 100  
72 25.0 20.2 30.2



#26  
2,2-Dichloropropane  
Concen: 45.557 ug/l  
RT: 4.471 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 77 Resp: 117521  
Ion Ratio Lower Upper  
77 100  
97 21.4 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 49.483 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

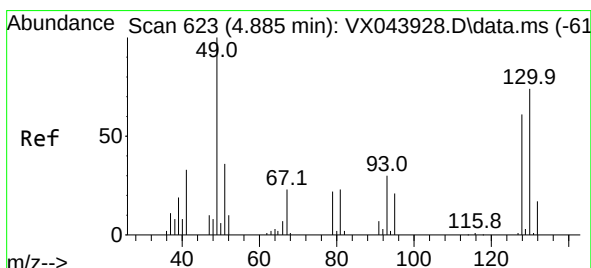
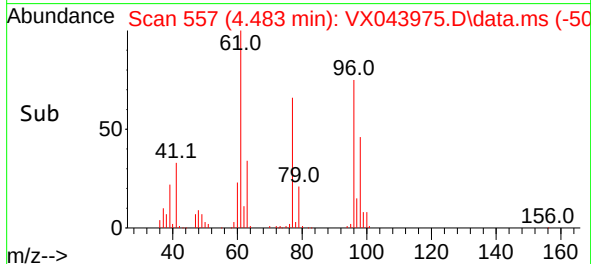
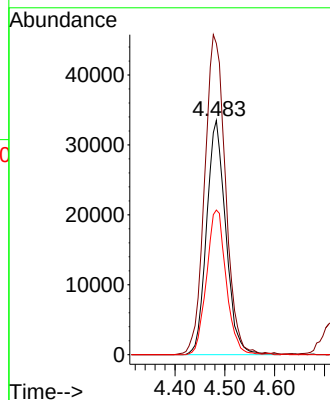
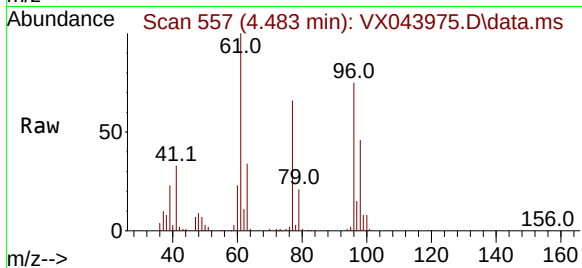
Tgt Ion: 96 Resp: 89489

Ion Ratio Lower Upper

96 100

61 148.3 0.0 297.4

98 63.1 0.0 127.8



#28

Bromochloromethane

Concen: 50.141 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

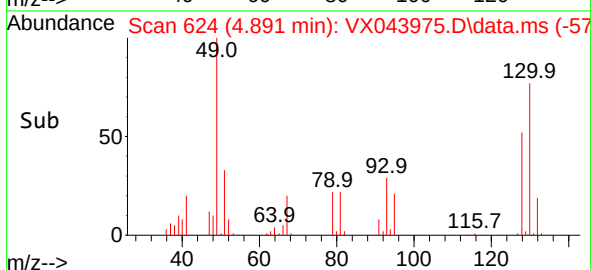
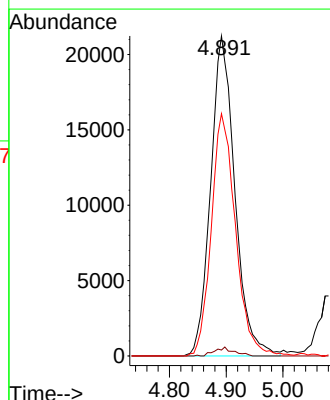
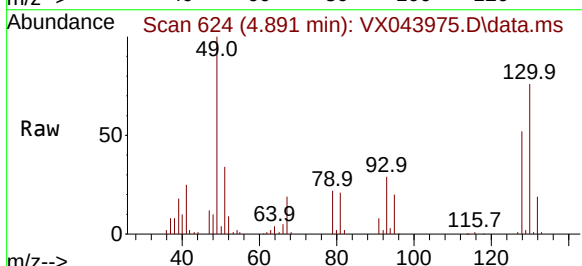
Tgt Ion: 49 Resp: 63042

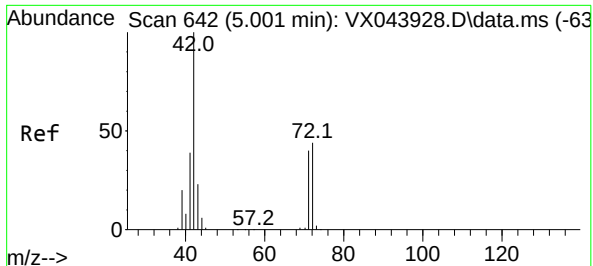
Ion Ratio Lower Upper

49 100

129 2.2 0.0 4.0

130 75.6 59.0 88.6





#29

Tetrahydrofuran

Concen: 229.176 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

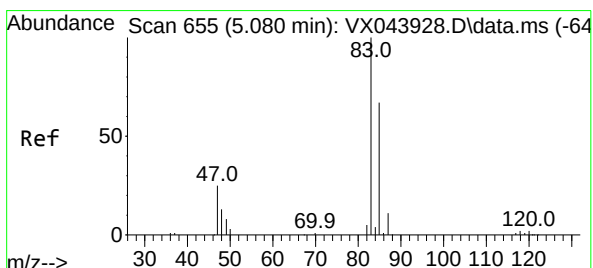
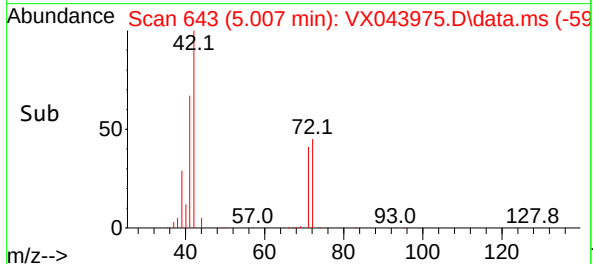
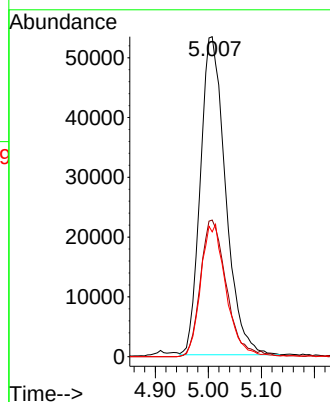
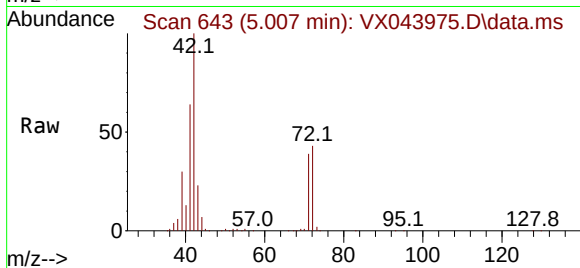
Tgt Ion: 42 Resp: 175631

Ion Ratio Lower Upper

42 100

72 44.5 36.4 54.6

71 42.0 33.4 50.0



#30

Chloroform

Concen: 49.881 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043975.D

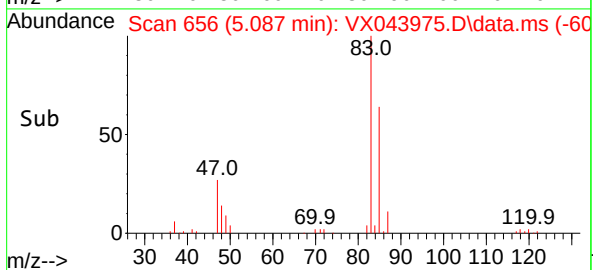
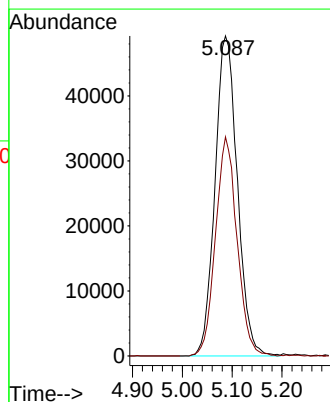
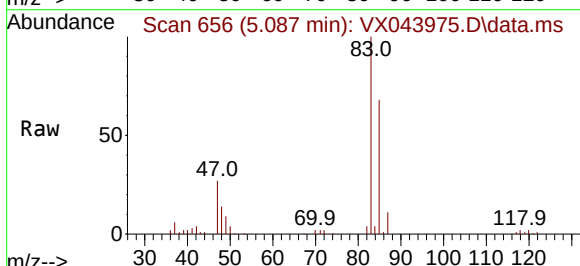
Acq: 22 Nov 2024 21:05

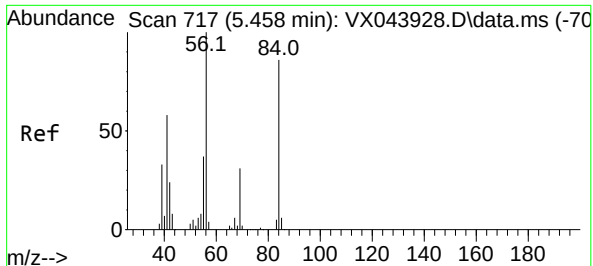
Tgt Ion: 83 Resp: 153240

Ion Ratio Lower Upper

83 100

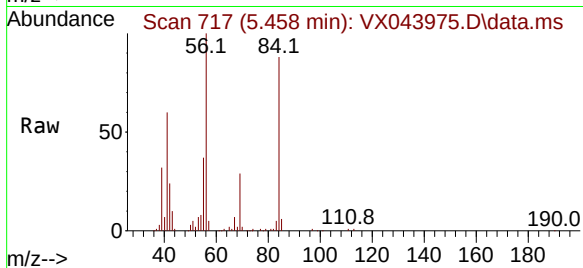
85 68.5 53.5 80.3



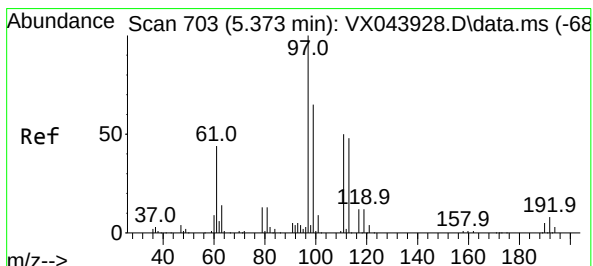
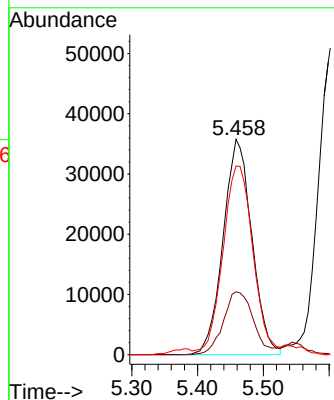
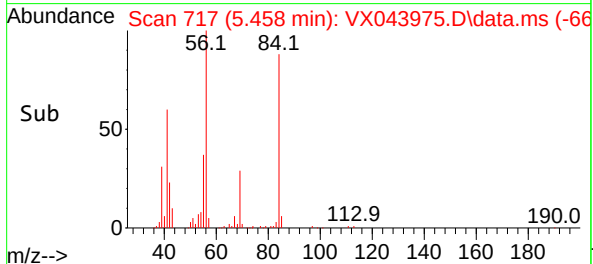


#31  
Cyclohexane  
Concen: 46.218 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

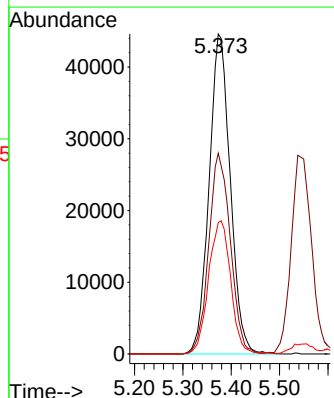
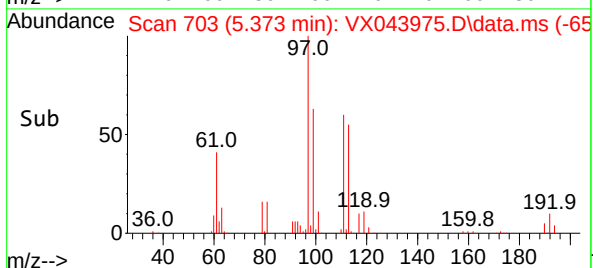
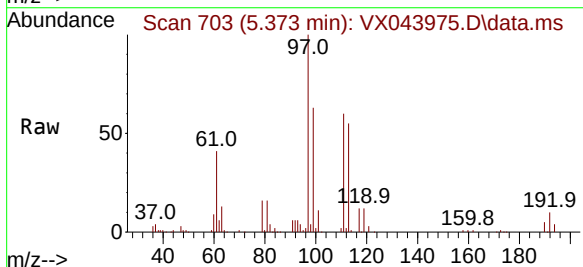


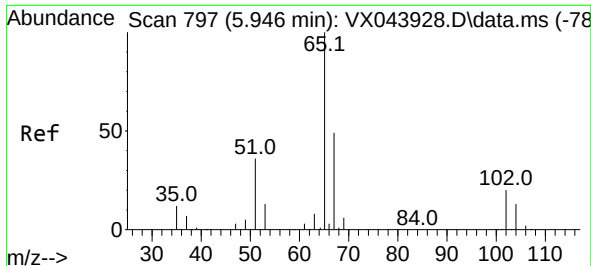
Tgt Ion: 56 Resp: 108654  
Ion Ratio Lower Upper  
56 100  
69 29.2 24.7 37.1  
84 85.4 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 51.132 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 97 Resp: 135463  
Ion Ratio Lower Upper  
97 100  
99 64.0 50.8 76.2  
61 43.7 35.4 53.2

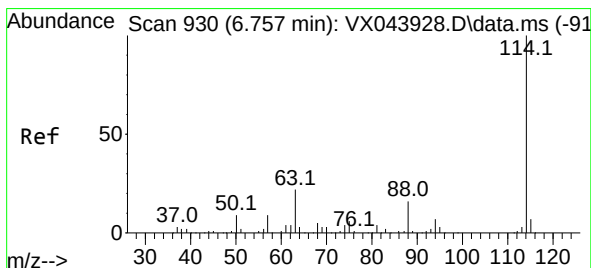
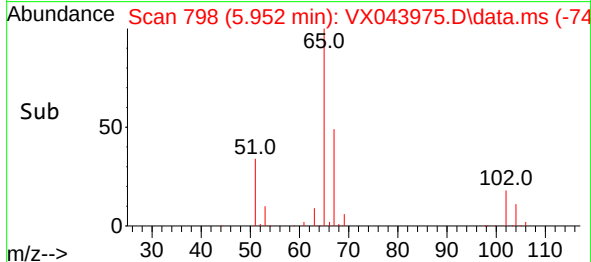
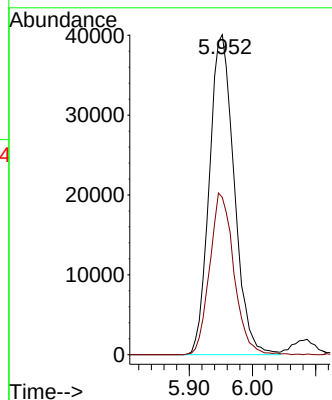
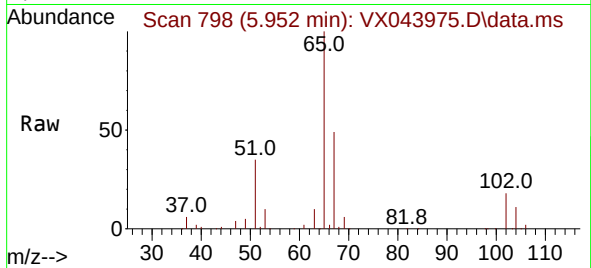




#33  
1,2-Dichloroethane-d4  
Concen: 51.858 ug/l  
RT: 5.952 min Scan# 797  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

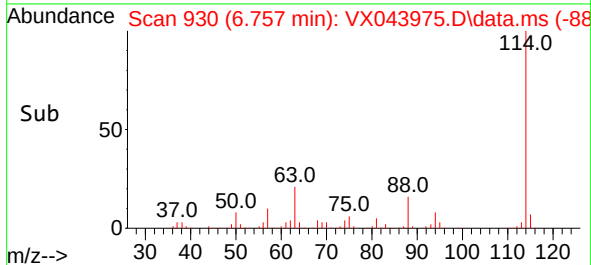
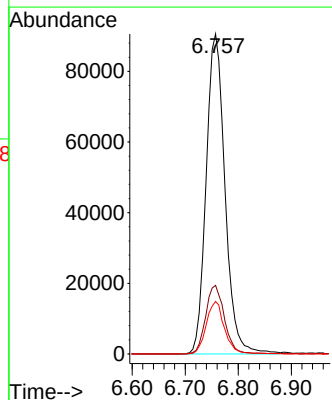
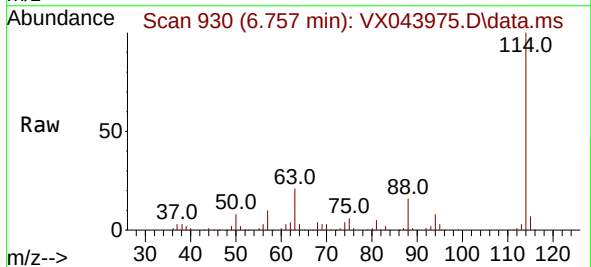
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 65 Resp: 109385  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 100.8

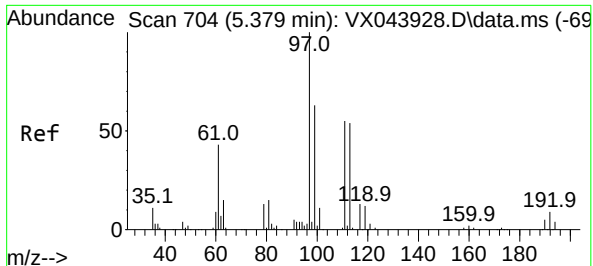


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 114 Resp: 223634  
Ion Ratio Lower Upper  
114 100  
63 21.4 0.0 44.0  
88 16.4 0.0 32.4



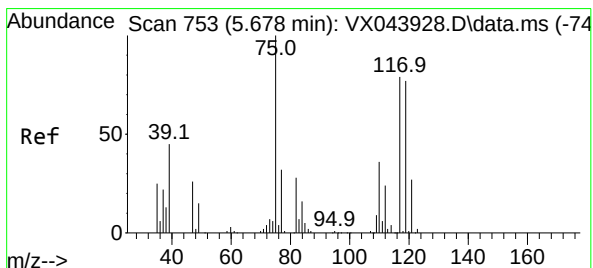
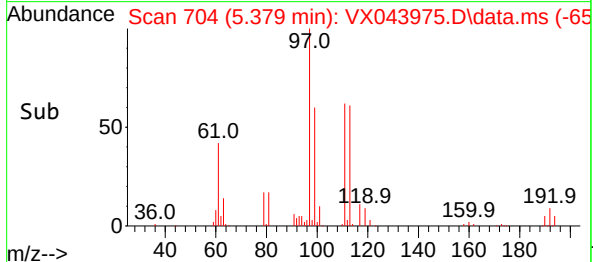
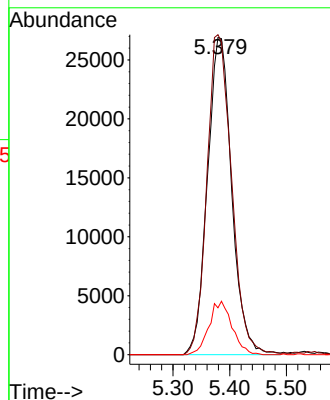
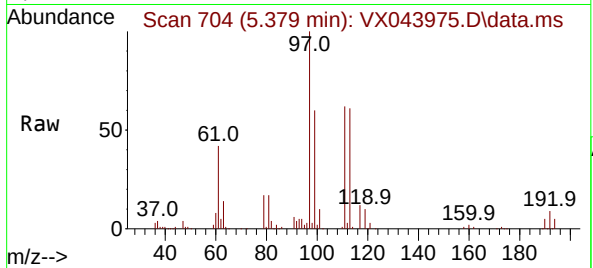




#35  
Dibromofluoromethane  
Concen: 50.113 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

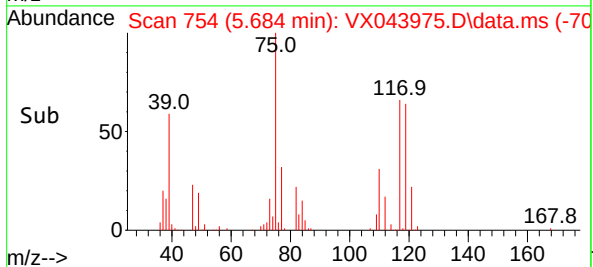
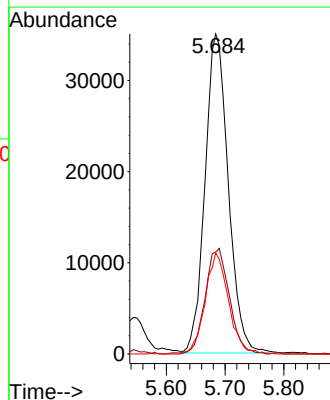
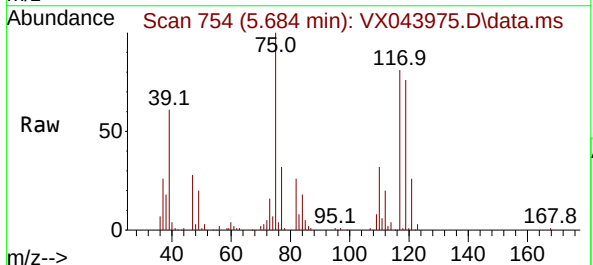
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

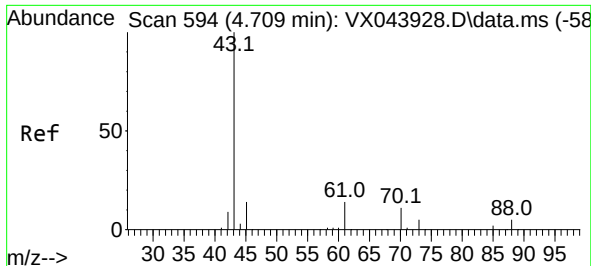
Tgt Ion:113 Resp: 80080  
Ion Ratio Lower Upper  
113 100  
111 102.5 81.0 121.4  
192 16.0 13.0 19.6



#36  
1,1-Dichloropropene  
Concen: 48.403 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 96384  
Ion Ratio Lower Upper  
75 100  
110 34.2 17.4 52.2  
77 31.9 25.8 38.8





#37

Ethyl Acetate

Concen: 45.245 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

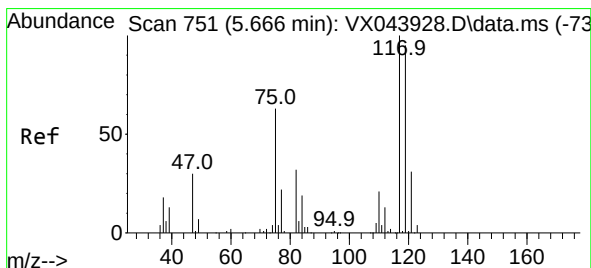
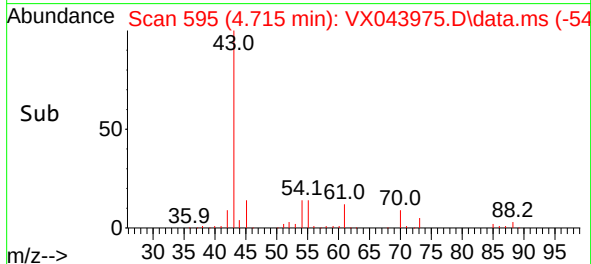
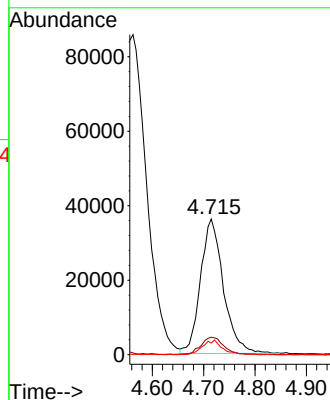
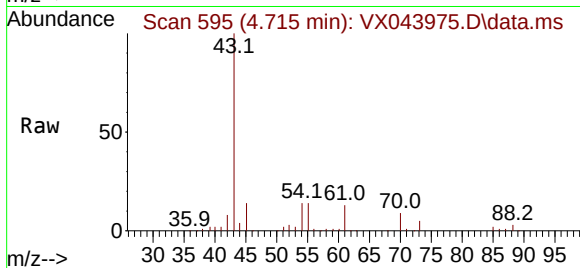
Tgt Ion: 43 Resp: 111838

Ion Ratio Lower Upper

43 100

61 13.3 10.7 16.1

70 9.5 8.0 12.0



#38

Carbon Tetrachloride

Concen: 48.766 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

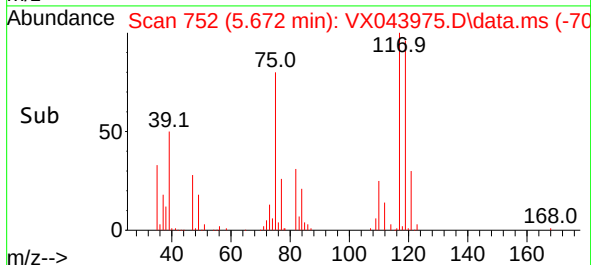
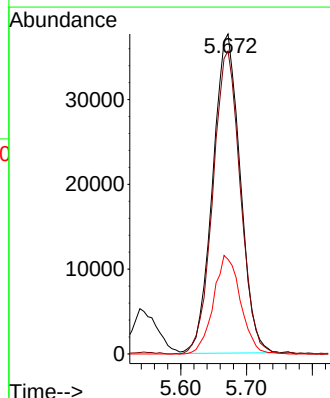
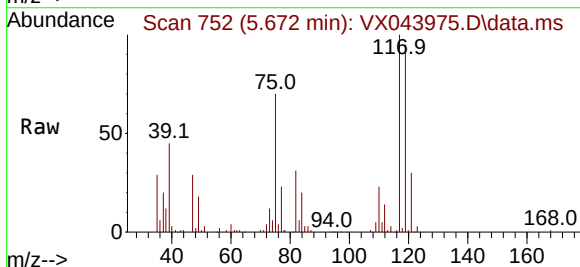
Tgt Ion: 117 Resp: 109113

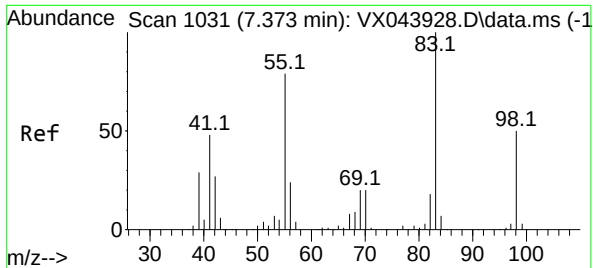
Ion Ratio Lower Upper

117 100

119 95.1 75.2 112.8

121 29.7 24.5 36.7

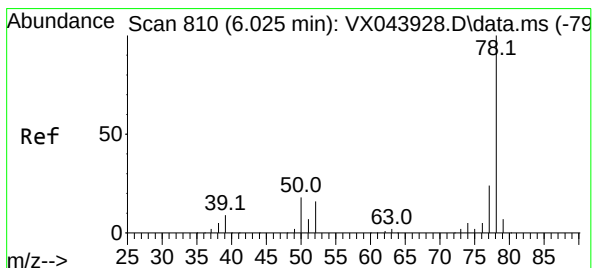
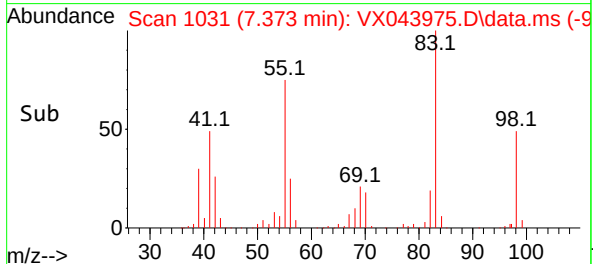
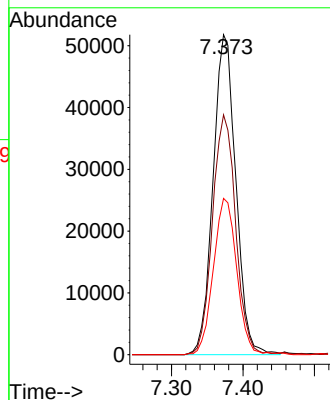
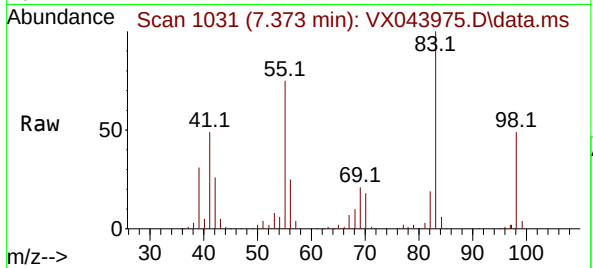




#39  
Methylcyclohexane  
Concen: 44.283 ug/l  
RT: 7.373 min Scan# 1031  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

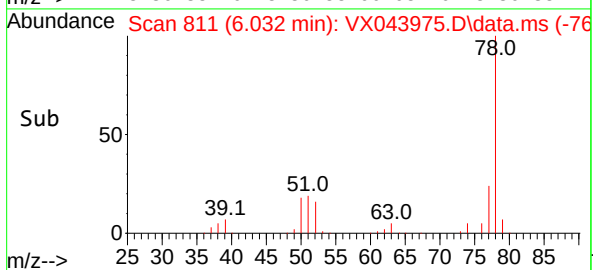
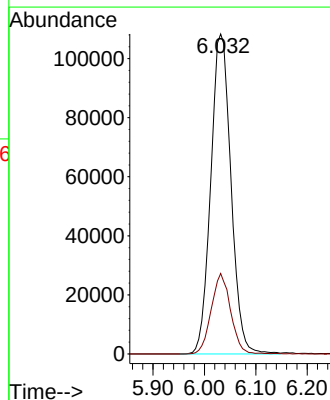
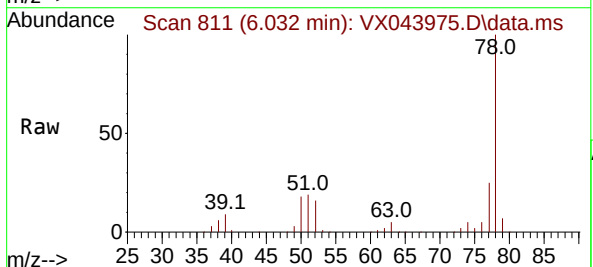
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

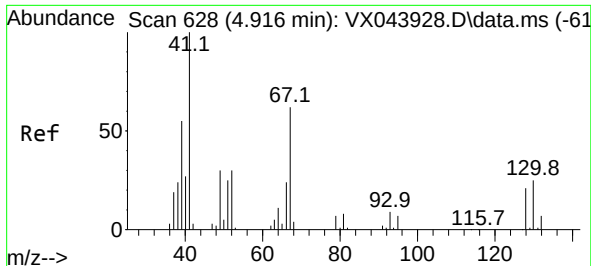
Tgt Ion: 83 Resp: 114556  
Ion Ratio Lower Upper  
83 100  
55 74.9 63.1 94.7  
98 48.8 40.0 60.0



#40  
Benzene  
Concen: 47.732 ug/l  
RT: 6.032 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 78 Resp: 296066  
Ion Ratio Lower Upper  
78 100  
77 25.1 19.2 28.8



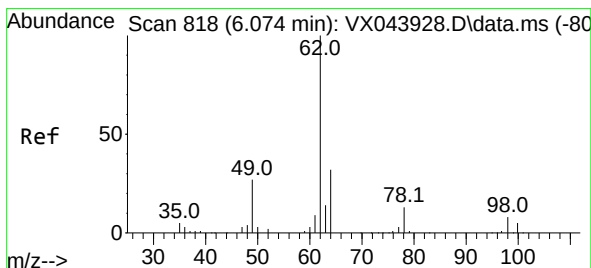
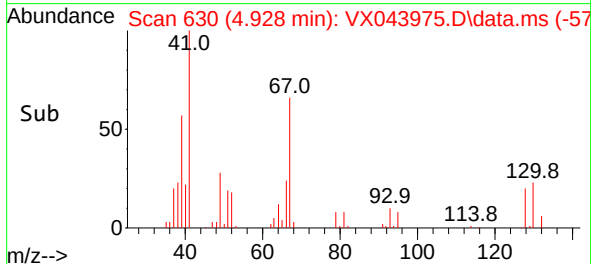
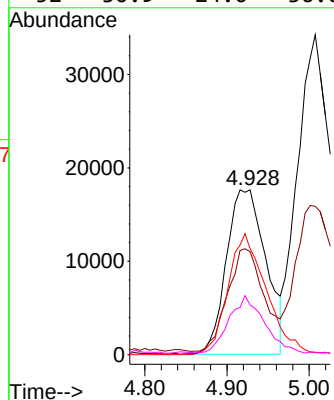
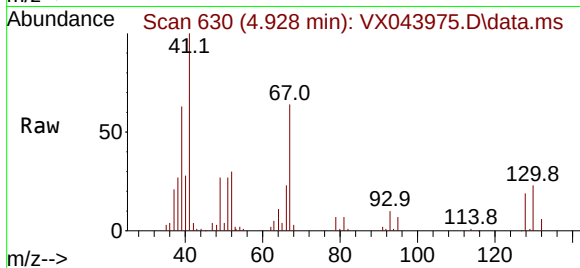


#41  
Methacrylonitrile  
Concen: 46.538 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 58876

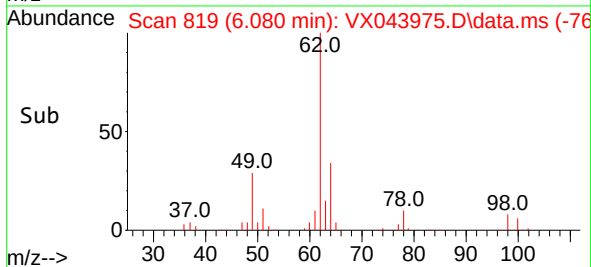
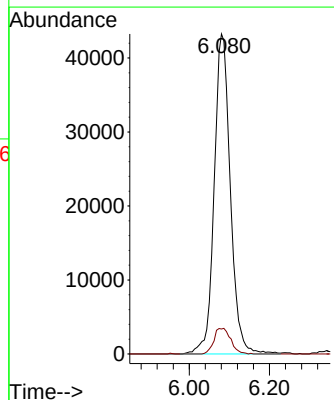
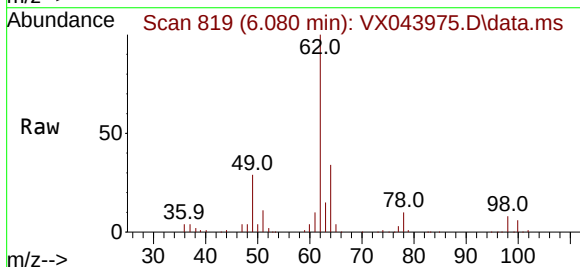
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 57.9  | 41.7  | 62.5  |
| 67  | 72.3  | 55.8  | 83.8  |
| 52  | 30.9  | 24.0  | 36.0  |

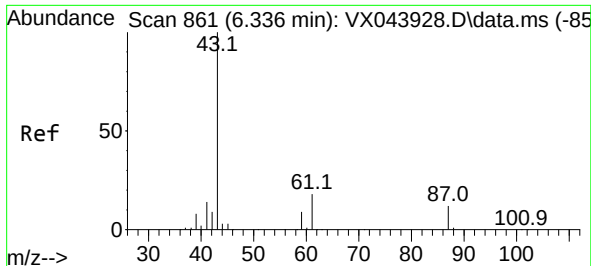


#42  
1,2-Dichloroethane  
Concen: 48.527 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 62 Resp: 120886

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.3   | 0.0   | 16.4  |





#43

Isopropyl Acetate

Concen: 48.002 ug/l

RT: 6.342 min Scan# 80

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

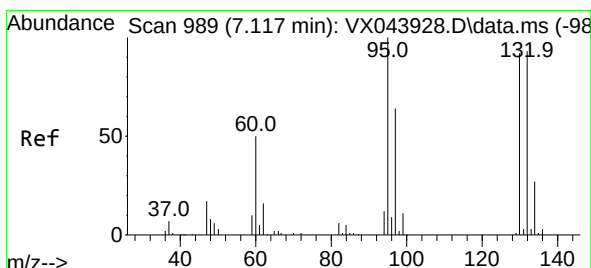
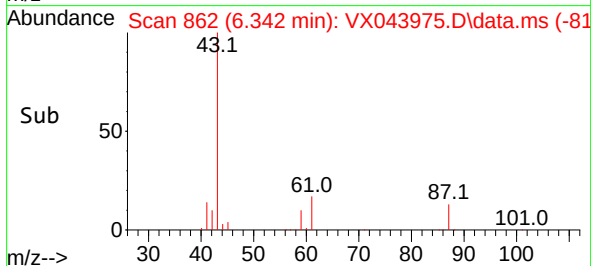
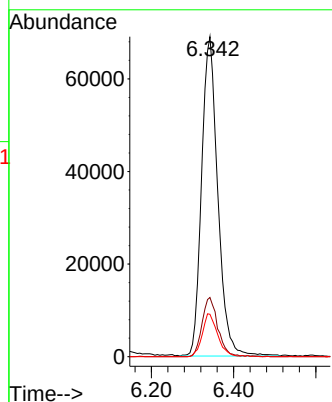
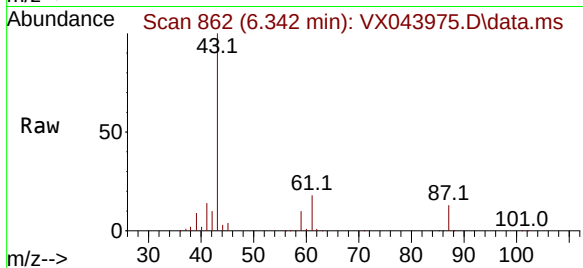
Tgt Ion: 43 Resp: 188827

Ion Ratio Lower Upper

43 100

61 18.1 14.5 21.7

87 12.7 10.2 15.2



#44

Trichloroethene

Concen: 40.354 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043975.D

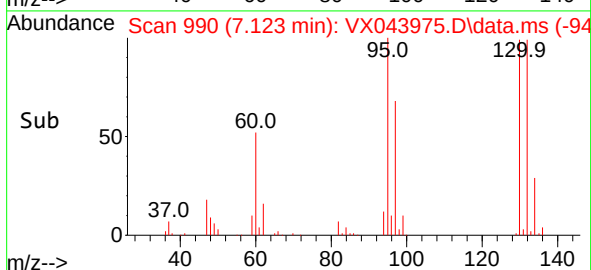
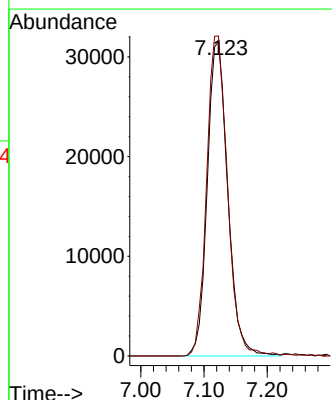
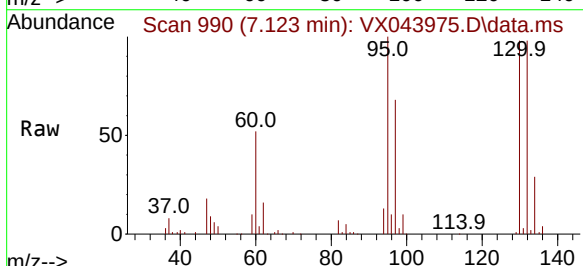
Acq: 22 Nov 2024 21:05

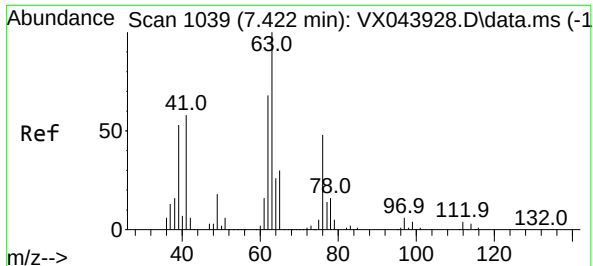
Tgt Ion:130 Resp: 70858

Ion Ratio Lower Upper

130 100

95 101.8 0.0 217.8

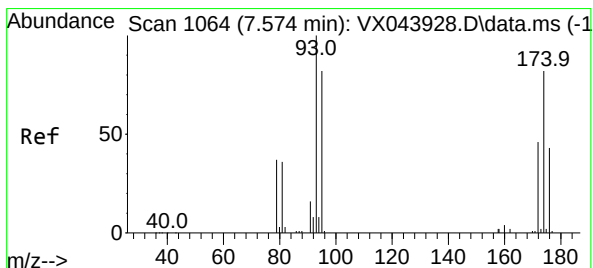
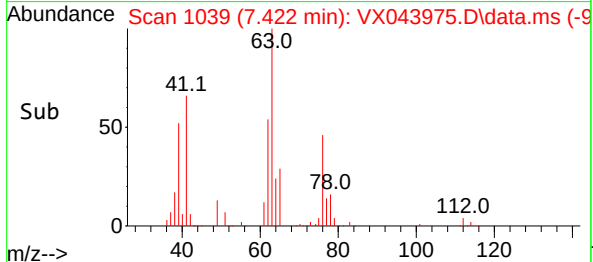
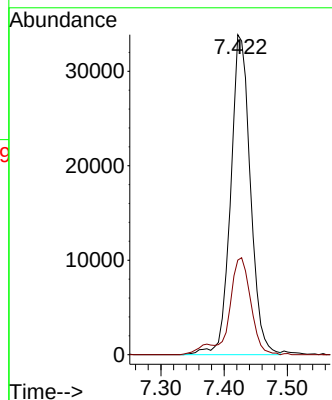
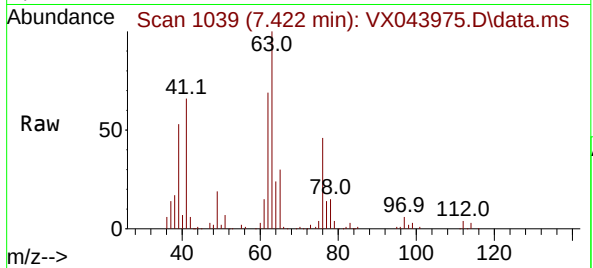




#45  
1,2-Dichloropropane  
Concen: 48.373 ug/l  
RT: 7.422 min Scan# 1039  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

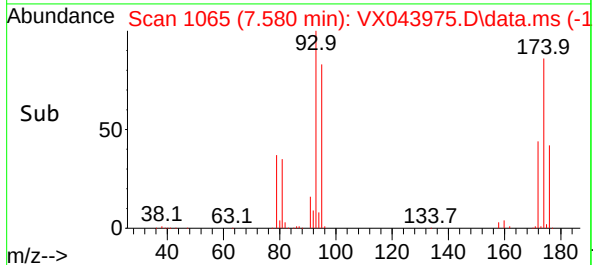
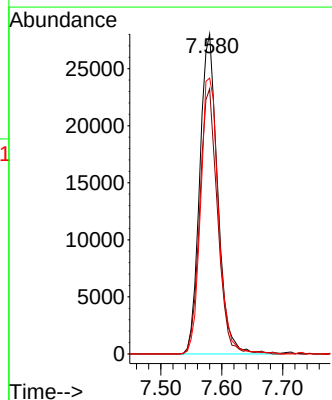
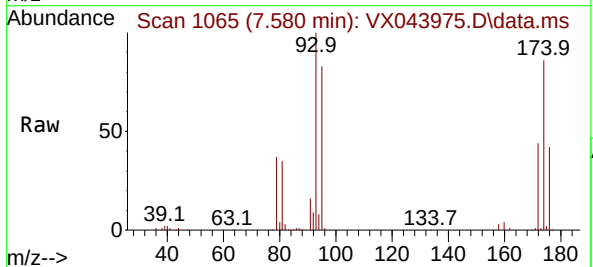
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

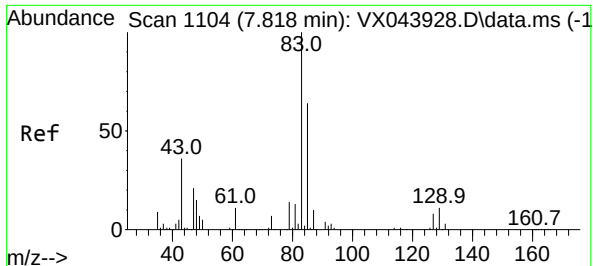
Tgt Ion: 63 Resp: 73488  
Ion Ratio Lower Upper  
63 100  
65 29.6 23.8 35.6



#46  
Dibromomethane  
Concen: 47.608 ug/l  
RT: 7.580 min Scan# 1065  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 93 Resp: 57212  
Ion Ratio Lower Upper  
93 100  
95 82.3 66.2 99.4  
174 86.7 69.6 104.4

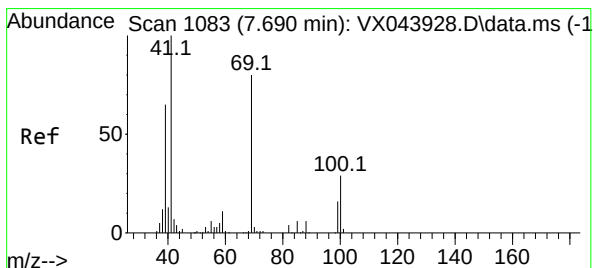
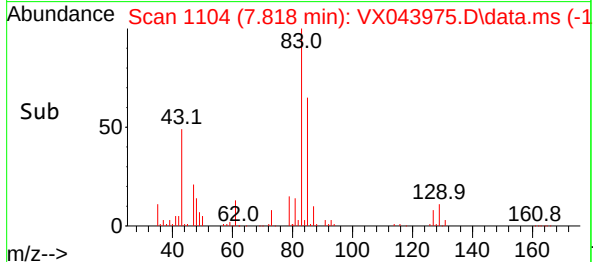
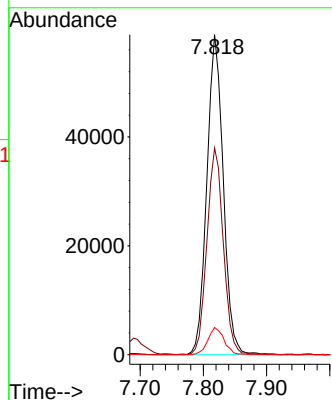
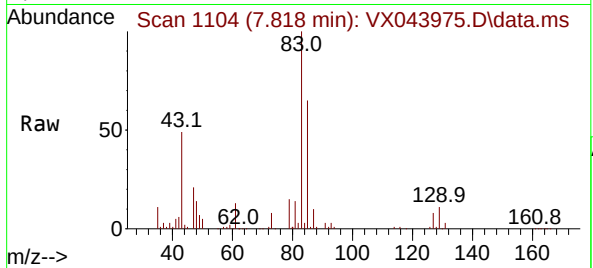




#47  
Bromodichloromethane  
Concen: 49.233 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

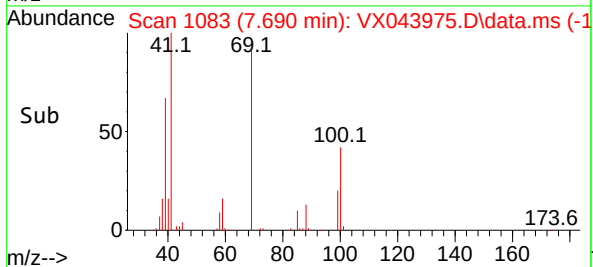
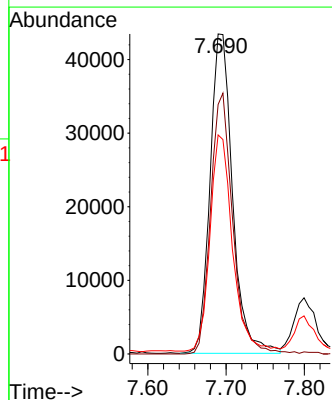
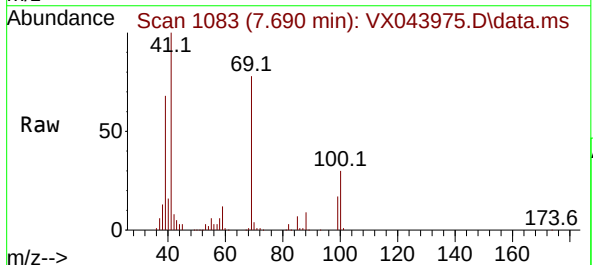
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

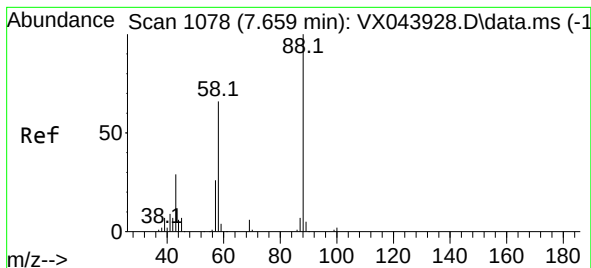
Tgt Ion: 83 Resp: 106111  
Ion Ratio Lower Upper  
83 100  
85 64.6 51.4 77.0  
127 8.5 6.6 10.0



#48  
Methyl methacrylate  
Concen: 45.987 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 41 Resp: 86803  
Ion Ratio Lower Upper  
41 100  
69 80.4 64.6 97.0  
39 67.2 53.3 79.9





#49

1,4-Dioxane

Concen: 708.970 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

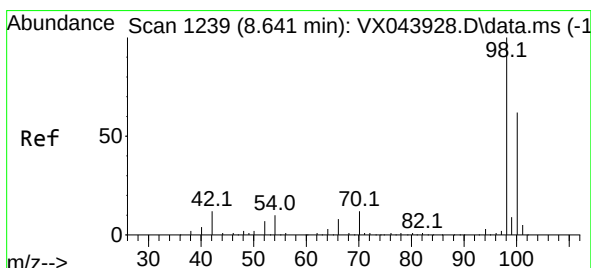
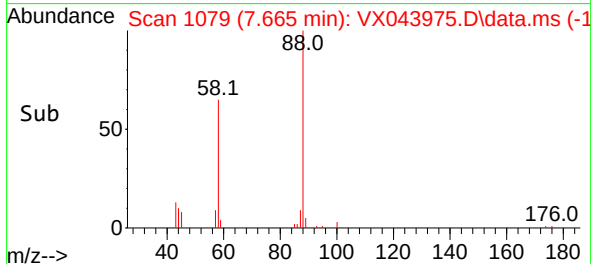
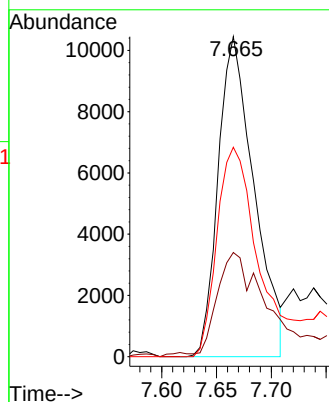
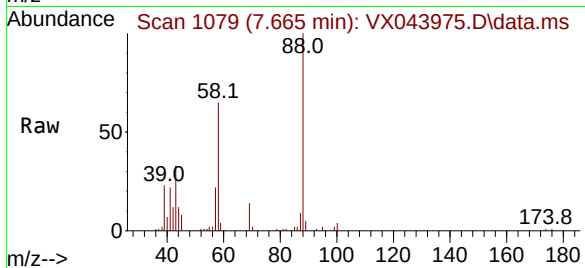
Tgt Ion: 88 Resp: 23838

Ion Ratio Lower Upper

88 100

43 43.2 26.8 40.2#

58 76.3 45.4 68.2#



#50

Toluene-d8

Concen: 49.385 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043975.D

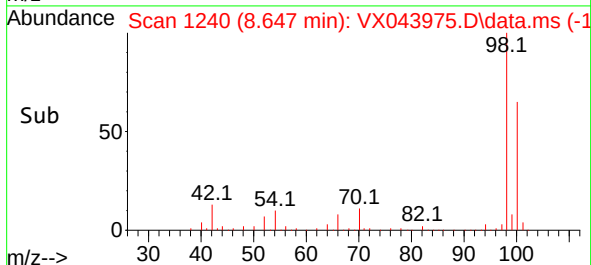
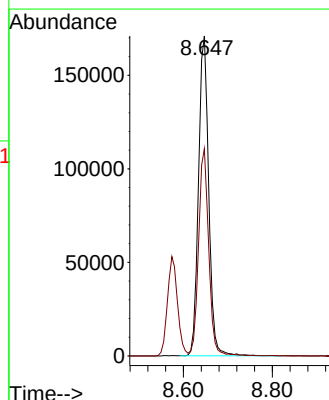
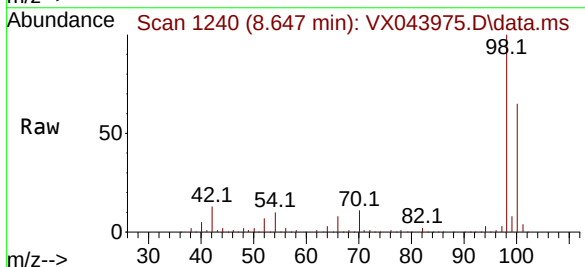
Acq: 22 Nov 2024 21:05

Tgt Ion: 98 Resp: 272032

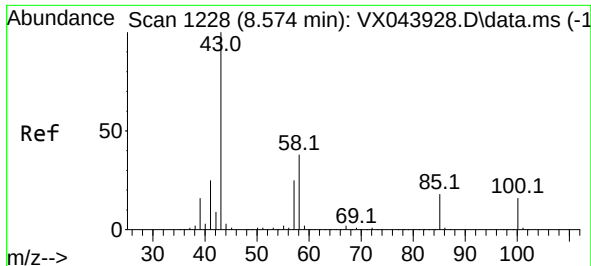
Ion Ratio Lower Upper

98 100

100 64.4 52.6 79.0



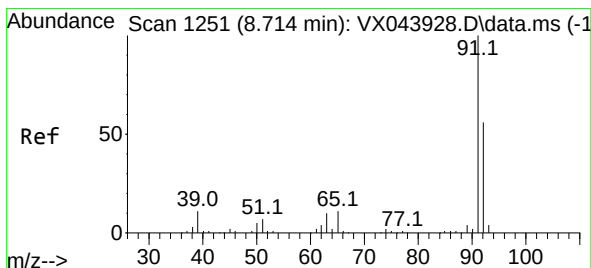
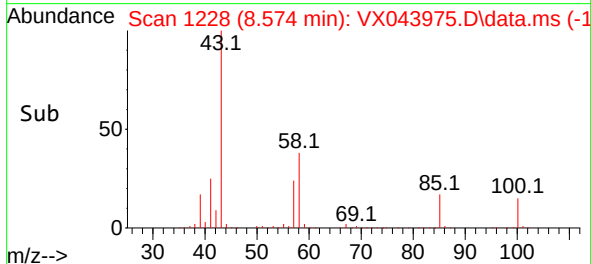
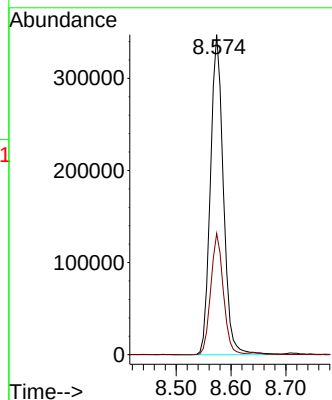
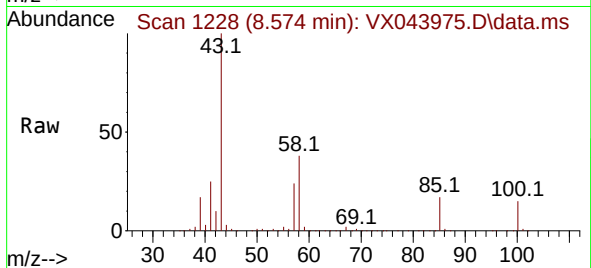




#51  
4-Methyl-2-Pentanone  
Concen: 237.028 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

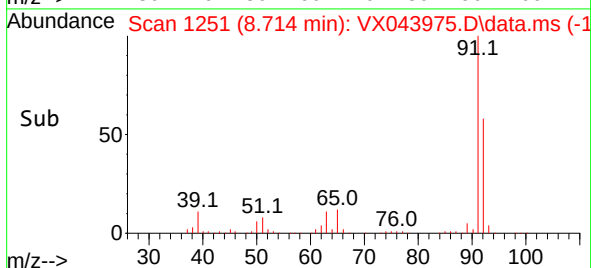
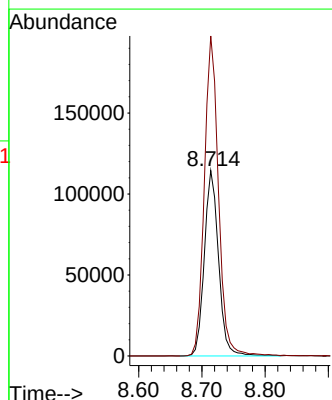
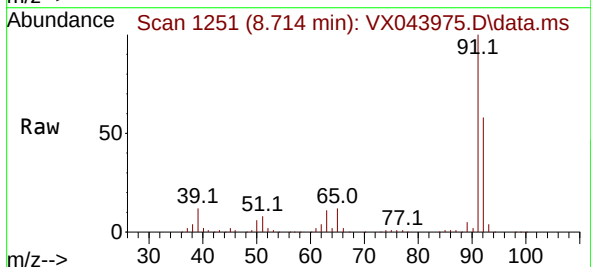
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

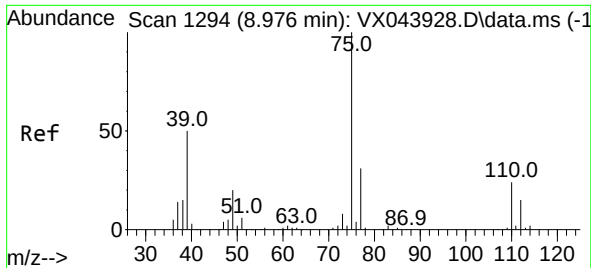
Tgt Ion: 43 Resp: 569005  
Ion Ratio Lower Upper  
43 100  
58 36.7 30.0 45.0



#52  
Toluene  
Concen: 48.314 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 92 Resp: 179366  
Ion Ratio Lower Upper  
92 100  
91 171.8 139.7 209.5

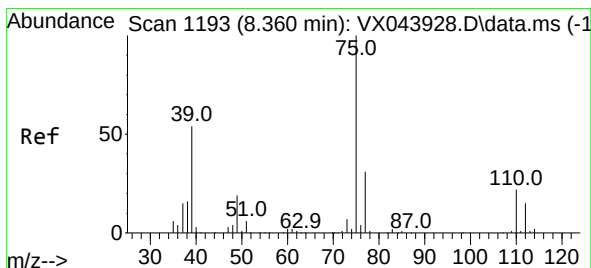
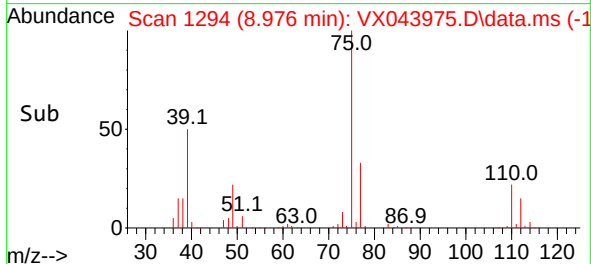
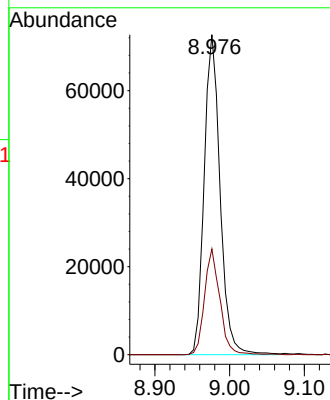
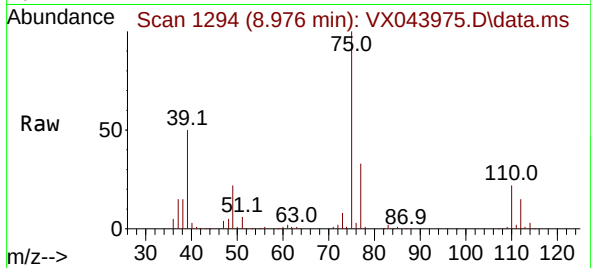




#53  
 t-1,3-Dichloropropene  
 Concen: 48.867 ug/l  
 RT: 8.976 min Scan# 1193  
 Delta R.T. -0.000 min  
 Lab File: VX043975.D  
 Acq: 22 Nov 2024 21:05

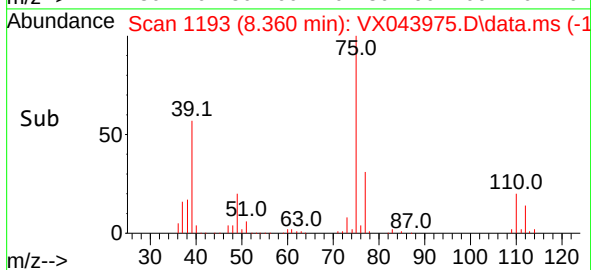
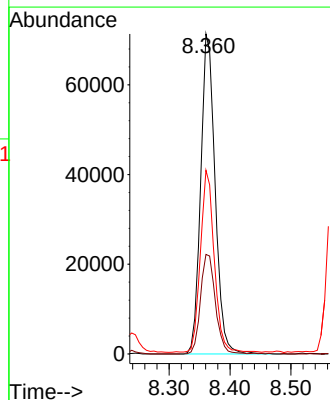
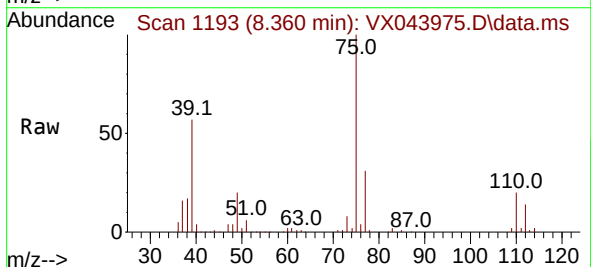
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

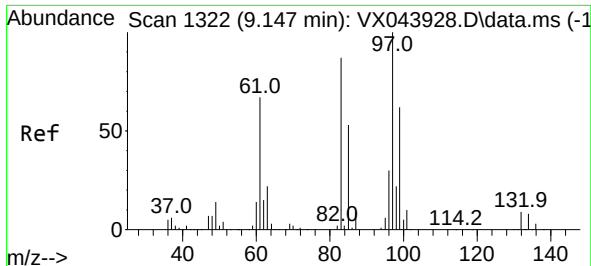
Tgt Ion: 75 Resp: 107403  
 Ion Ratio Lower Upper  
 75 100  
 77 33.1 25.1 37.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 48.756 ug/l  
 RT: 8.360 min Scan# 1193  
 Delta R.T. -0.000 min  
 Lab File: VX043975.D  
 Acq: 22 Nov 2024 21:05

Tgt Ion: 75 Resp: 117473  
 Ion Ratio Lower Upper  
 75 100  
 77 31.1 25.2 37.8  
 39 56.8 43.1 64.7

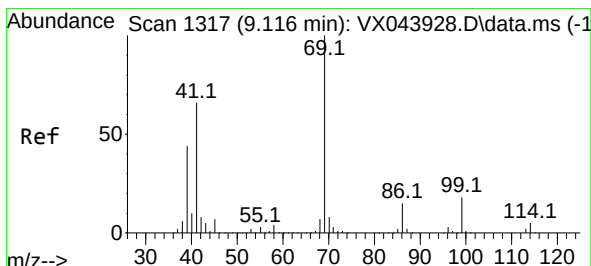
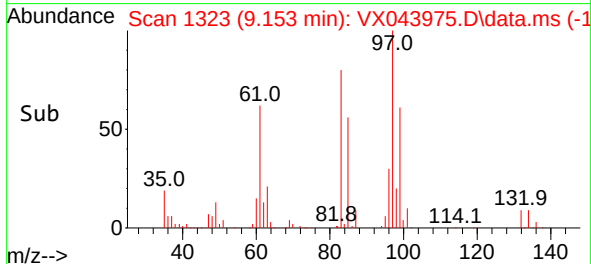
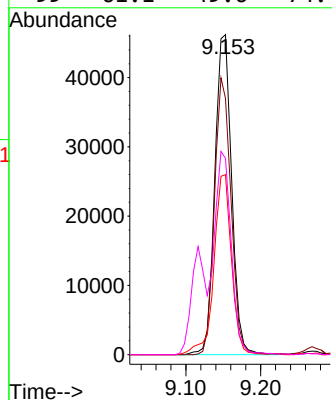
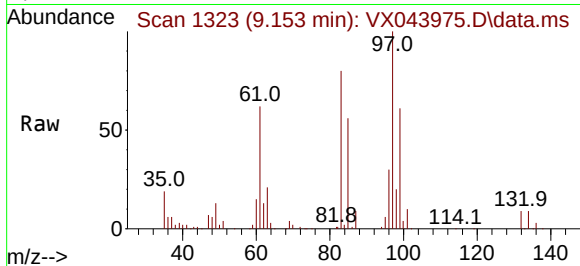




#55  
 1,1,2-Trichloroethane  
 Concen: 47.244 ug/l  
 RT: 9.153 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VX043975.D  
 Acq: 22 Nov 2024 21:05

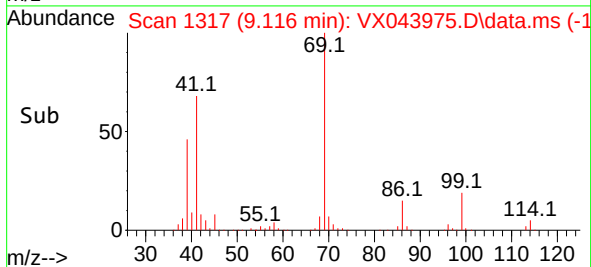
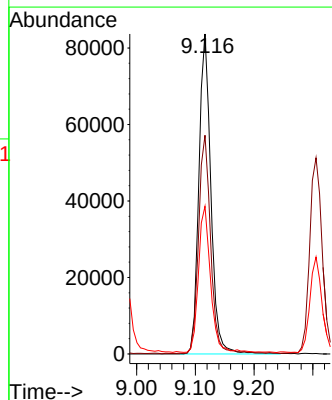
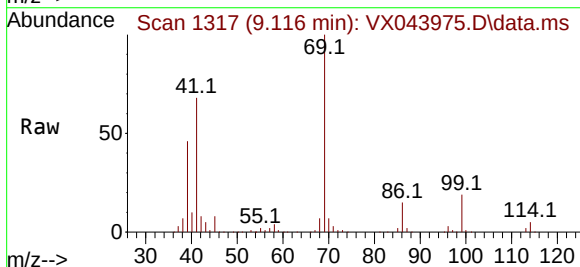
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

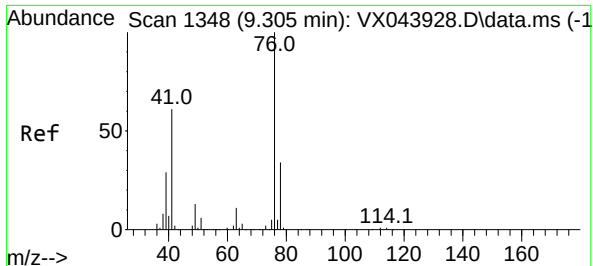
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 72401 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 80.1     | 69.4 104.0  |
| 85 56.1     | 42.3 63.5   |
| 99 61.1     | 49.6 74.4   |



#56  
 Ethyl methacrylate  
 Concen: 49.720 ug/l  
 RT: 9.116 min Scan# 1317  
 Delta R.T. -0.000 min  
 Lab File: VX043975.D  
 Acq: 22 Nov 2024 21:05

|             |              |
|-------------|--------------|
| Tgt Ion: 69 | Resp: 118682 |
| Ion Ratio   | Lower Upper  |
| 69 100      |              |
| 41 68.8     | 55.8 83.8    |
| 39 45.4     | 36.7 55.1    |





#57

1,3-Dichloropropane

Concen: 48.020 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

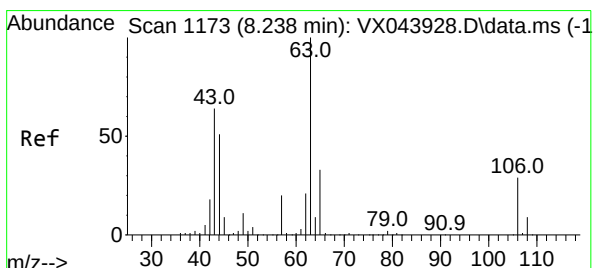
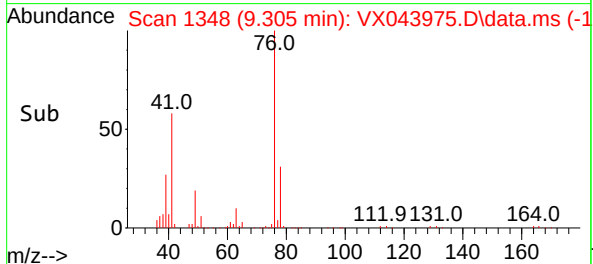
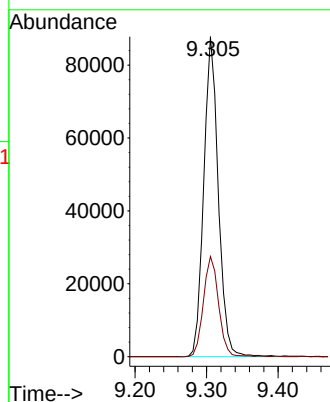
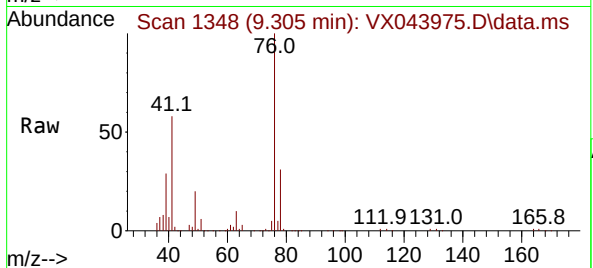
VSTDCCC050EC

Tgt Ion: 76 Resp: 123967

Ion Ratio Lower Upper

76 100

78 32.7 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 213.469 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043975.D

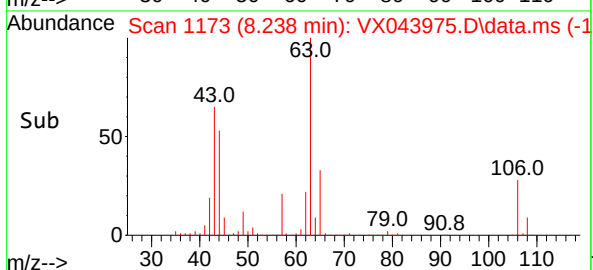
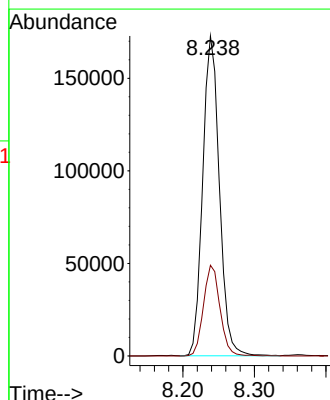
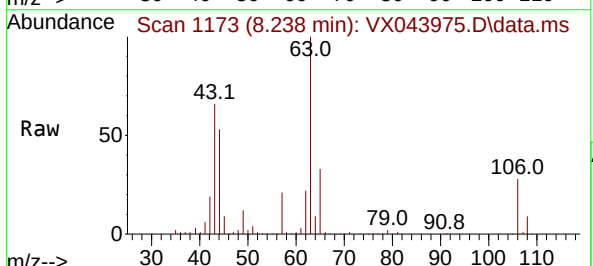
Acq: 22 Nov 2024 21:05

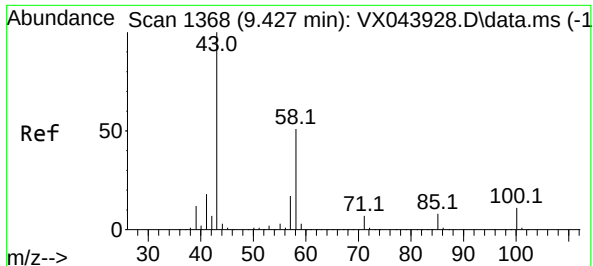
Tgt Ion: 63 Resp: 279741

Ion Ratio Lower Upper

63 100

106 28.2 23.0 34.6





#59

2-Hexanone

Concen: 233.298 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

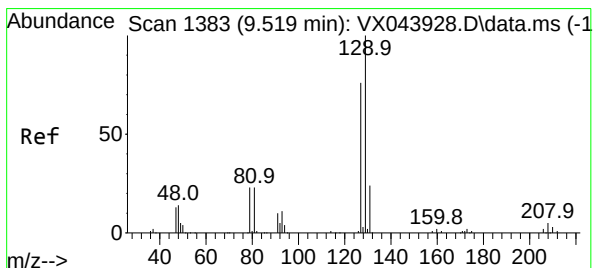
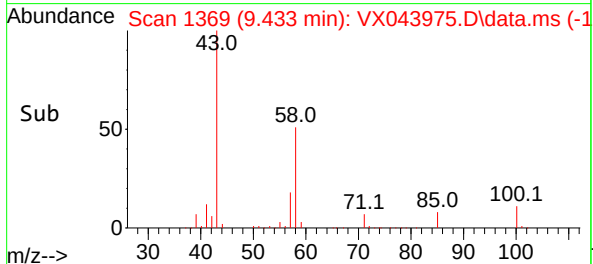
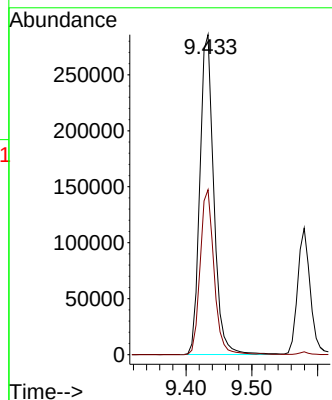
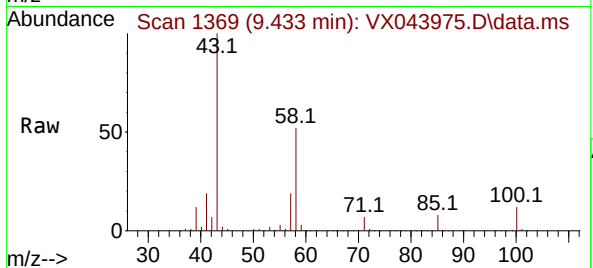
VSTDCCC050EC

Tgt Ion: 43 Resp: 420948

Ion Ratio Lower Upper

43 100

58 51.7 25.9 77.6



#60

Dibromochloromethane

Concen: 47.547 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX043975.D

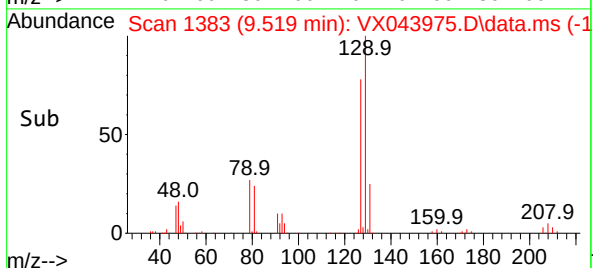
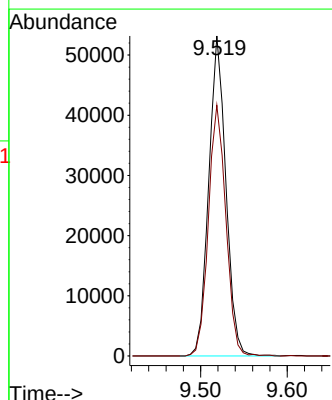
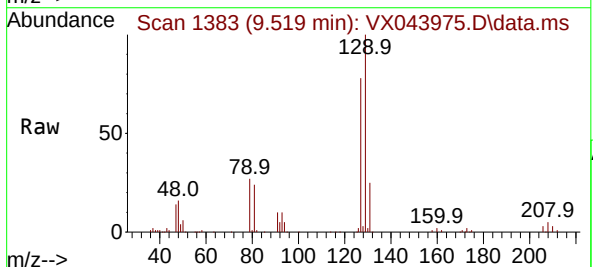
Acq: 22 Nov 2024 21:05

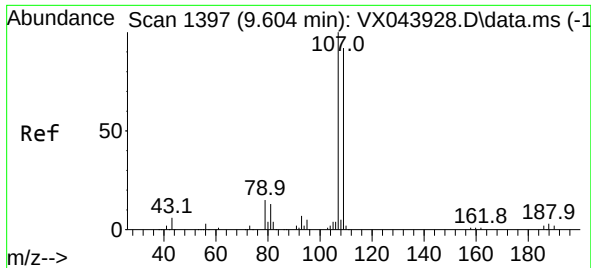
Tgt Ion: 129 Resp: 73109

Ion Ratio Lower Upper

129 100

127 79.9 38.2 114.6

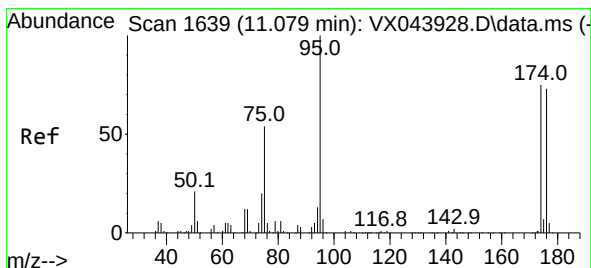
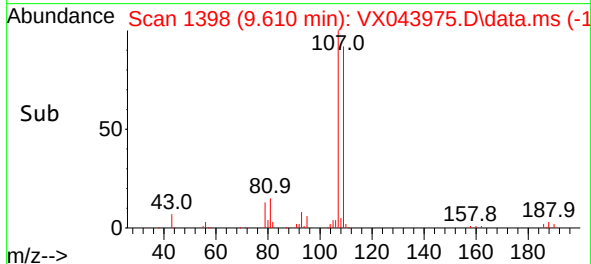
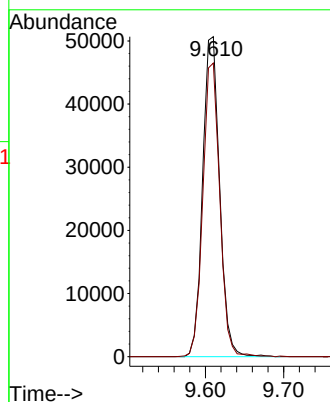
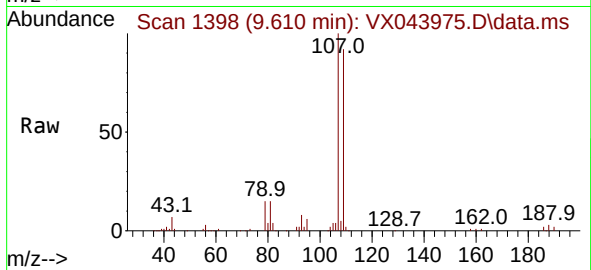




#61  
1,2-Dibromoethane  
Concen: 49.118 ug/l  
RT: 9.610 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

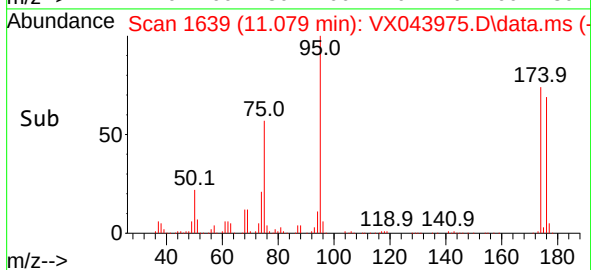
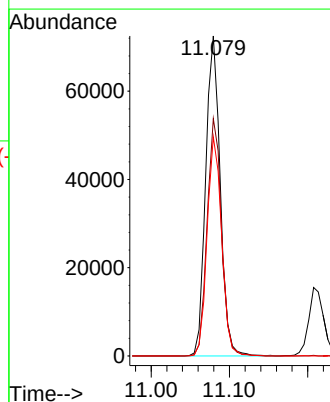
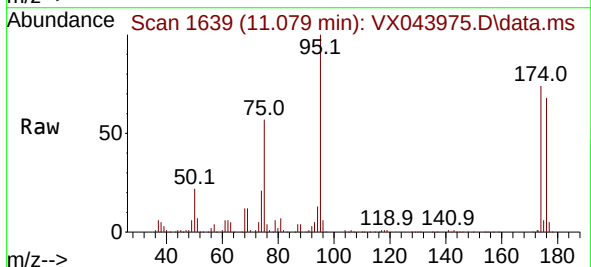
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

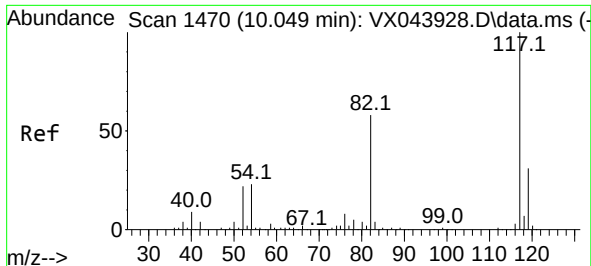
Tgt Ion:107 Resp: 76113  
Ion Ratio Lower Upper  
107 100  
109 91.6 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 49.694 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 95 Resp: 93160  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 150.4  
176 68.4 0.0 146.0

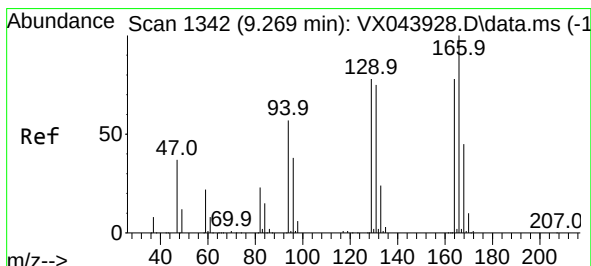
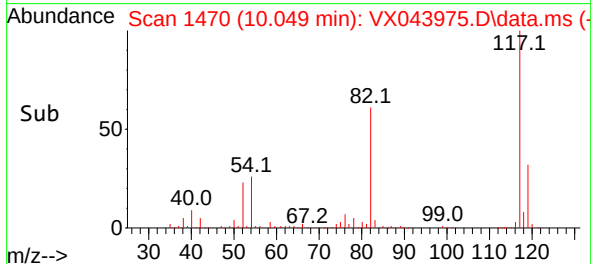
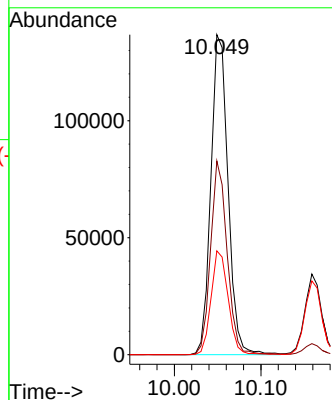
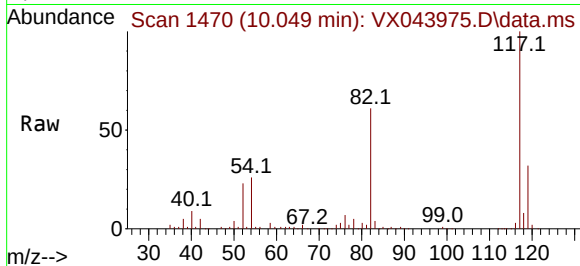




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

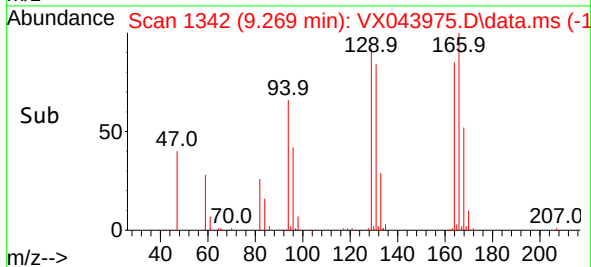
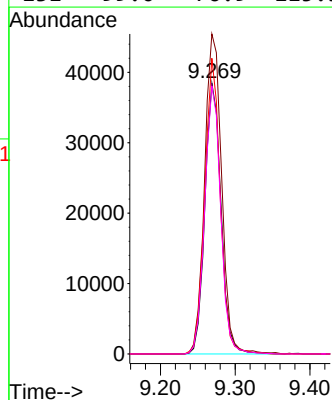
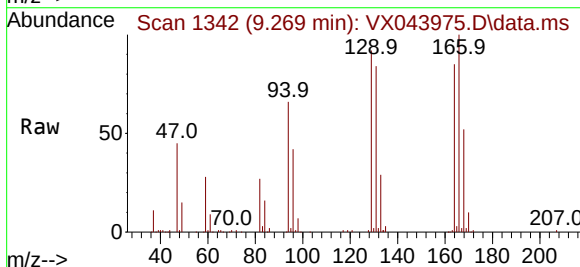
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

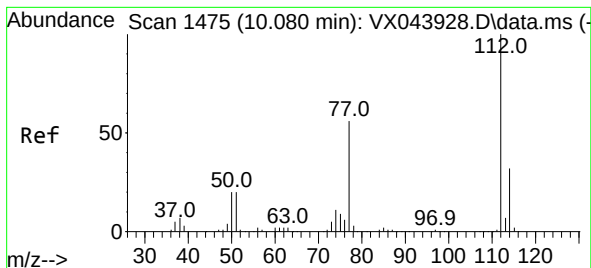
Tgt Ion:117 Resp: 188299  
Ion Ratio Lower Upper  
117 100  
82 60.5 46.4 69.6  
119 32.5 24.6 37.0



#64  
Tetrachloroethene  
Concen: 46.307 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion:164 Resp: 57495  
Ion Ratio Lower Upper  
164 100  
166 118.2 102.1 153.1  
129 109.2 79.6 119.4  
131 99.0 76.9 115.3

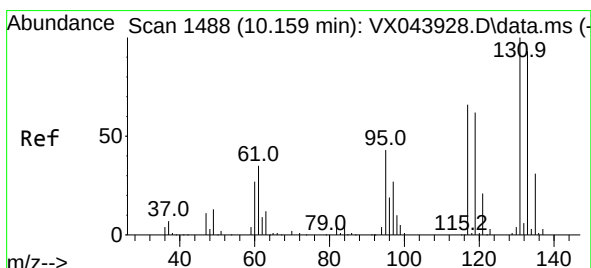
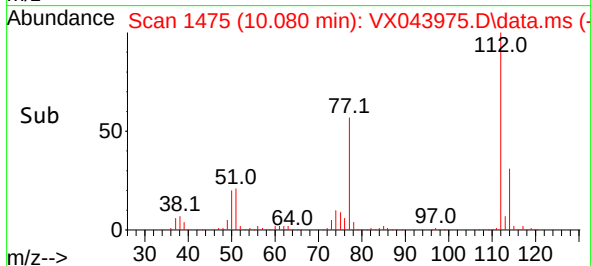
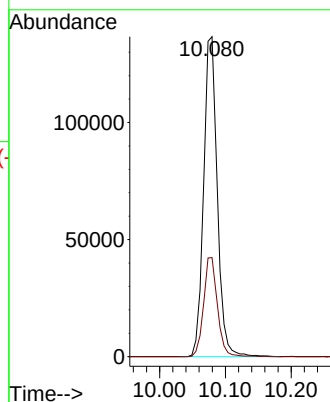
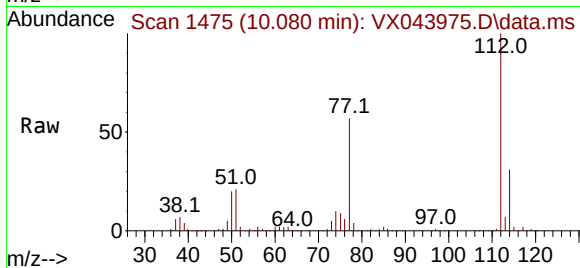




#65  
Chlorobenzene  
Concen: 47.680 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

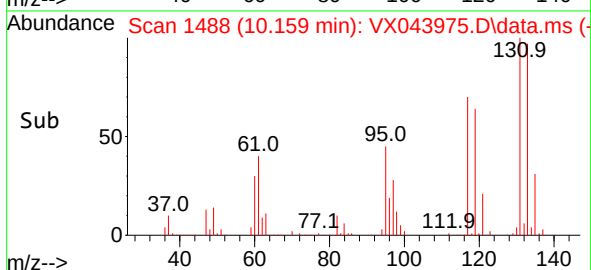
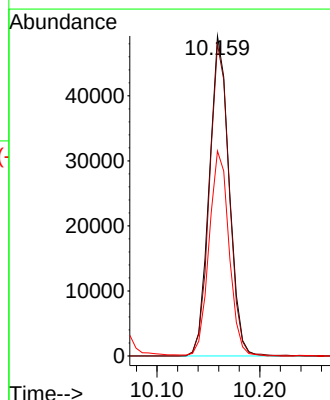
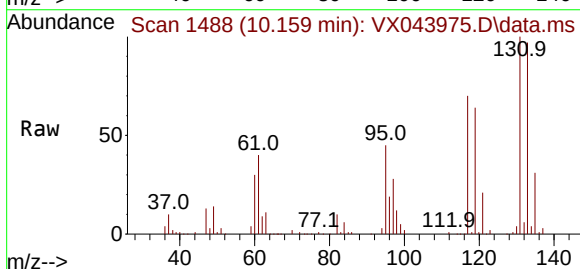
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:112 Resp: 197185  
Ion Ratio Lower Upper  
112 100  
114 31.0 25.4 38.0

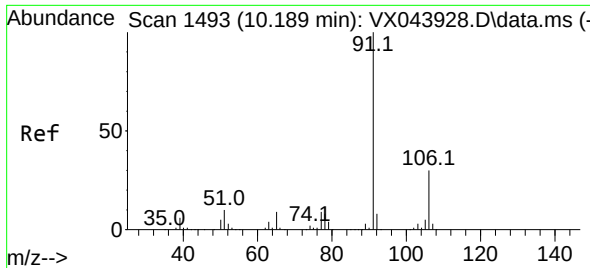


#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.398 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion:131 Resp: 66254  
Ion Ratio Lower Upper  
131 100  
133 96.9 48.2 144.6  
119 64.2 31.5 94.5



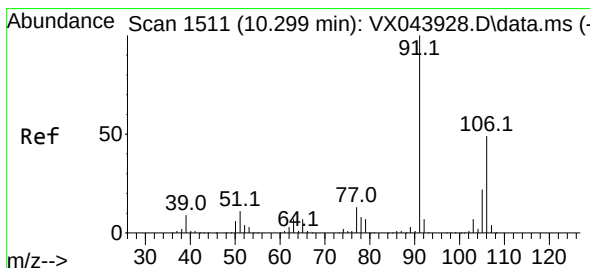
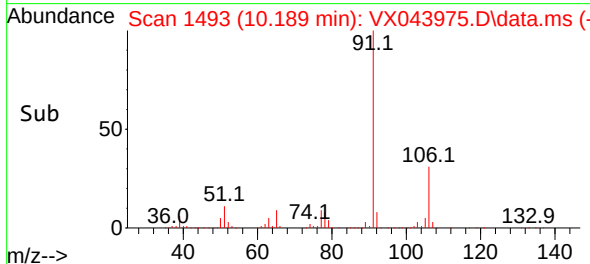
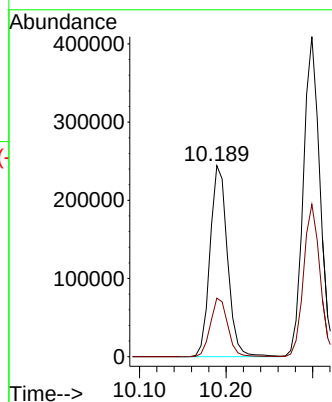
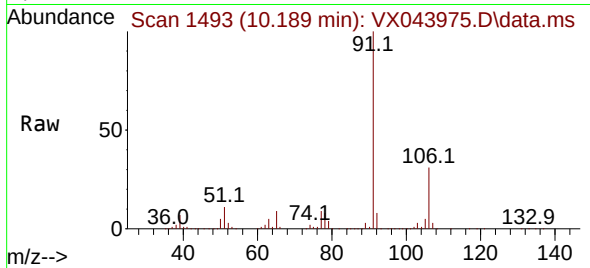




#67  
Ethyl Benzene  
Concen: 48.699 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

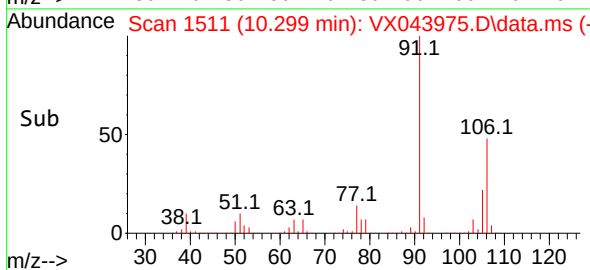
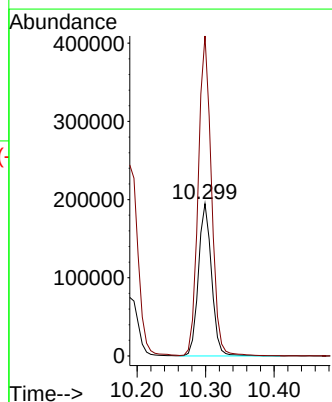
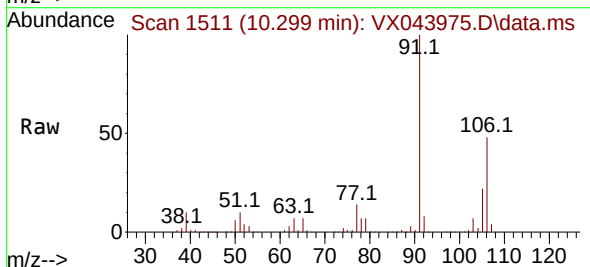
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

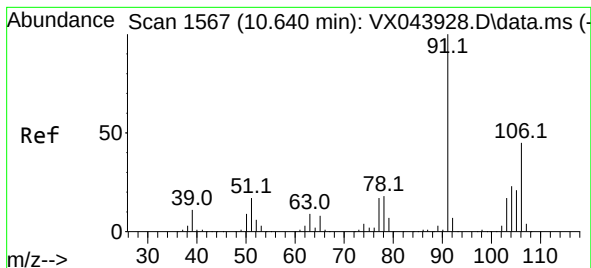
Tgt Ion: 91 Resp: 341272  
Ion Ratio Lower Upper  
91 100  
106 30.6 23.6 35.4



#68  
m/p-Xylenes  
Concen: 99.287 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 106 Resp: 259471  
Ion Ratio Lower Upper  
106 100  
91 211.5 168.1 252.1





#69

o-Xylene

Concen: 49.924 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

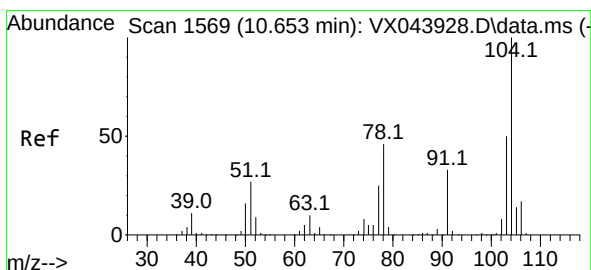
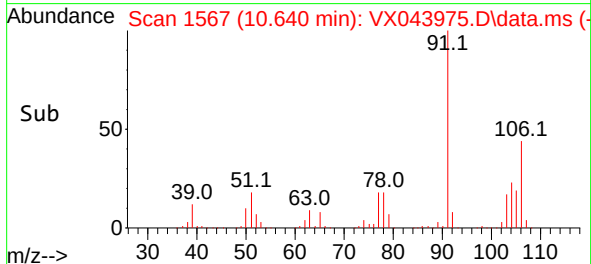
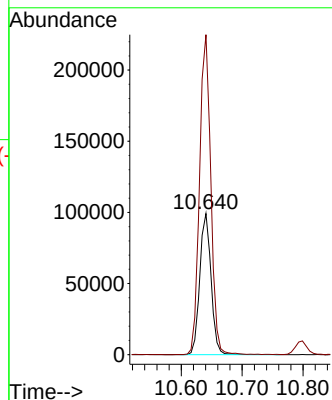
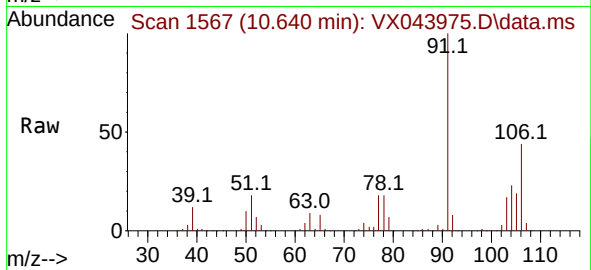
VSTDCCC050EC

Tgt Ion:106 Resp: 127383

Ion Ratio Lower Upper

106 100

91 226.5 110.2 330.6



#70

Styrene

Concen: 51.134 ug/l

RT: 10.653 min Scan# 1569

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

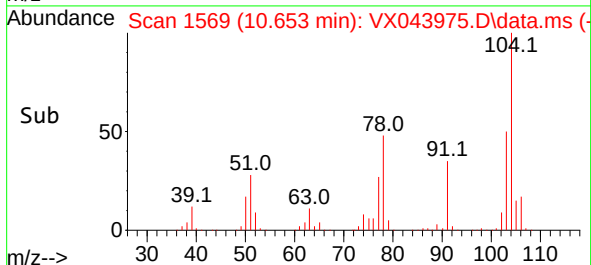
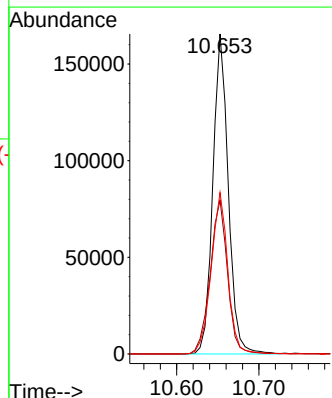
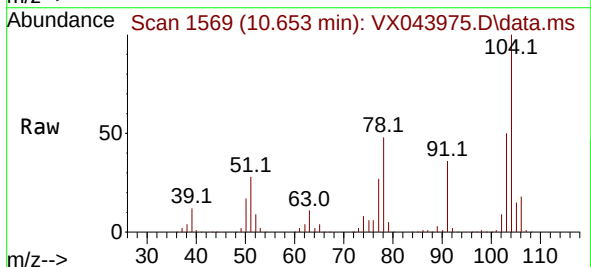
Tgt Ion:104 Resp: 215795

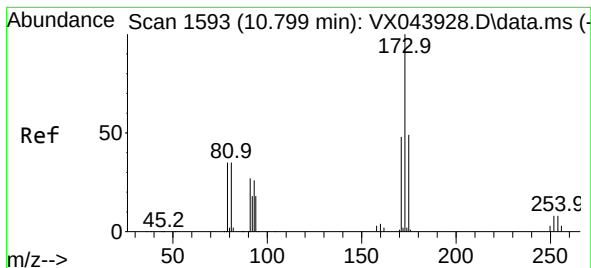
Ion Ratio Lower Upper

104 100

78 54.0 42.2 63.2

103 54.8 44.7 67.1





#71

Bromoform

Concen: 44.579 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

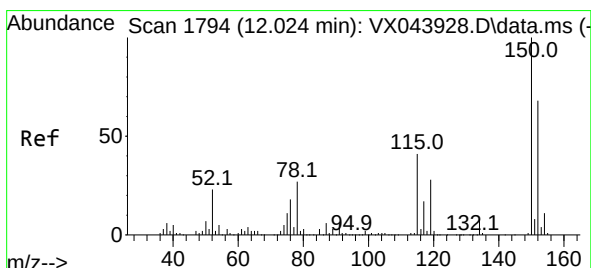
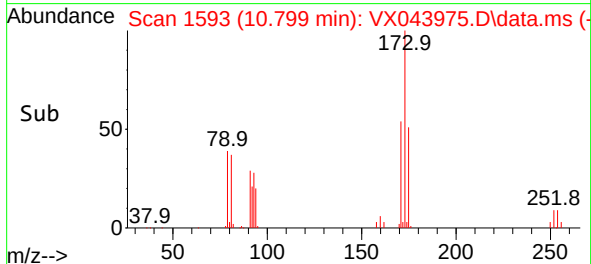
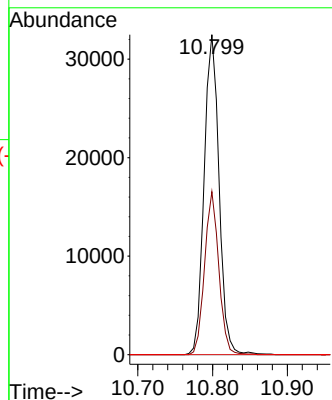
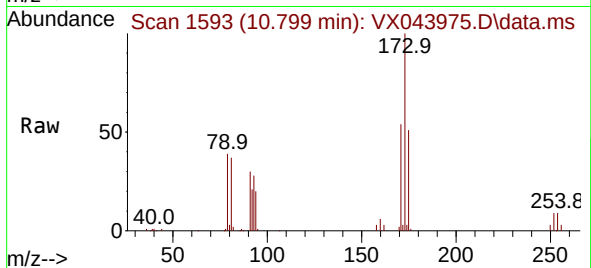
Tgt Ion:173 Resp: 45026

Ion Ratio Lower Upper

173 100

175 48.5 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

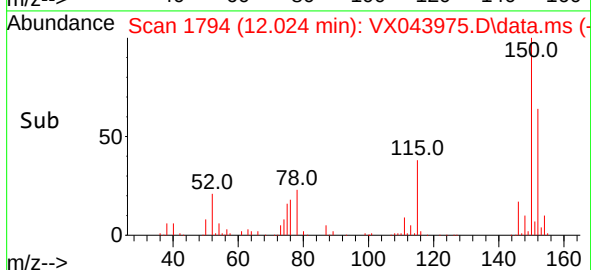
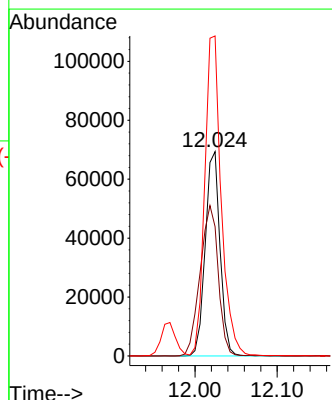
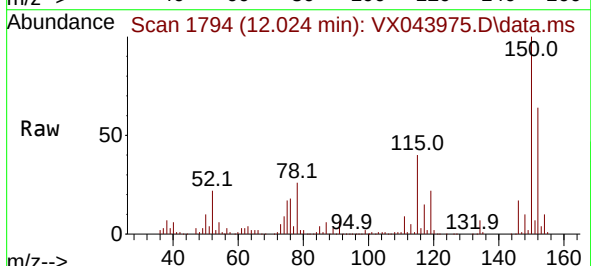
Tgt Ion:152 Resp: 86425

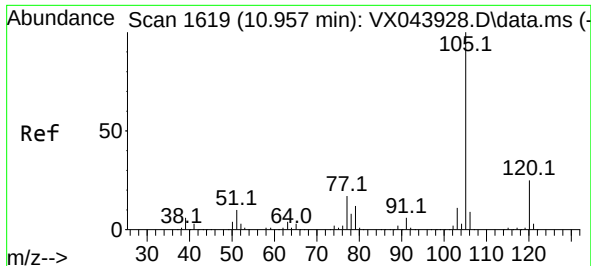
Ion Ratio Lower Upper

152 100

115 90.5 45.4 136.2

150 174.4 0.0 353.0

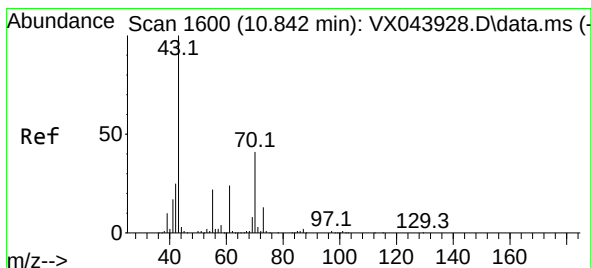
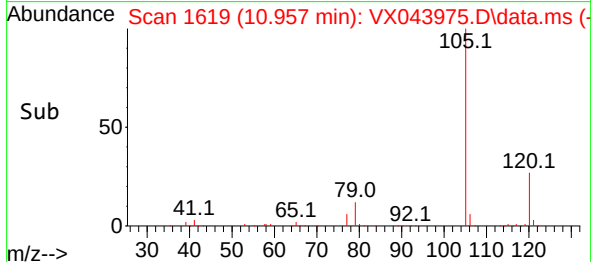
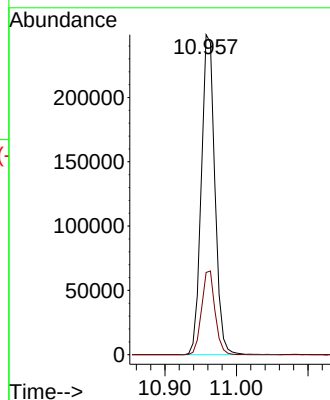
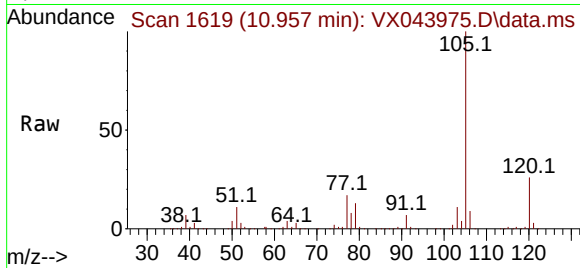




#73  
Isopropylbenzene  
Concen: 49.244 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

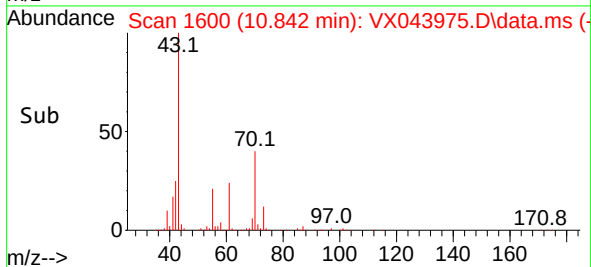
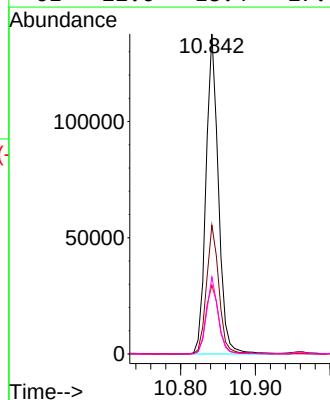
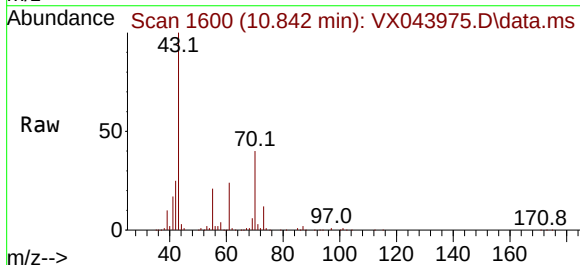
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

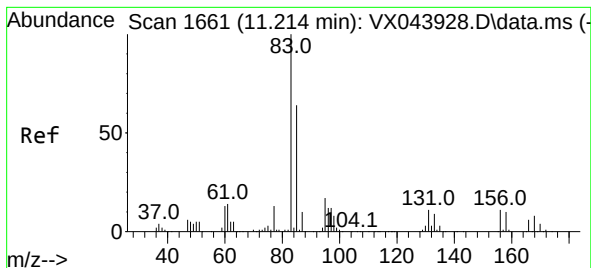
Tgt Ion:105 Resp: 327150  
Ion Ratio Lower Upper  
105 100  
120 26.0 13.0 38.9



#74  
N-ethyl acetate  
Concen: 51.633 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 43 Resp: 158903  
Ion Ratio Lower Upper  
43 100  
70 40.4 32.2 48.2  
55 22.5 18.1 27.1  
61 22.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 49.312 ug/l

RT: 11.214 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

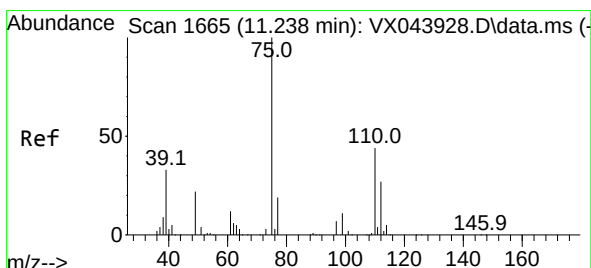
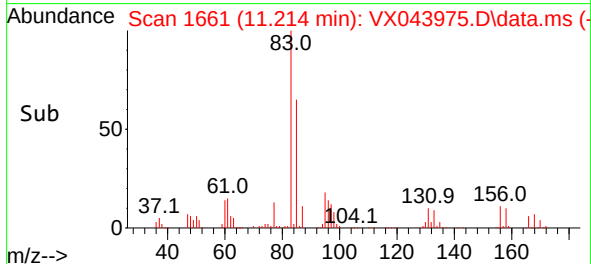
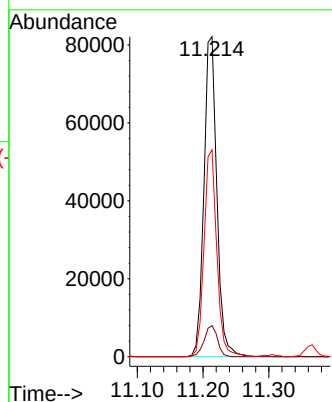
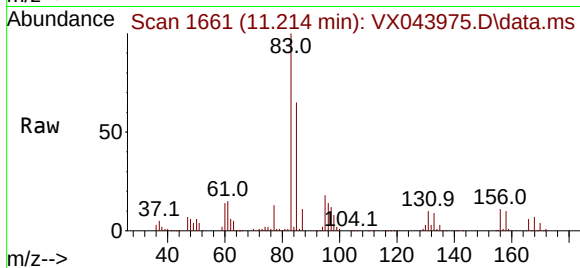
Tgt Ion: 83 Resp: 112173

Ion Ratio Lower Upper

83 100

131 10.0 5.1 15.2

85 63.9 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 64.696 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX043975.D

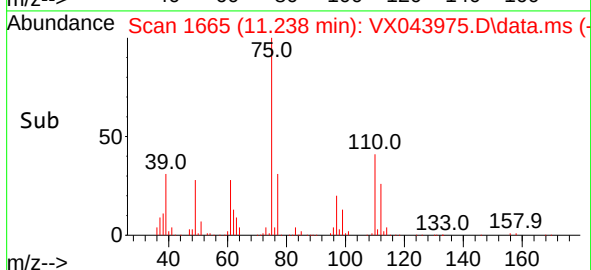
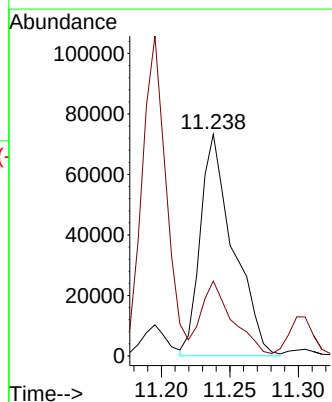
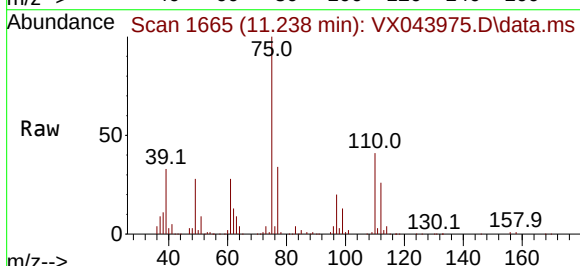
Acq: 22 Nov 2024 21:05

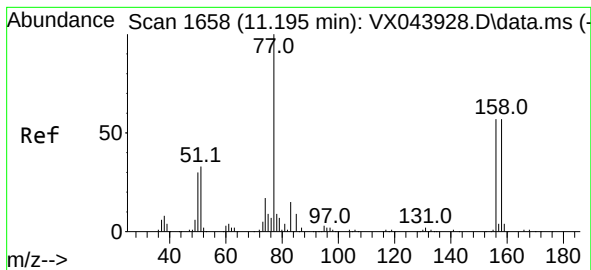
Tgt Ion: 75 Resp: 122618

Ion Ratio Lower Upper

75 100

77 32.3 21.8 65.3





#77

Bromobenzene

Concen: 47.990 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

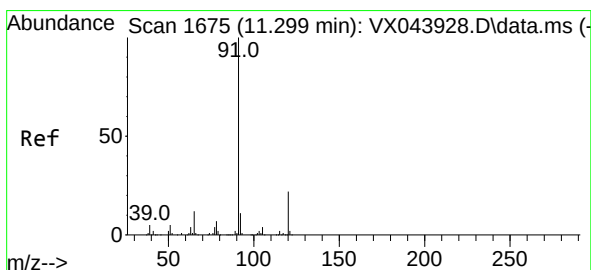
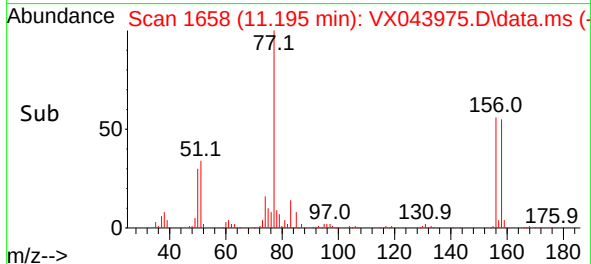
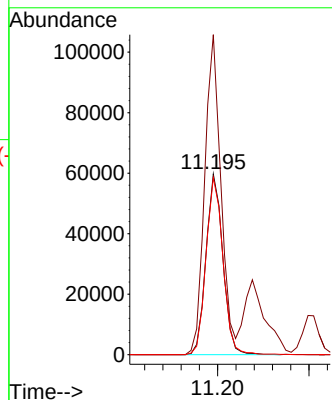
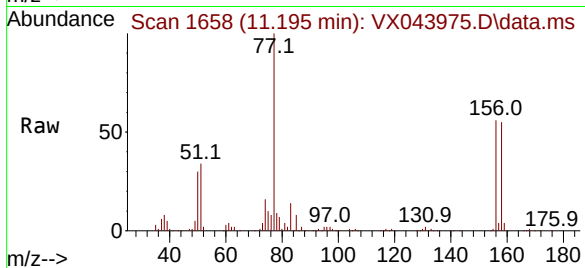
Tgt Ion:156 Resp: 76053

Ion Ratio Lower Upper

156 100

77 170.8 83.4 250.1

158 99.1 47.6 142.8



#78

n-propylbenzene

Concen: 51.172 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043975.D

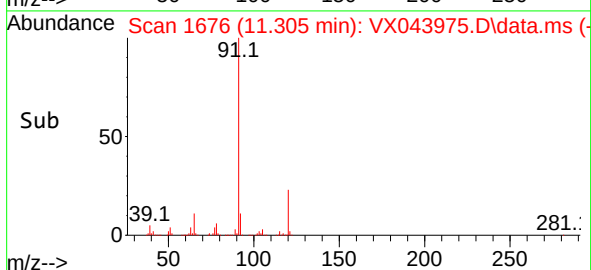
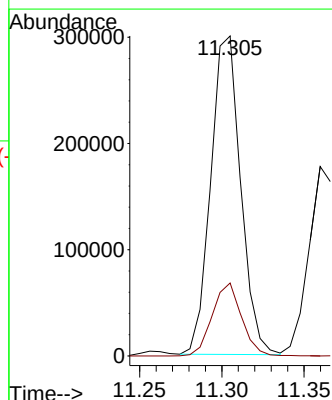
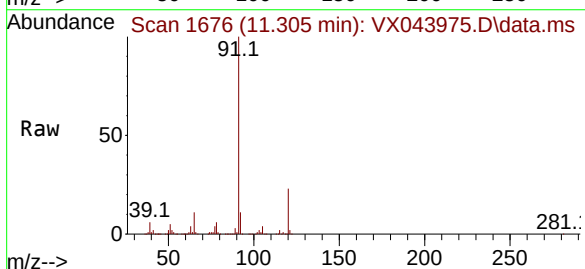
Acq: 22 Nov 2024 21:05

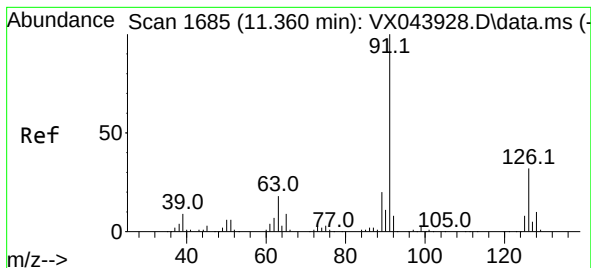
Tgt Ion: 91 Resp: 379686

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4

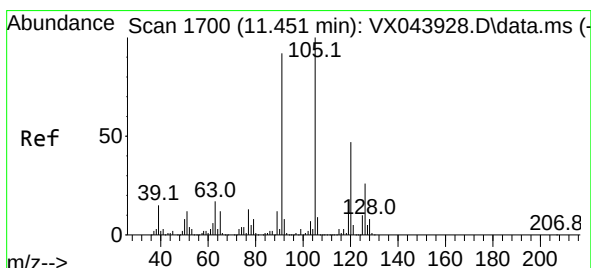
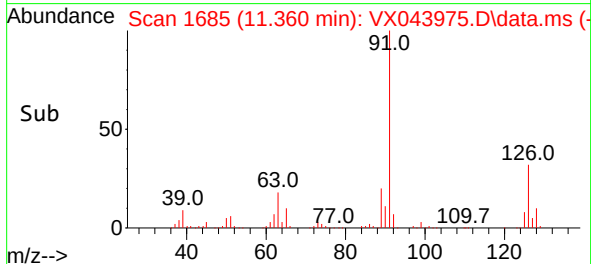
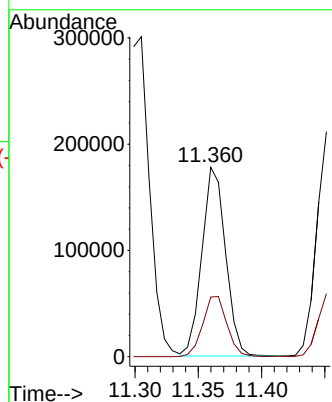
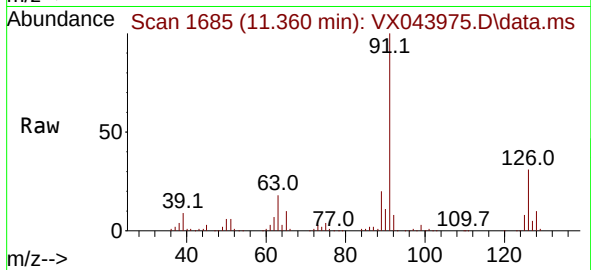




#79  
2-Chlorotoluene  
Concen: 49.328 ug/l  
RT: 11.360 min Scan# 1  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

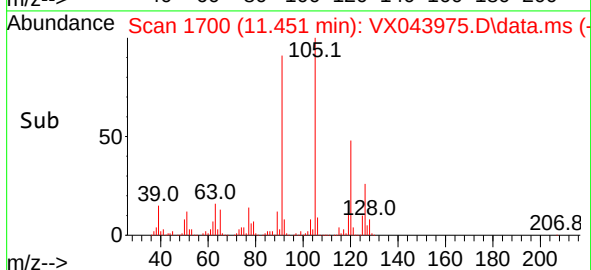
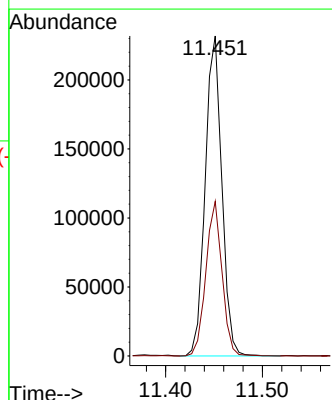
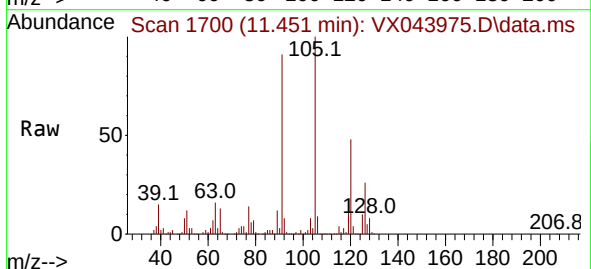
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

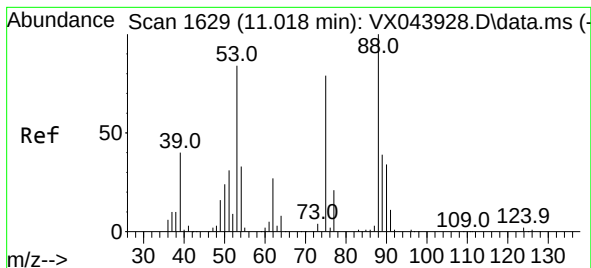
Tgt Ion: 91 Resp: 231439  
Ion Ratio Lower Upper  
91 100  
126 32.8 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 50.803 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion:105 Resp: 277669  
Ion Ratio Lower Upper  
105 100  
120 47.0 23.3 69.8

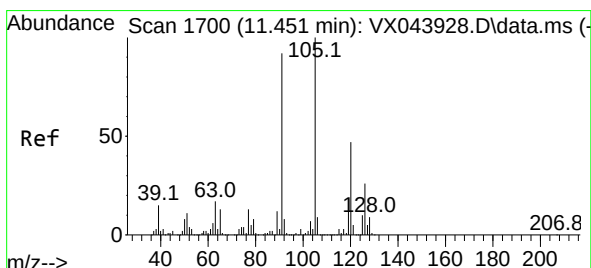
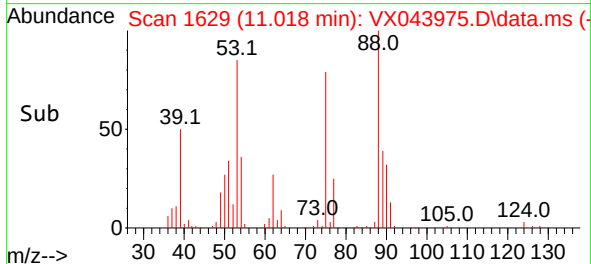
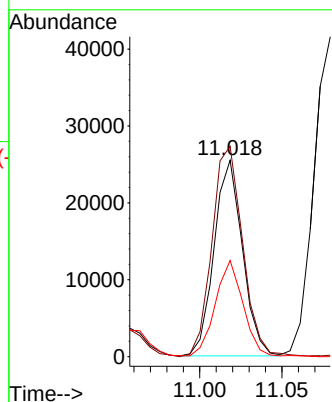
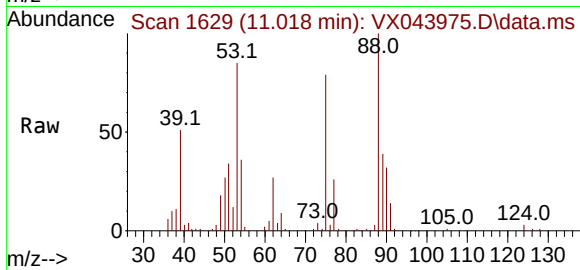




#81  
trans-1,4-Dichloro-2-butene  
Concen: 44.087 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

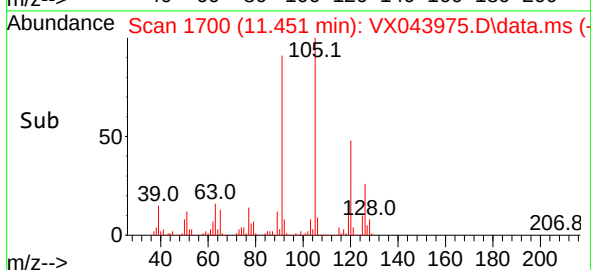
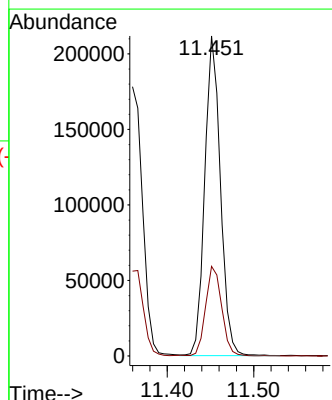
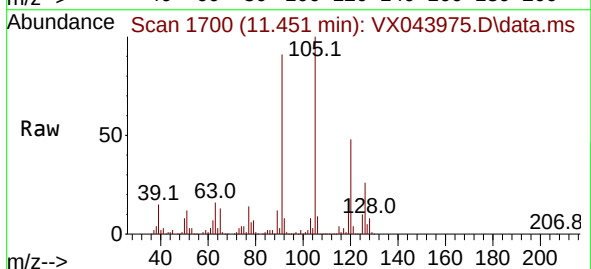
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 75 Resp: 30621  
Ion Ratio Lower Upper  
75 100  
53 116.2 86.7 130.1  
89 48.4 38.2 57.2

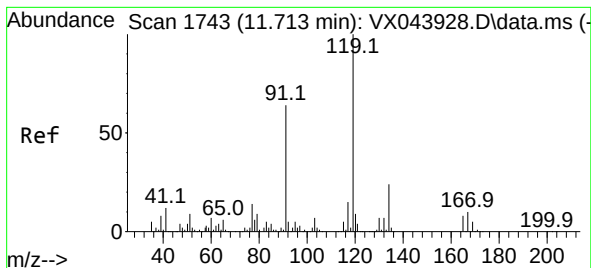


#82  
4-Chlorotoluene  
Concen: 50.170 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion: 91 Resp: 265745  
Ion Ratio Lower Upper  
91 100  
126 28.7 14.3 42.9







#83

tert-Butylbenzene

Concen: 50.777 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

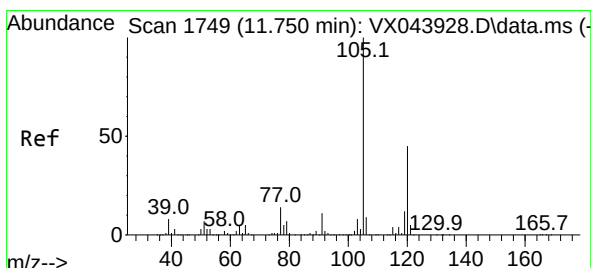
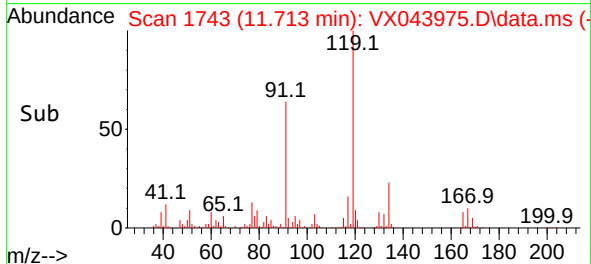
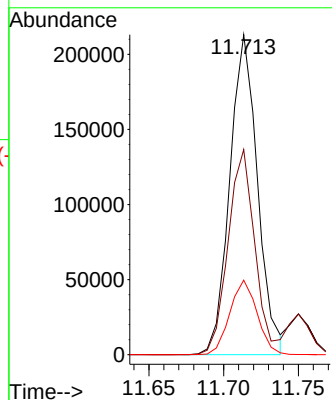
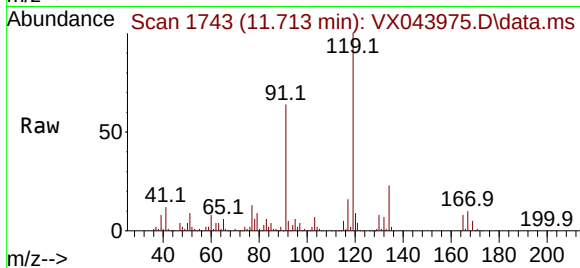
Tgt Ion:119 Resp: 275078

Ion Ratio Lower Upper

119 100

91 62.3 31.0 93.0

134 22.9 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 50.446 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043975.D

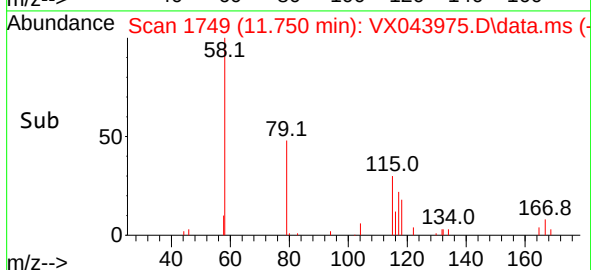
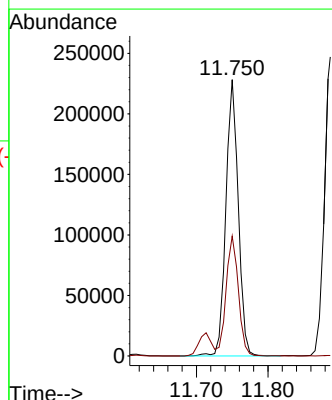
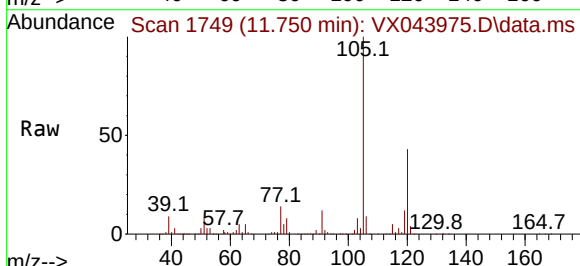
Acq: 22 Nov 2024 21:05

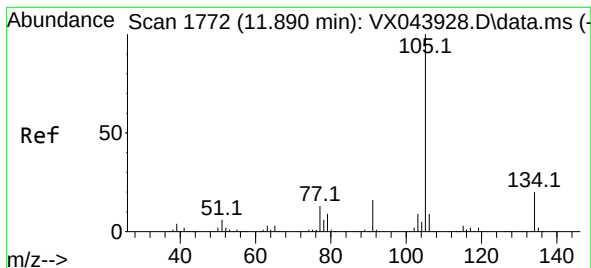
Tgt Ion:105 Resp: 274500

Ion Ratio Lower Upper

105 100

120 43.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 49.060 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

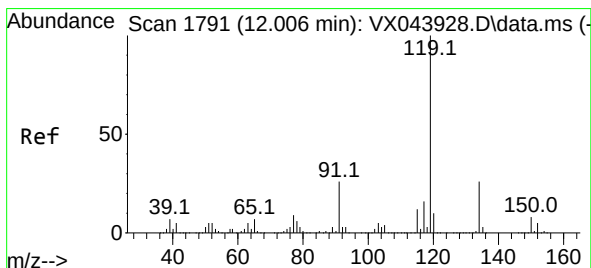
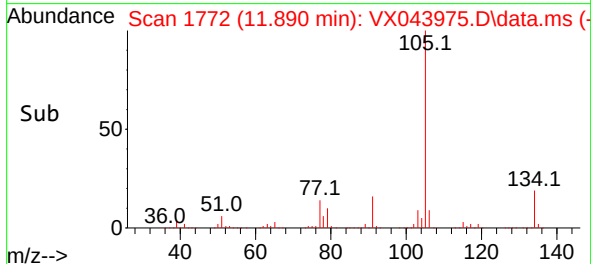
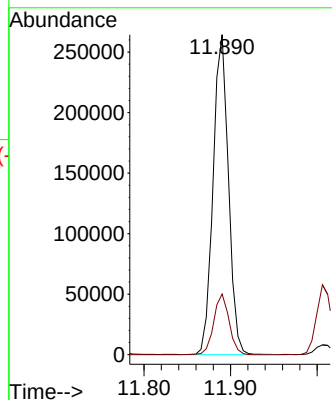
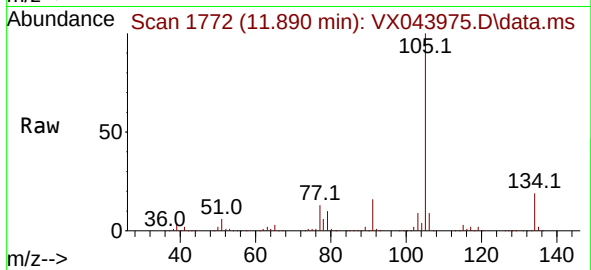
VSTDCCC050EC

Tgt Ion:105 Resp: 325633

Ion Ratio Lower Upper

105 100

134 18.9 9.7 29.1



#86

p-Isopropyltoluene

Concen: 50.312 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

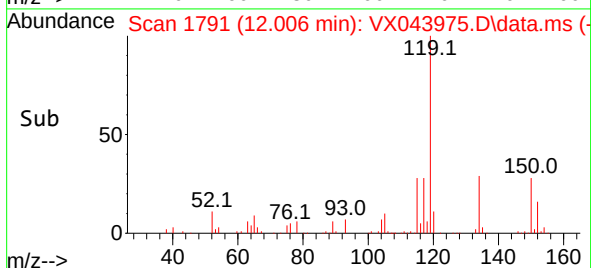
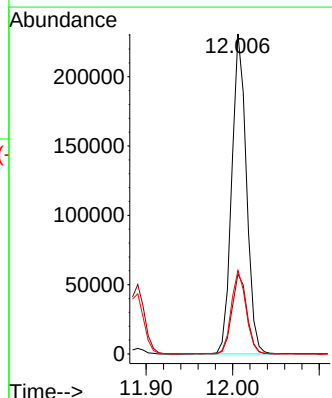
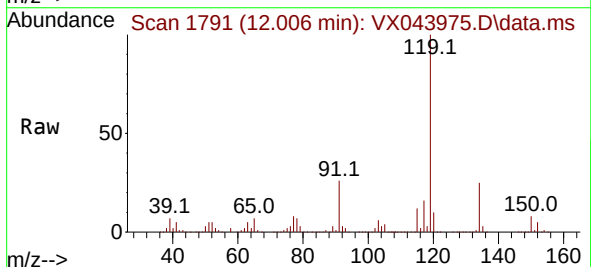
Tgt Ion:119 Resp: 271259

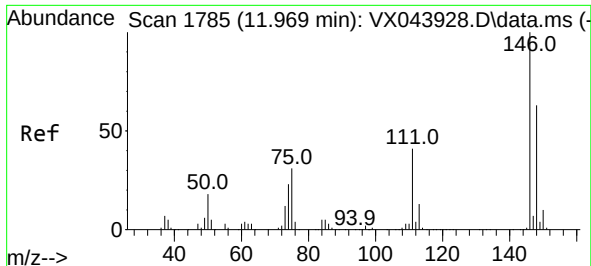
Ion Ratio Lower Upper

119 100

134 25.6 13.0 38.9

91 26.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.044 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

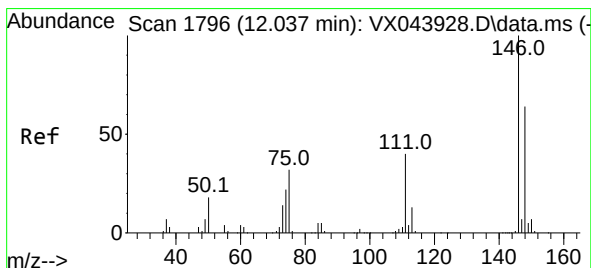
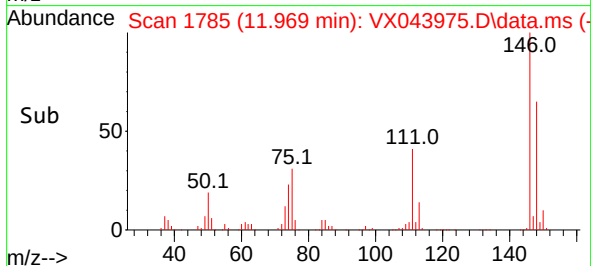
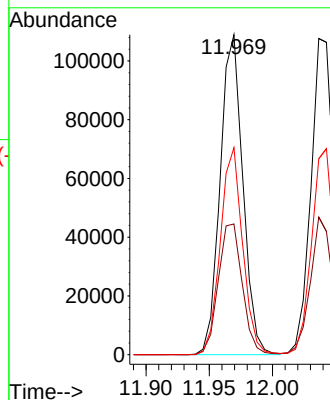
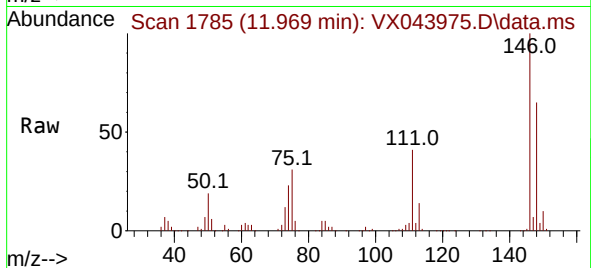
Tgt Ion:146 Resp: 135787

Ion Ratio Lower Upper

146 100

111 43.3 21.1 63.3

148 63.5 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 46.839 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

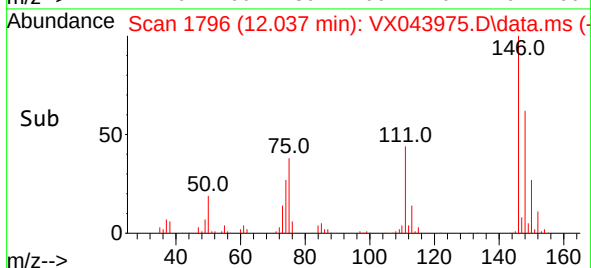
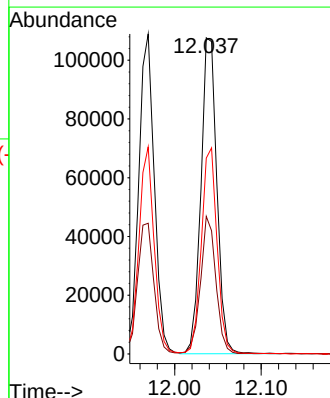
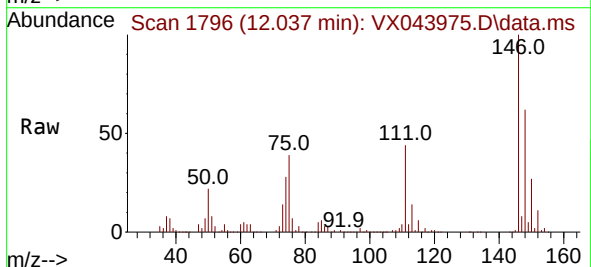
Tgt Ion:146 Resp: 137836

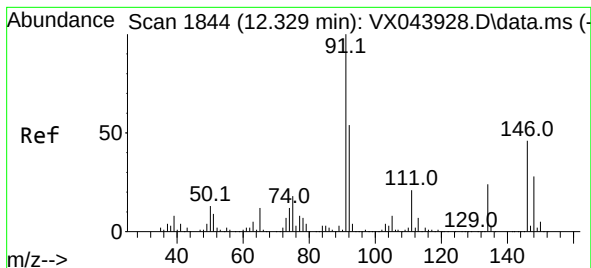
Ion Ratio Lower Upper

146 100

111 41.8 20.1 60.3

148 64.8 30.9 92.8





#89

n-Butylbenzene

Concen: 50.543 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

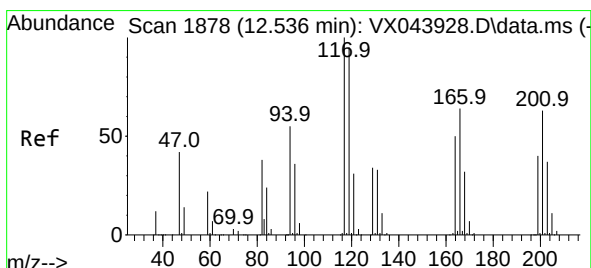
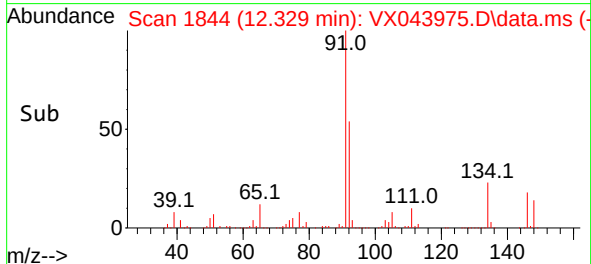
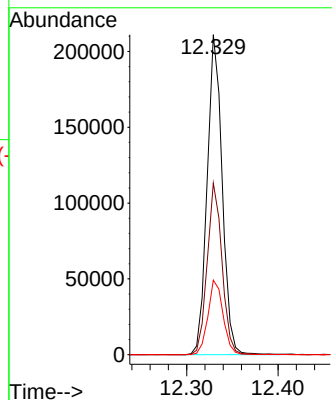
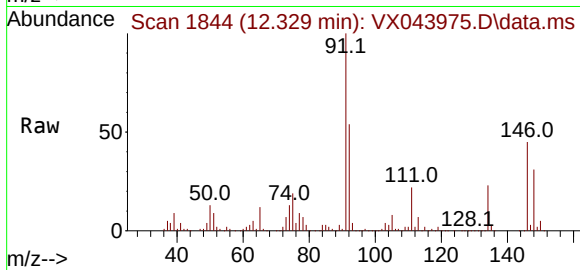
Tgt Ion: 91 Resp: 240255

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

134 23.6 12.4 37.2



#90

Hexachloroethane

Concen: 48.179 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043975.D

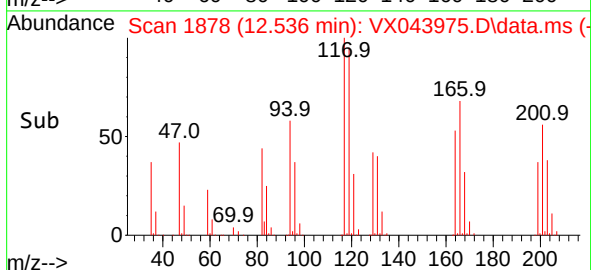
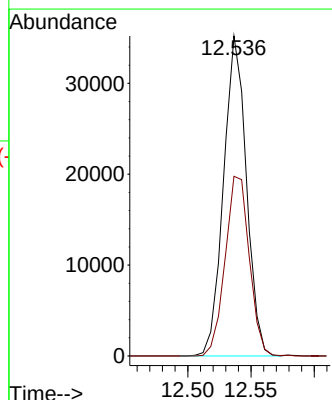
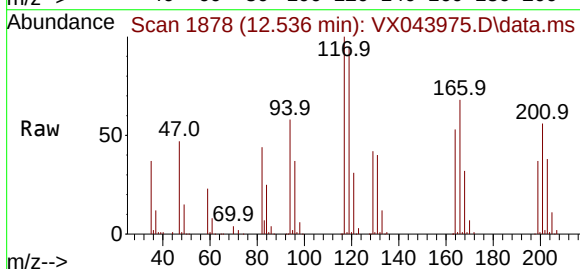
Acq: 22 Nov 2024 21:05

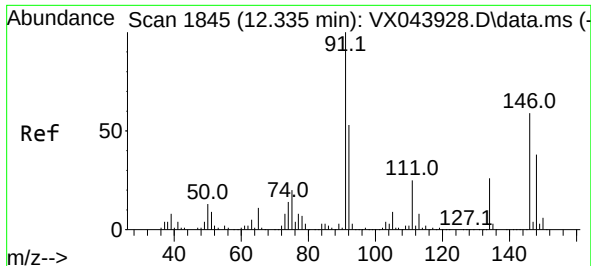
Tgt Ion: 117 Resp: 44170

Ion Ratio Lower Upper

117 100

201 59.5 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 47.819 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

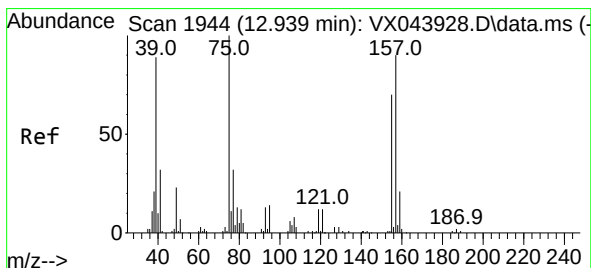
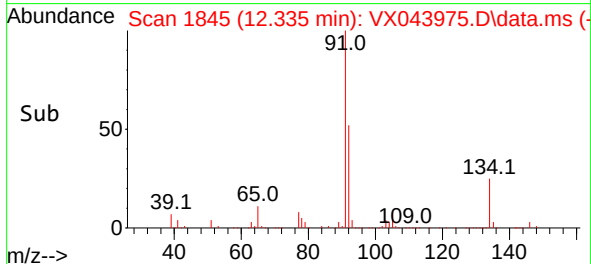
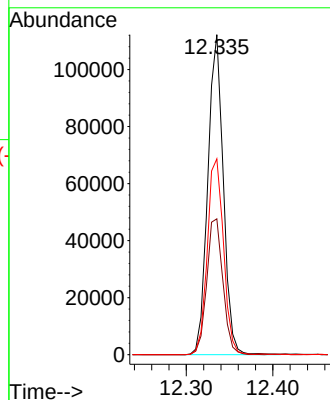
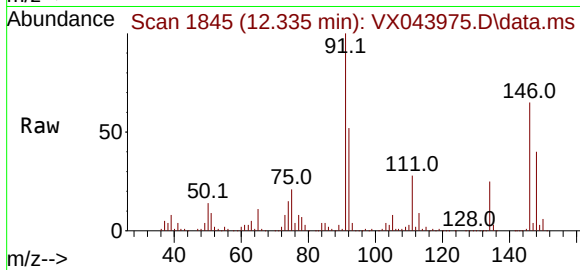
Tgt Ion:146 Resp: 139290

Ion Ratio Lower Upper

146 100

111 44.4 21.5 64.5

148 64.0 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 47.196 ug/l

RT: 12.945 min Scan# 1945

Delta R.T. 0.006 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

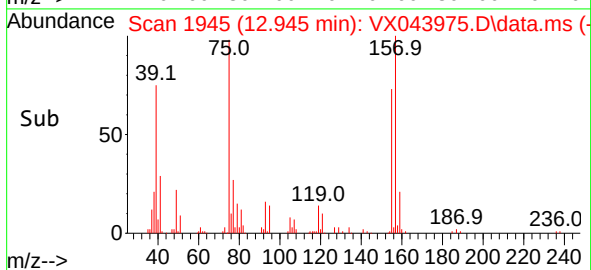
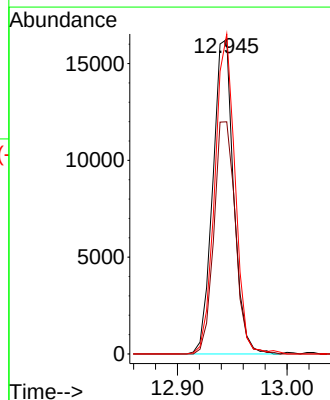
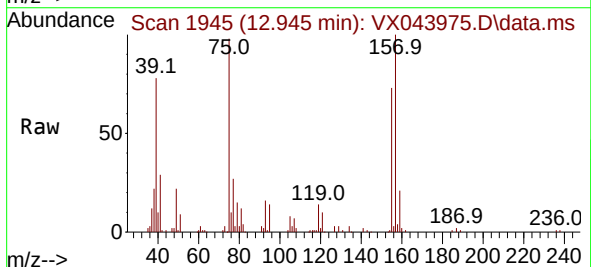
Tgt Ion: 75 Resp: 21512

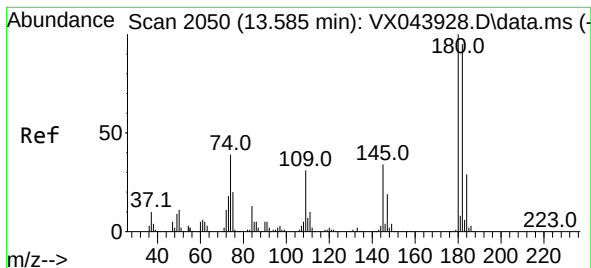
Ion Ratio Lower Upper

75 100

155 75.7 40.1 120.2

157 98.5 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 47.087 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

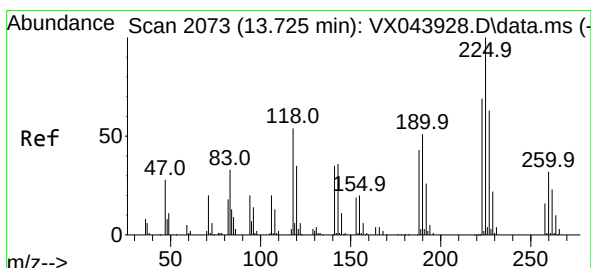
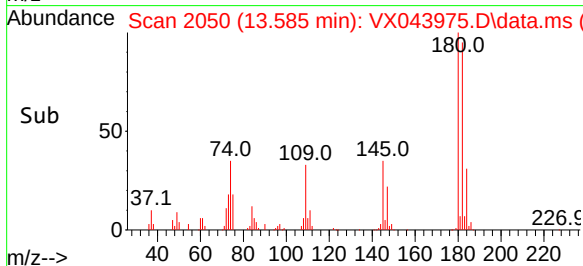
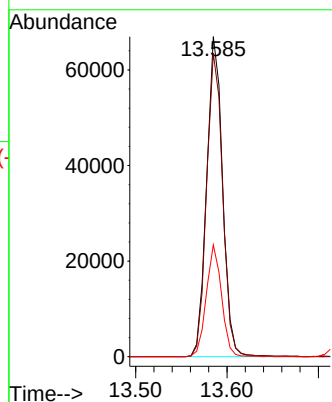
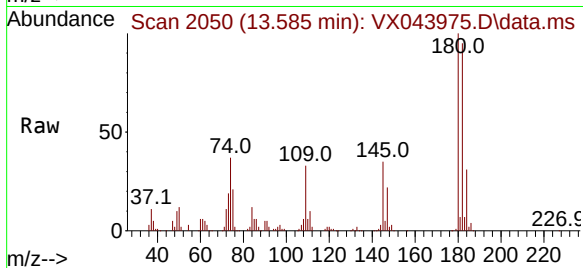
Tgt Ion:180 Resp: 80863

Ion Ratio Lower Upper

180 100

182 95.8 48.0 144.2

145 33.5 16.8 50.4



#94

Hexachlorobutadiene

Concen: 43.962 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043975.D

Acq: 22 Nov 2024 21:05

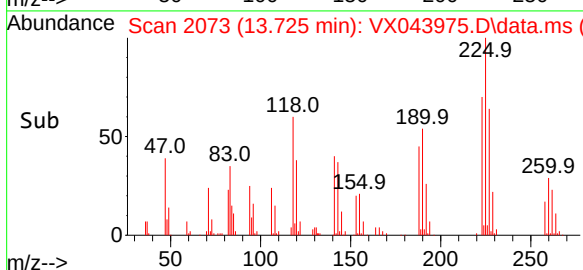
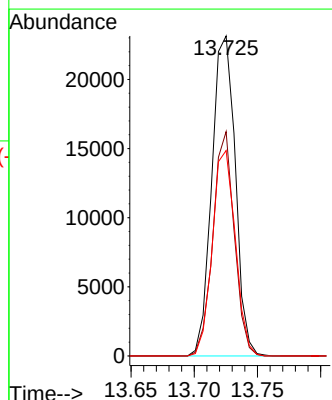
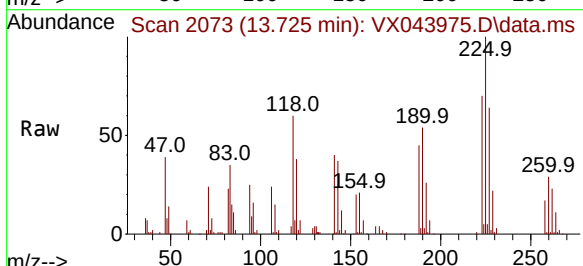
Tgt Ion:225 Resp: 29838

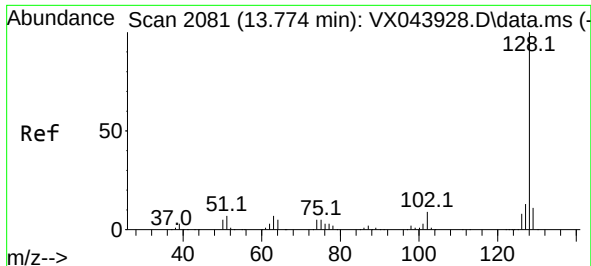
Ion Ratio Lower Upper

225 100

223 63.9 32.9 98.6

227 63.0 31.6 94.8

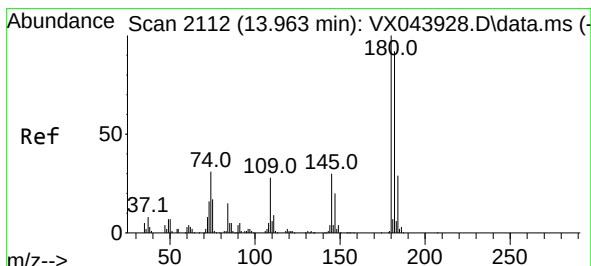
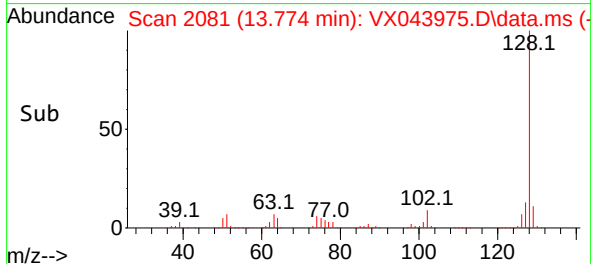
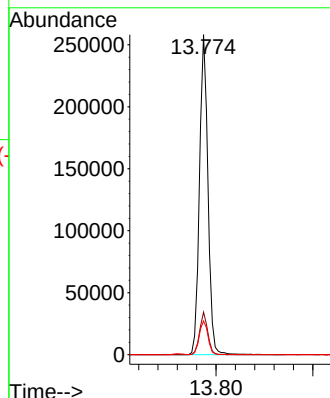
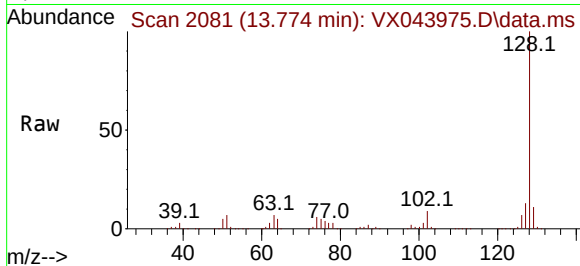




#95  
Naphthalene  
Concen: 50.444 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

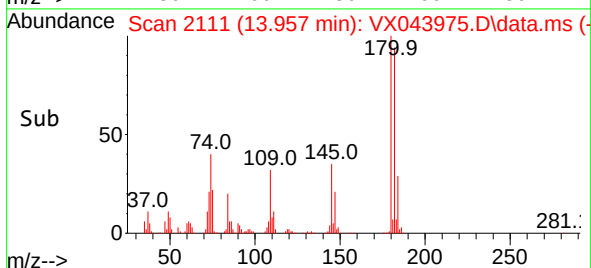
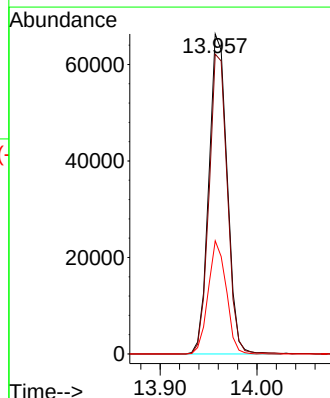
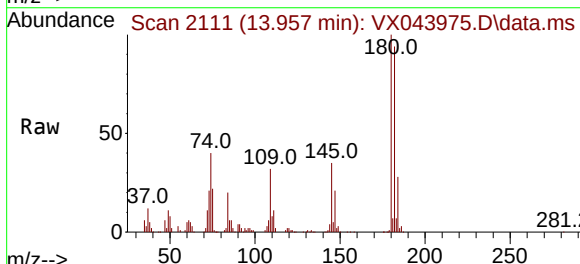
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 311837  
Ion Ratio Lower Upper  
128 100  
127 12.8 10.2 15.2  
129 10.8 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 50.266 ug/l  
RT: 13.957 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: VX043975.D  
Acq: 22 Nov 2024 21:05

Tgt Ion:180 Resp: 87371  
Ion Ratio Lower Upper  
180 100  
182 93.8 45.6 136.8  
145 34.8 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 27 07:36:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.543  | 168  | 132560   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.750  | 114  | 232543   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 196596   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 94886    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.946  | 65    | 111407   | 49.000   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 98.000%  |
| 35) Dibromofluoromethane  | 5.373  | 113   | 83636    | 50.333   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 100.660% |
| 50) Toluene-d8            | 8.646  | 98    | 285275   | 49.805   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 99.620%  |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 98993    | 50.783   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 101.560% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 78031   | 46.466  | ug/l | 97     |
| 3) Chloromethane             | 1.294 | 50  | 82659   | 46.775  | ug/l | 100    |
| 4) Vinyl Chloride            | 1.373 | 62  | 86898   | 46.231  | ug/l | 97     |
| 5) Bromomethane              | 1.593 | 94  | 59627   | 51.566  | ug/l | 100    |
| 6) Chloroethane              | 1.666 | 64  | 55513   | 48.469  | ug/l | 98     |
| 7) Trichlorofluoromethane    | 1.867 | 101 | 150681  | 44.839  | ug/l | 98     |
| 8) Diethyl Ether             | 2.129 | 74  | 57910   | 47.280  | ug/l | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 2.318 | 101 | 76375   | 47.646  | ug/l | 99     |
| 10) Methyl Iodide            | 2.440 | 142 | 95686   | 47.795  | ug/l | 98     |
| 11) Tert butyl alcohol       | 2.995 | 59  | 80418   | 220.360 | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 70387   | 46.080  | ug/l | 97     |
| 13) Acrolein                 | 2.233 | 56  | 86322   | 224.411 | ug/l | 98     |
| 14) Allyl chloride           | 2.654 | 41  | 117463  | 47.063  | ug/l | 98     |
| 15) Acrylonitrile            | 3.062 | 53  | 212767  | 239.244 | ug/l | 98     |
| 16) Acetone                  | 2.379 | 43  | 239021  | 228.890 | ug/l | 99     |
| 17) Carbon Disulfide         | 2.501 | 76  | 139122  | 44.155  | ug/l | 97     |
| 18) Methyl Acetate           | 2.702 | 43  | 113156  | 46.531  | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 268289  | 48.373  | ug/l | 98     |
| 20) Methylene Chloride       | 2.782 | 84  | 82791   | 46.719  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene | 3.080 | 96  | 74174   | 47.034  | ug/l | 99     |
| 22) Diisopropyl ether        | 3.757 | 45  | 262616  | 49.207  | ug/l | 97     |
| 23) Vinyl Acetate            | 3.714 | 43  | 1133947 | 248.374 | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 149933  | 48.697  | ug/l | 100    |
| 25) 2-Butanone               | 4.556 | 43  | 318432  | 236.327 | ug/l | 100    |
| 26) 2,2-Dichloropropane      | 4.464 | 77  | 131754  | 47.384  | ug/l | 100    |
| 27) cis-1,2-Dichloroethene   | 4.476 | 96  | 94434   | 48.444  | ug/l | 98     |
| 28) Bromochloromethane       | 4.891 | 49  | 64856   | 47.856  | ug/l | 99     |
| 29) Tetrahydrofuran          | 5.001 | 42  | 192450  | 232.975 | ug/l | 98     |
| 30) Chloroform               | 5.086 | 83  | 163376  | 49.337  | ug/l | 93     |
| 31) Cyclohexane              | 5.458 | 56  | 117118  | 46.218  | ug/l | 98     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 139993  | 49.023  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 101514  | 49.026  | ug/l | 98     |
| 37) Ethyl Acetate            | 4.708 | 43  | 118947  | 46.278  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 5.671 | 117 | 117996  | 50.716  | ug/l | 99     |
| 39) Methylcyclohexane        | 7.372 | 83  | 128697  | 47.843  | ug/l | 96     |
| 40) Benzene                  | 6.031 | 78  | 315624  | 48.936  | ug/l | 98     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043977.D  
 Acq On : 25 Nov 2024 11:27  
 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 27 07:36:04 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.915  | 41   | 63274    | 48.098  | ug/l   | 95       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 126975   | 49.018  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 197344   | 48.245  | ug/l   | 99       |
| 44) Trichloroethene           | 7.116  | 130  | 77683    | 42.546  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 78811    | 49.890  | ug/l   | 96       |
| 46) Dibromomethane            | 7.573  | 93   | 62964    | 50.387  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.817  | 83   | 116299   | 51.893  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.689  | 41   | 94692    | 48.244  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 30394    | 869.321 | ug/l # | 83       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 596153   | 238.823 | ug/l   | 100      |
| 52) Toluene                   | 8.713  | 92   | 193103   | 50.022  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 117928   | 51.600  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 126204   | 50.373  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.146  | 97   | 78203    | 49.075  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 122941   | 49.531  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 133878   | 49.872  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 308826   | 226.771 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 453330   | 241.619 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 82843    | 51.814  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 79994    | 49.645  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.268  | 164  | 64988    | 50.133  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 212422   | 49.197  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 73082    | 52.189  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 369929   | 50.561  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 277477   | 101.696 | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 133377   | 50.067  | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 230674   | 52.353  | ug/l   | 99       |
| 71) Bromoform                 | 10.798 | 173  | 48701    | 46.066  | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.957 | 105  | 351294   | 48.163  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 163405   | 48.361  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 118187   | 47.323  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 130845   | 62.881  | ug/l   | 82       |
| 77) Bromobenzene              | 11.195 | 156  | 84168    | 48.374  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.304 | 91   | 406428   | 49.892  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.359 | 91   | 246237   | 47.802  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 298167   | 49.689  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 35040    | 45.951  | ug/l   | 97       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 282543   | 48.585  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 292877   | 49.242  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 298636   | 49.987  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 362725   | 49.775  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 306406   | 51.764  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 154082   | 48.622  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 153444   | 47.493  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 266108   | 50.989  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 48961    | 48.643  | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 155387   | 48.588  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 23083    | 46.127  | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 90486    | 47.992  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36196    | 48.575  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 334769   | 49.325  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.956 | 180  | 92716    | 48.584  | ug/l   | 94       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043977.D  
Acq On : 25 Nov 2024 11:27  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

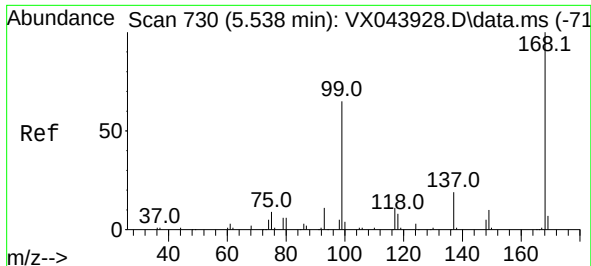
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MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Quant Time: Nov 27 07:36:04 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

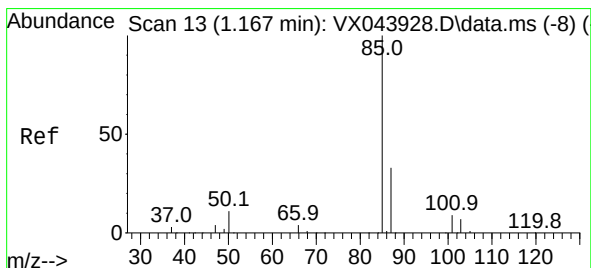
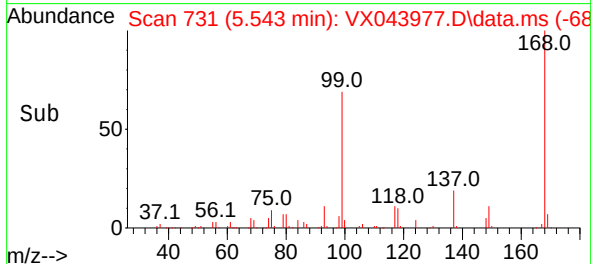
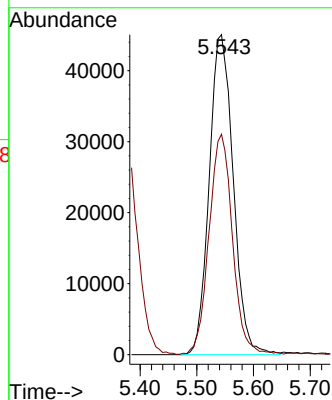
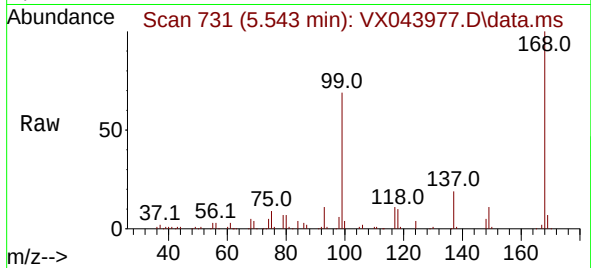




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.543 min Scan# 731  
Delta R.T. 0.005 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

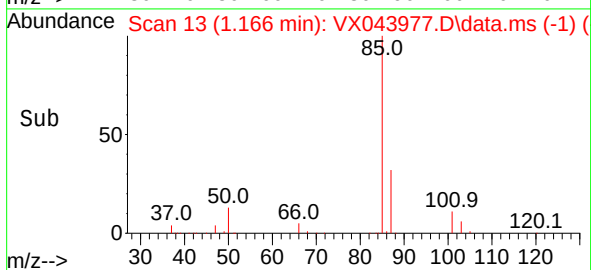
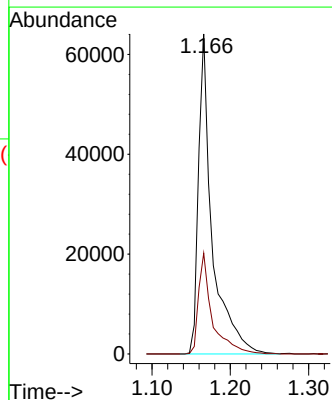
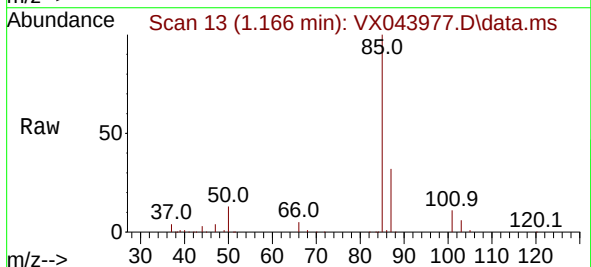
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

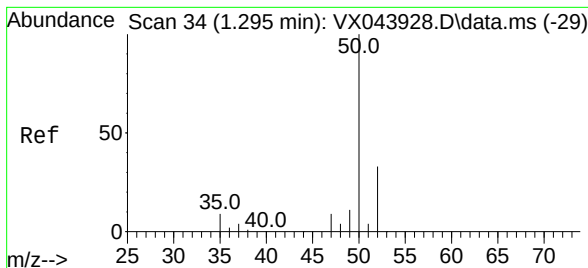
Tgt Ion:168 Resp: 132560  
Ion Ratio Lower Upper  
168 100  
99 68.7 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 46.466 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 85 Resp: 78031  
Ion Ratio Lower Upper  
85 100  
87 31.5 16.6 49.8





#3

Chloromethane

Concen: 46.775 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

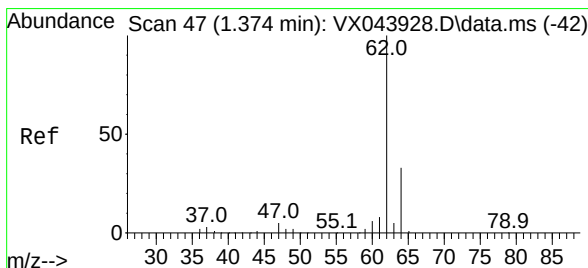
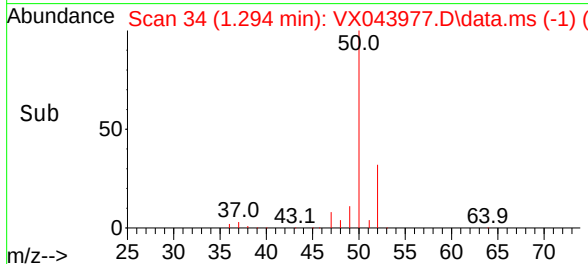
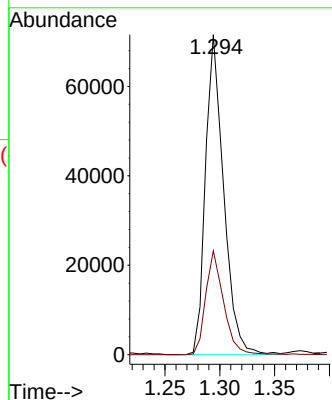
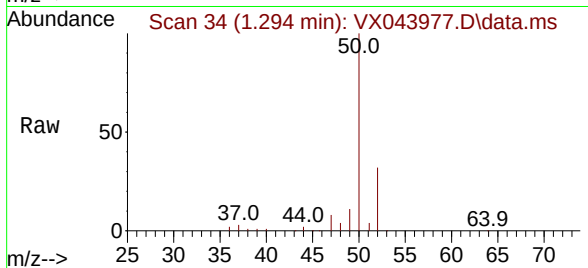
VSTDCCC050

Tgt Ion: 50 Resp: 82659

Ion Ratio Lower Upper

50 100

52 32.5 26.1 39.1



#4

Vinyl Chloride

Concen: 46.231 ug/l

RT: 1.373 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX043977.D

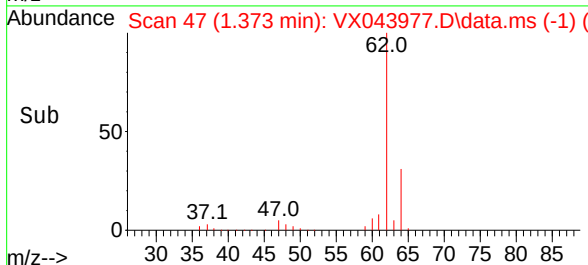
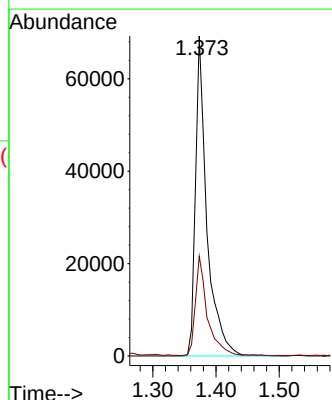
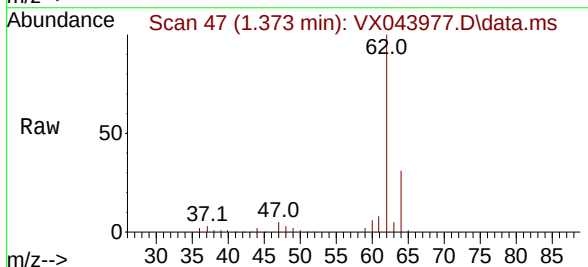
Acq: 25 Nov 2024 11:27

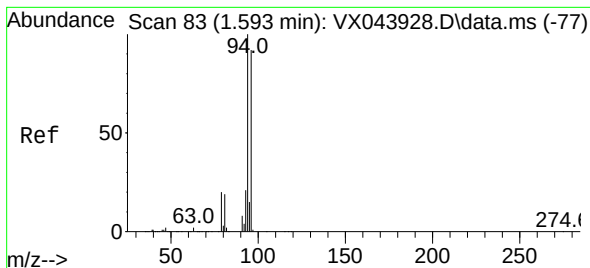
Tgt Ion: 62 Resp: 86898

Ion Ratio Lower Upper

62 100

64 31.1 26.2 39.4





#5

Bromomethane

Concen: 51.566 ug/l

RT: 1.593 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

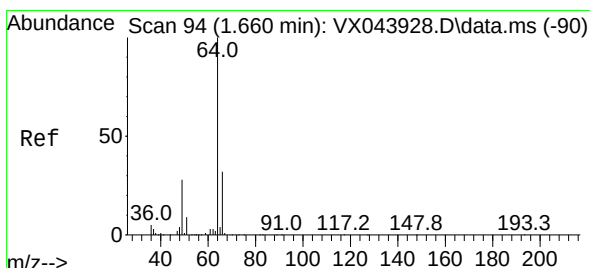
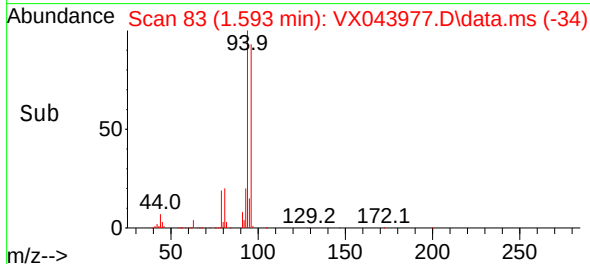
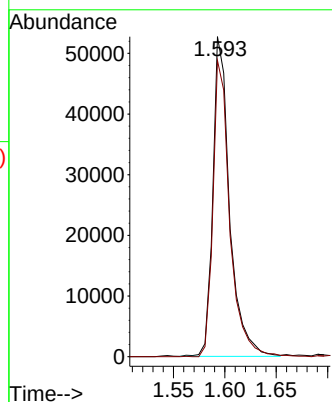
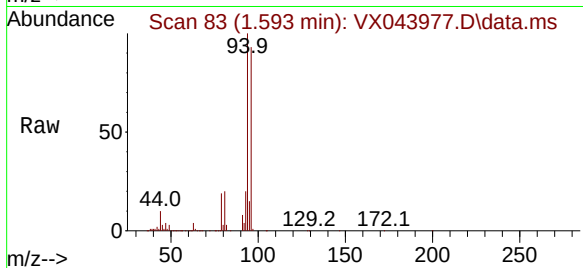
VSTDCCC050

Tgt Ion: 94 Resp: 59627

Ion Ratio Lower Upper

94 100

96 92.6 73.9 110.9



#6

Chloroethane

Concen: 48.469 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043977.D

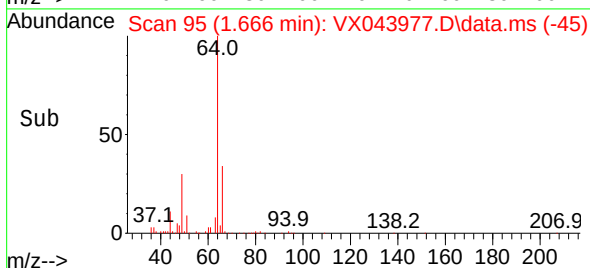
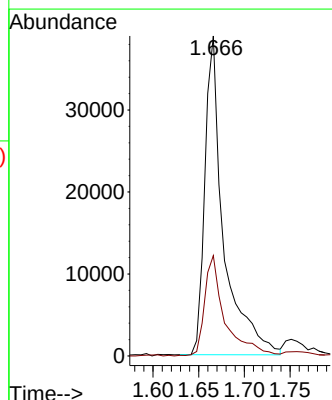
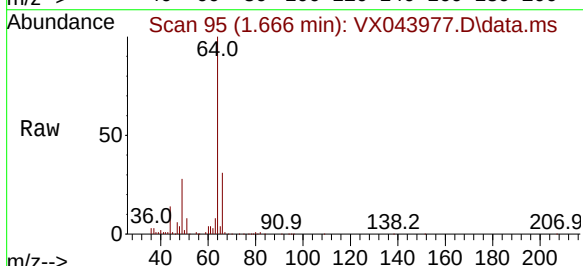
Acq: 25 Nov 2024 11:27

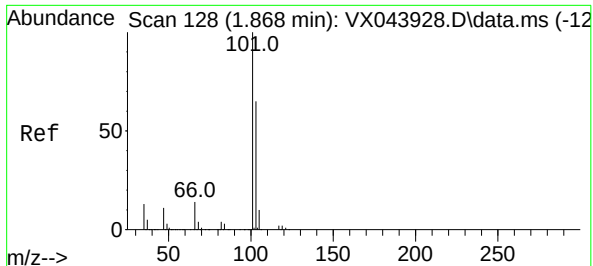
Tgt Ion: 64 Resp: 55513

Ion Ratio Lower Upper

64 100

66 31.3 25.9 38.9

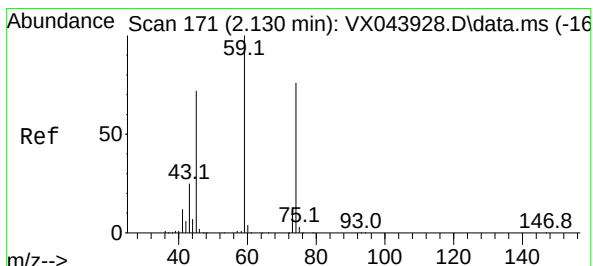
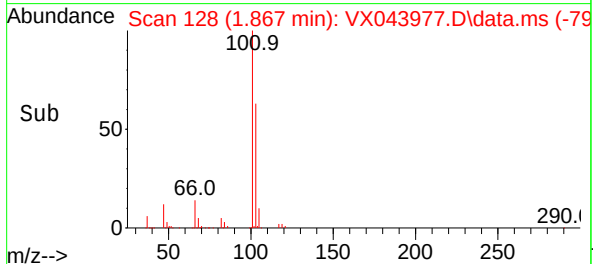
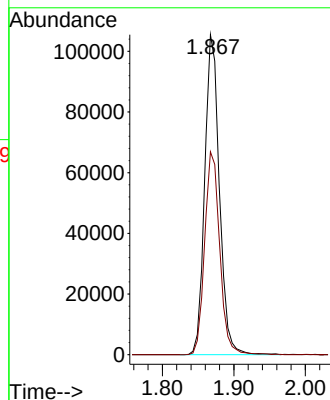
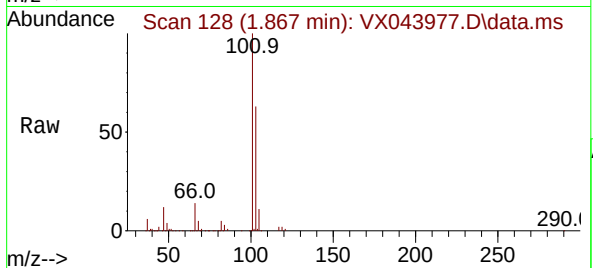




#7  
Trichlorofluoromethane  
Concen: 44.839 ug/l  
RT: 1.867 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

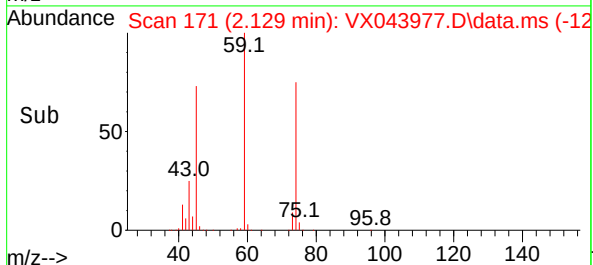
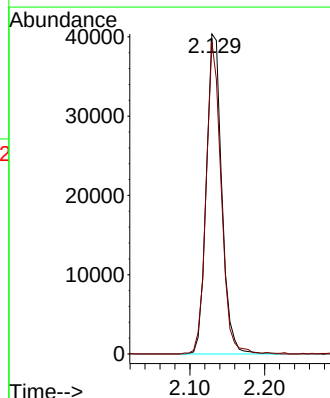
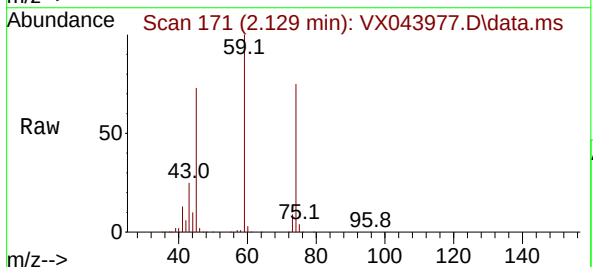
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

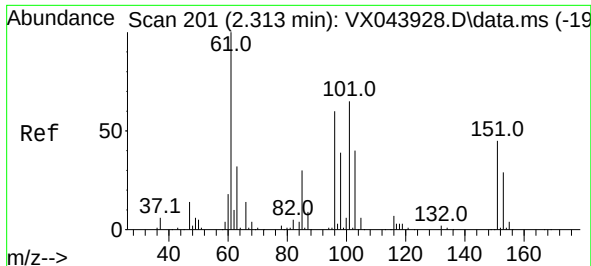
Tgt Ion:101 Resp: 150681  
Ion Ratio Lower Upper  
101 100  
103 63.4 52.2 78.2



#8  
Diethyl Ether  
Concen: 47.280 ug/l  
RT: 2.129 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 74 Resp: 57910  
Ion Ratio Lower Upper  
74 100  
45 95.0 47.9 143.6

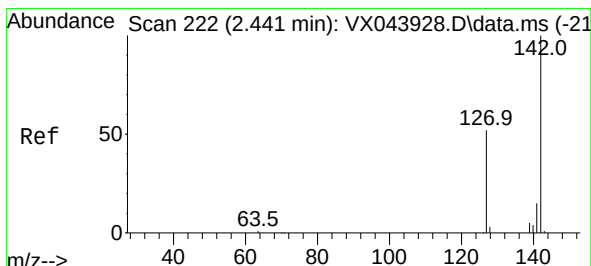
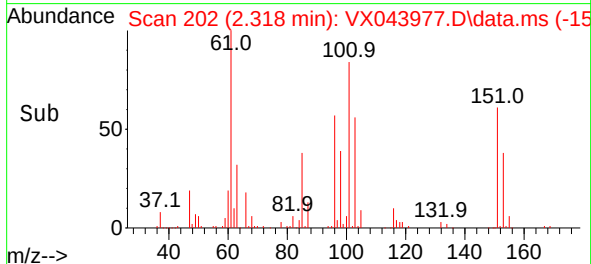
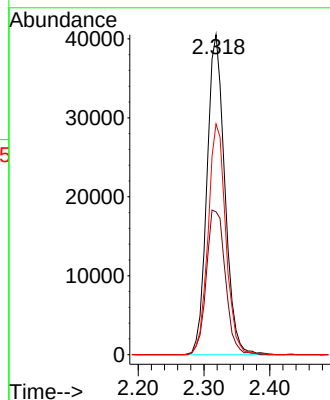
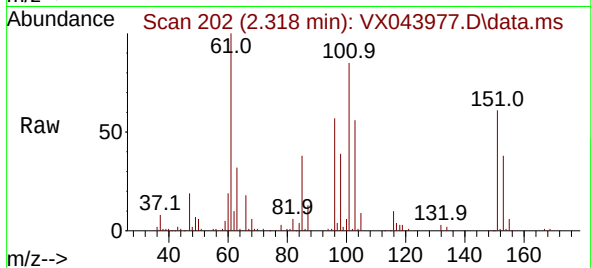




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 47.646 ug/l  
RT: 2.318 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

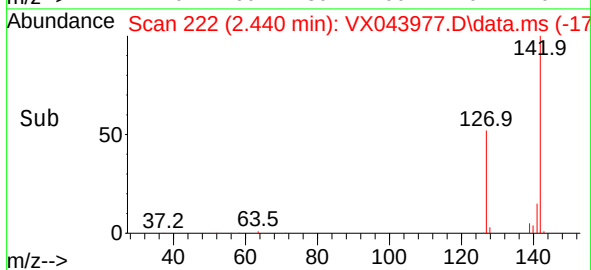
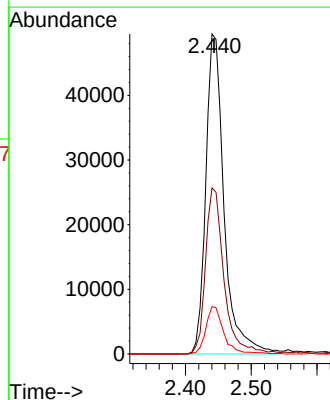
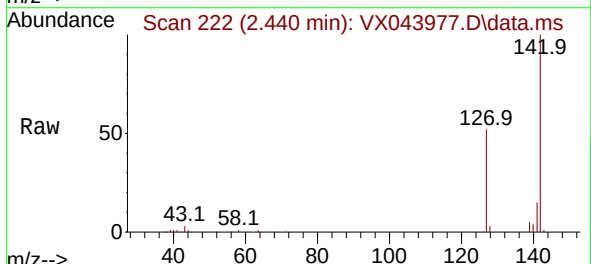
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:101 Resp: 76375  
Ion Ratio Lower Upper  
101 100  
85 48.2 37.9 56.9  
151 71.7 57.5 86.3

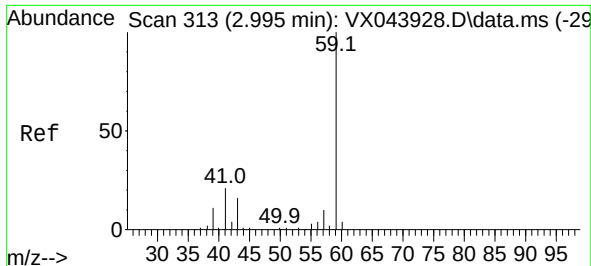


#10  
Methyl Iodide  
Concen: 47.795 ug/l  
RT: 2.440 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion:142 Resp: 95686  
Ion Ratio Lower Upper  
142 100  
127 52.7 40.7 61.1  
141 14.5 12.0 18.0



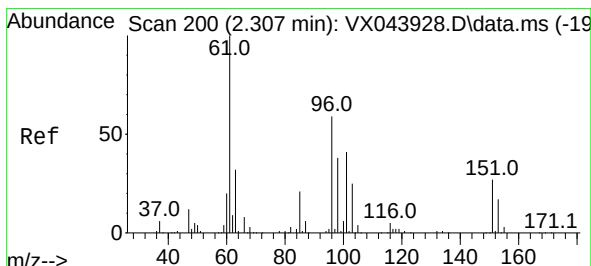
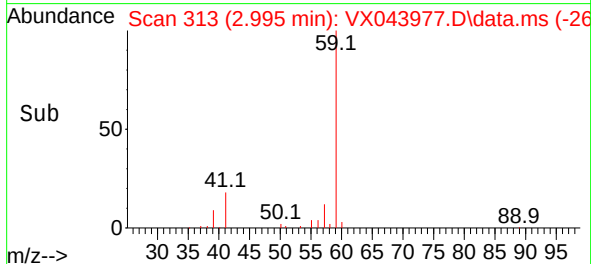
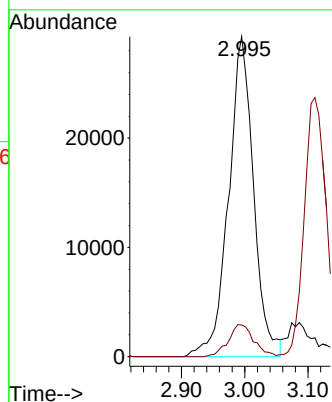
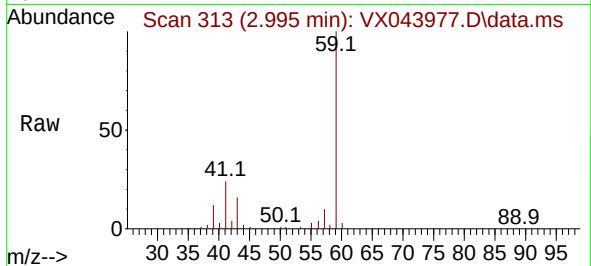




#11  
Tert butyl alcohol  
Concen: 220.360 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

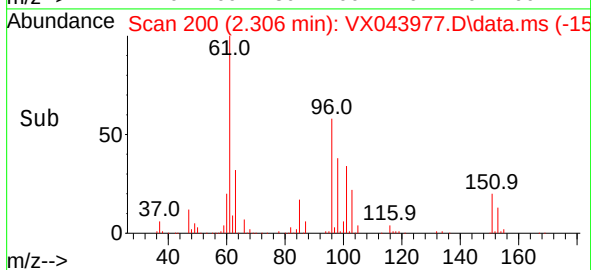
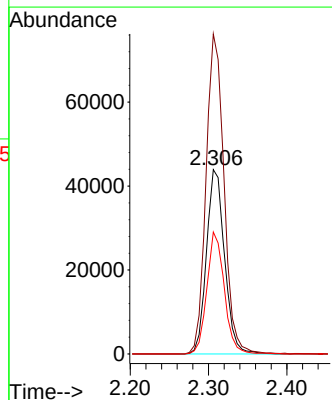
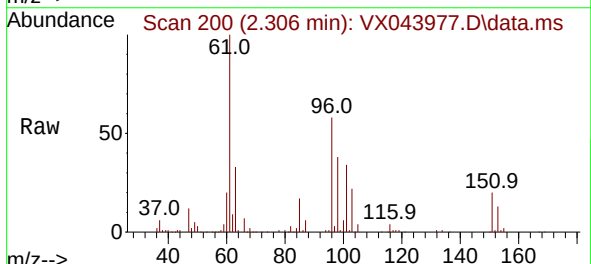
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

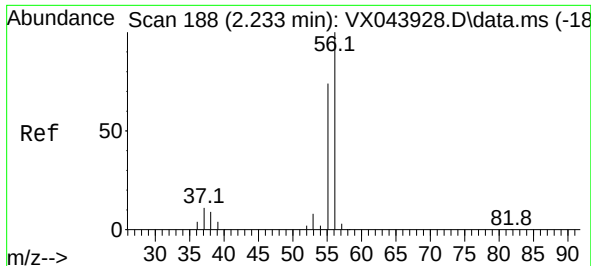
Tgt Ion: 59 Resp: 80418  
Ion Ratio Lower Upper  
59 100  
57 10.3 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 46.080 ug/l  
RT: 2.306 min Scan# 200  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 96 Resp: 70387  
Ion Ratio Lower Upper  
96 100  
61 173.6 135.5 203.3  
98 66.2 50.8 76.2

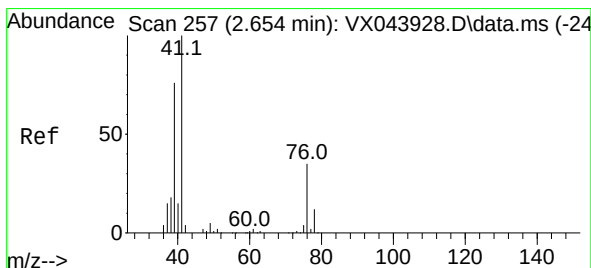
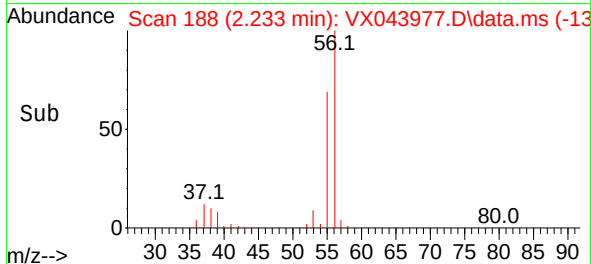
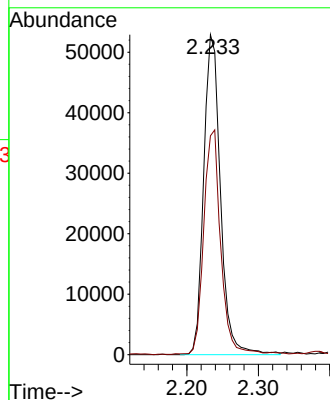
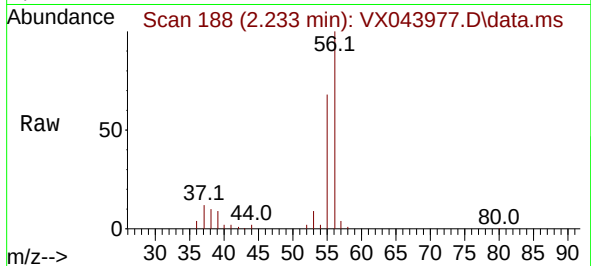




#13  
Acrolein  
Concen: 224.411 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

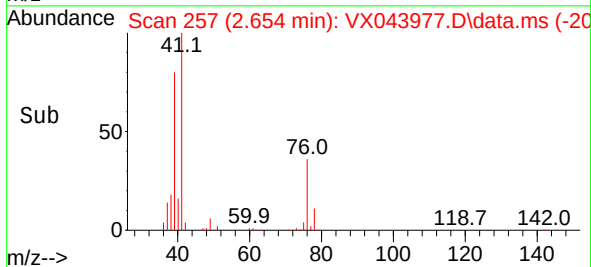
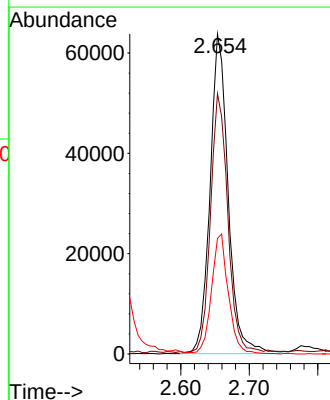
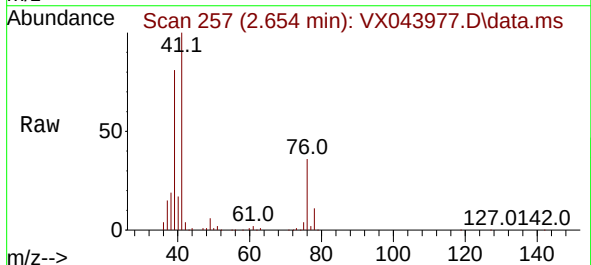
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

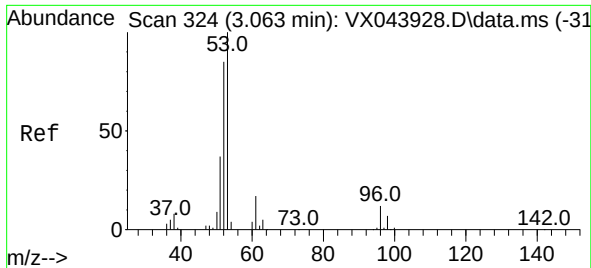
Tgt Ion: 56 Resp: 86322  
Ion Ratio Lower Upper  
56 100  
55 71.2 58.2 87.2



#14  
Allyl chloride  
Concen: 47.063 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 117463  
Ion Ratio Lower Upper  
41 100  
39 76.9 59.5 89.3  
76 34.8 27.4 41.2





#15

Acrylonitrile

Concen: 239.244 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

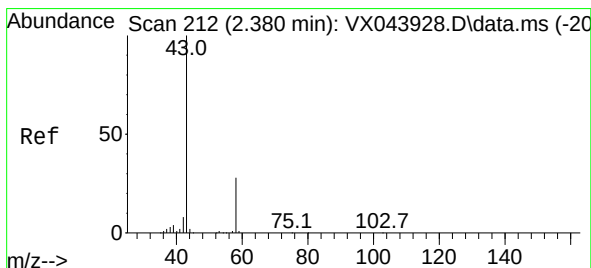
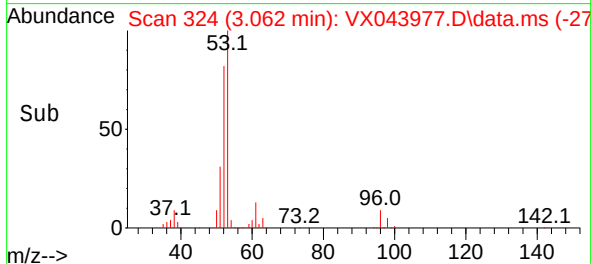
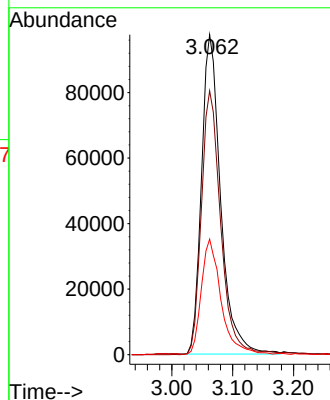
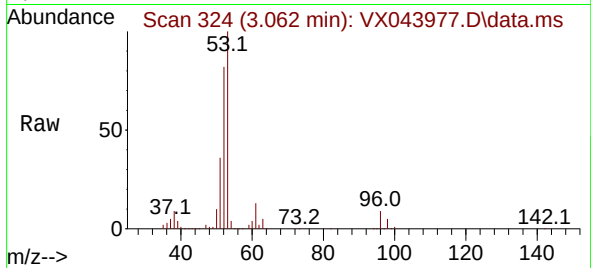
Tgt Ion: 53 Resp: 212767

Ion Ratio Lower Upper

53 100

52 84.6 66.5 99.7

51 36.8 30.2 45.4



#16

Acetone

Concen: 228.890 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043977.D

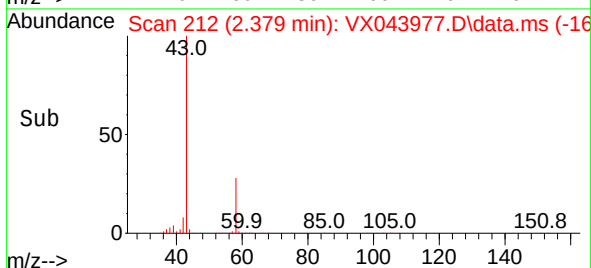
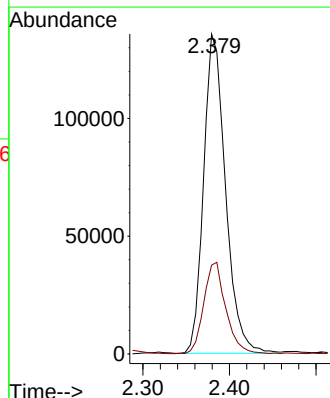
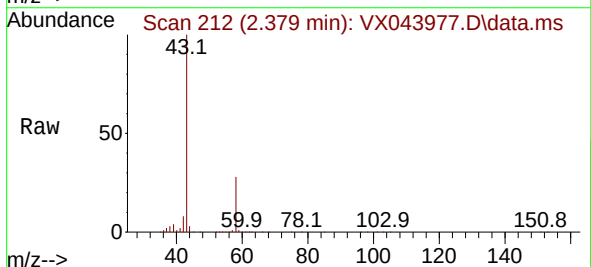
Acq: 25 Nov 2024 11:27

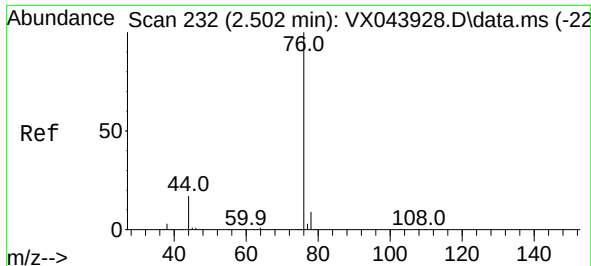
Tgt Ion: 43 Resp: 239021

Ion Ratio Lower Upper

43 100

58 27.7 22.7 34.1

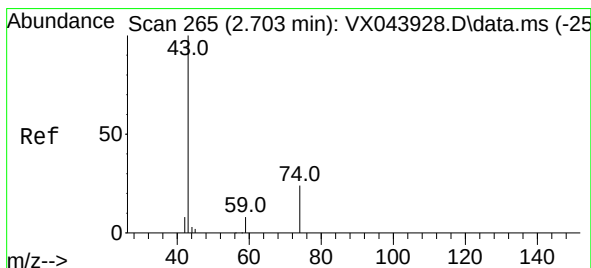
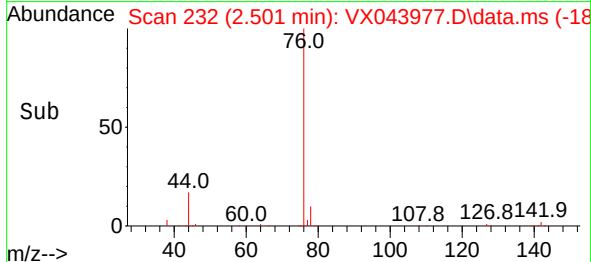
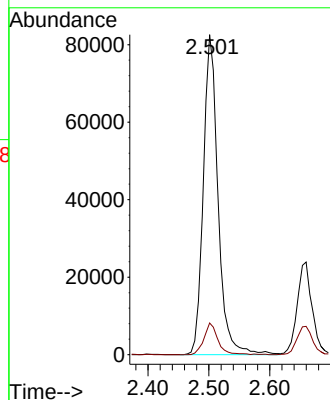
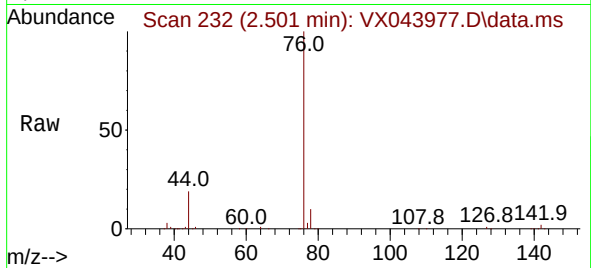




#17  
Carbon Disulfide  
Concen: 44.155 ug/l  
RT: 2.501 min Scan# 24  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

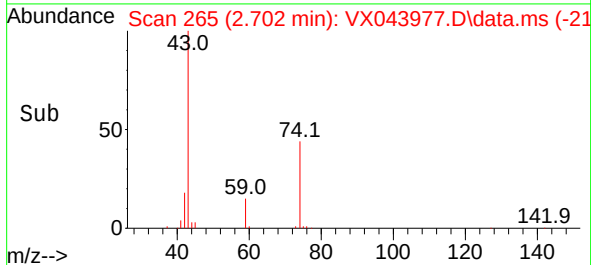
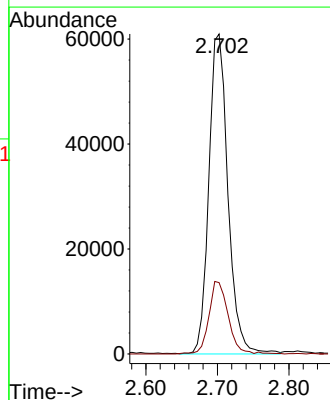
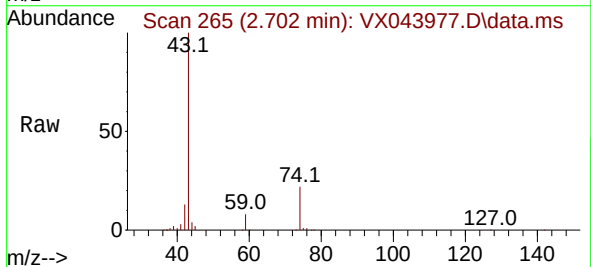
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

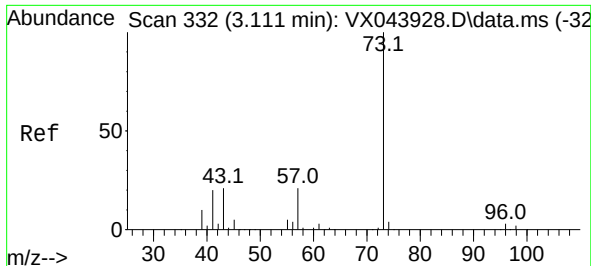
Tgt Ion: 76 Resp: 139122  
Ion Ratio Lower Upper  
76 100  
78 9.9 7.0 10.6



#18  
Methyl Acetate  
Concen: 46.531 ug/l  
RT: 2.702 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 113156  
Ion Ratio Lower Upper  
43 100  
74 22.9 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.373 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

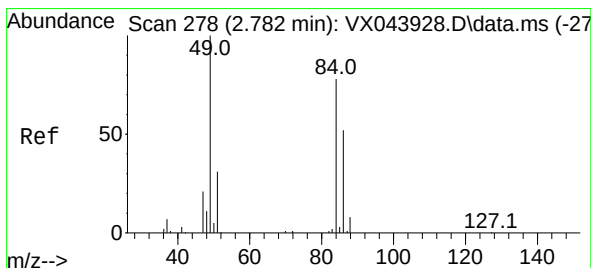
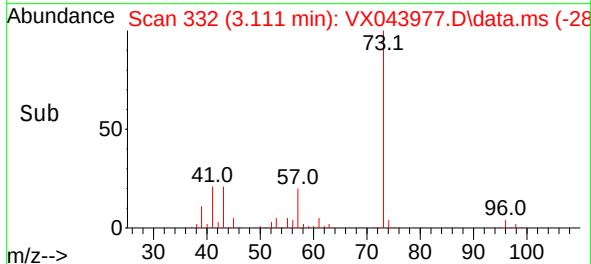
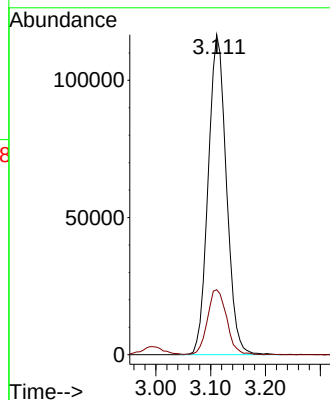
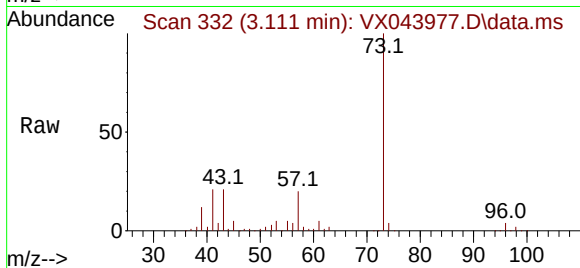
VSTDCCC050

Tgt Ion: 73 Resp: 268289

Ion Ratio Lower Upper

73 100

57 20.2 17.0 25.6



#20

Methylene Chloride

Concen: 46.719 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Tgt Ion: 84 Resp: 82791

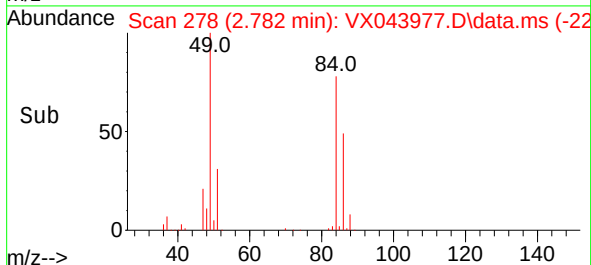
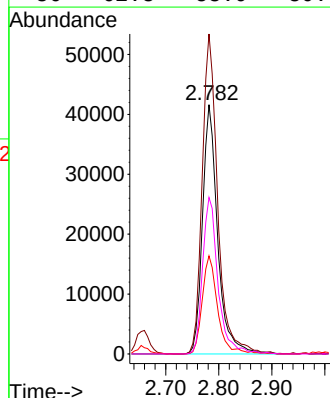
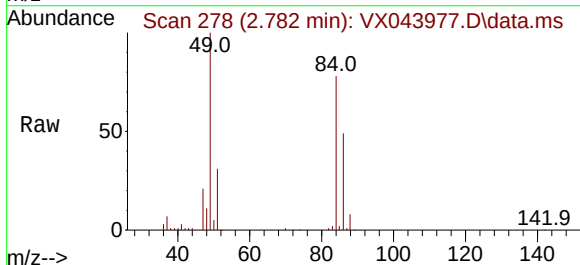
Ion Ratio Lower Upper

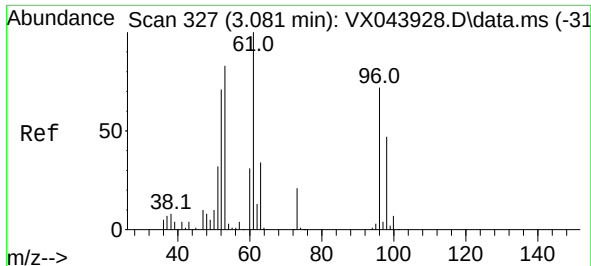
84 100

49 128.3 102.7 154.1

51 39.3 31.7 47.5

86 62.8 53.9 80.9

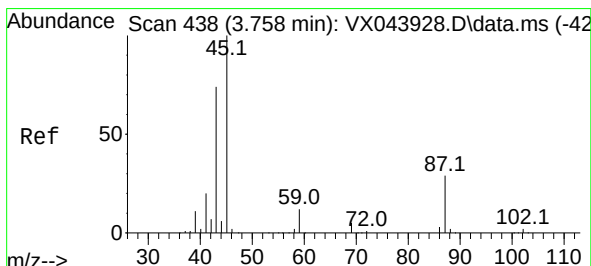
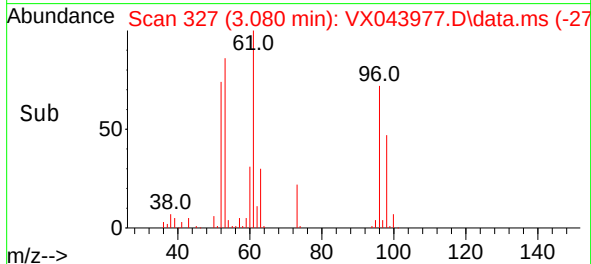
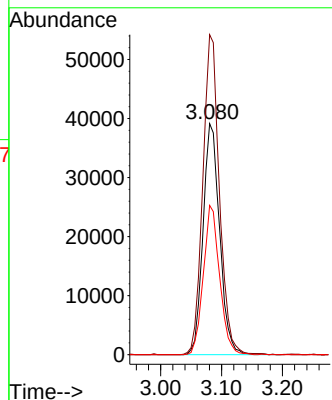
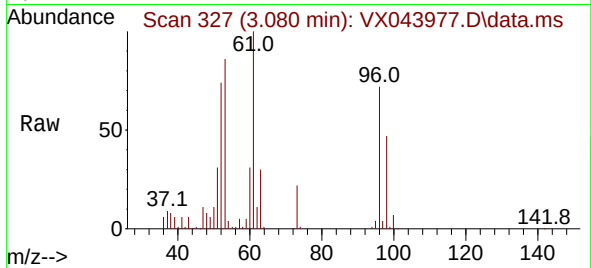




#21  
trans-1,2-Dichloroethene  
Concen: 47.034 ug/l  
RT: 3.080 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

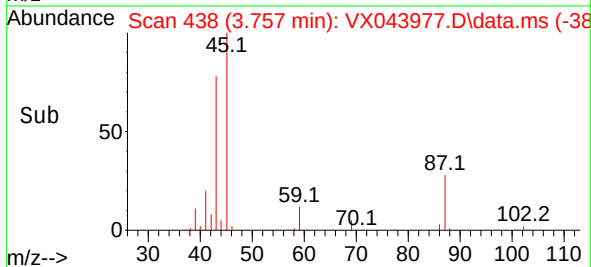
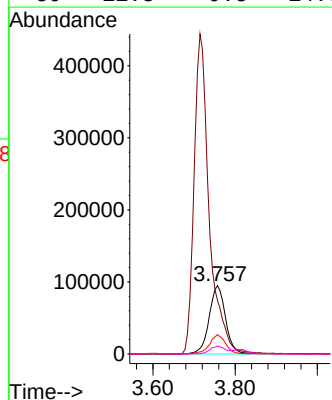
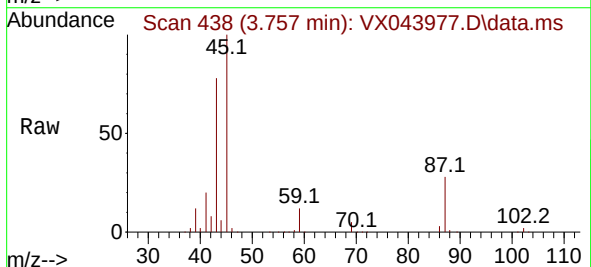
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

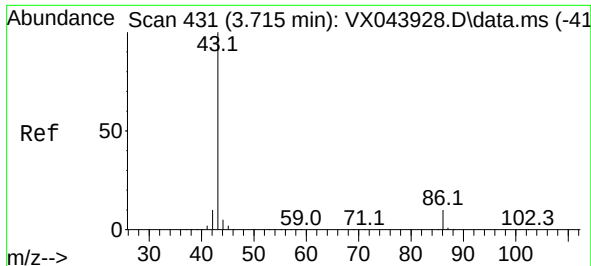
Tgt Ion: 96 Resp: 74174  
Ion Ratio Lower Upper  
96 100  
61 138.5 111.8 167.6  
98 64.6 52.7 79.1



#22  
Diisopropyl ether  
Concen: 49.207 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 45 Resp: 262616  
Ion Ratio Lower Upper  
45 100  
43 78.3 59.6 89.4  
87 28.3 22.9 34.3  
59 11.8 9.8 14.6





#23

Vinyl Acetate

Concen: 248.374 ug/l

RT: 3.714 min Scan# 41

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

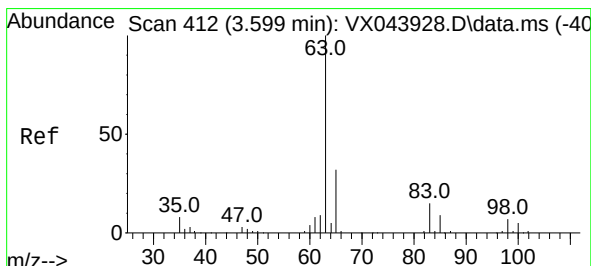
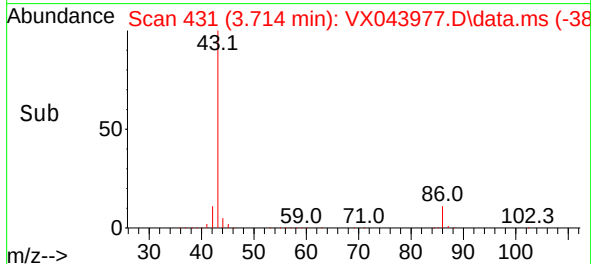
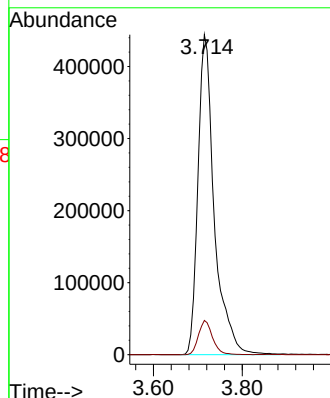
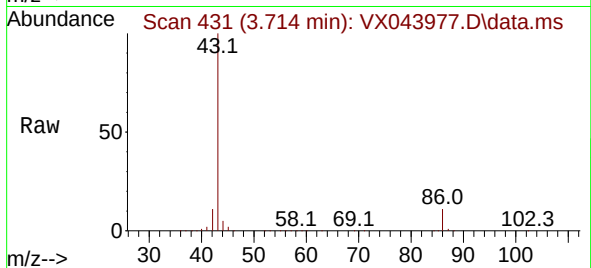
VSTDCCC050

Tgt Ion: 43 Resp: 1133947

Ion Ratio Lower Upper

43 100

86 10.7 8.3 12.5



#24

1,1-Dichloroethane

Concen: 48.697 ug/l

RT: 3.605 min Scan# 413

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

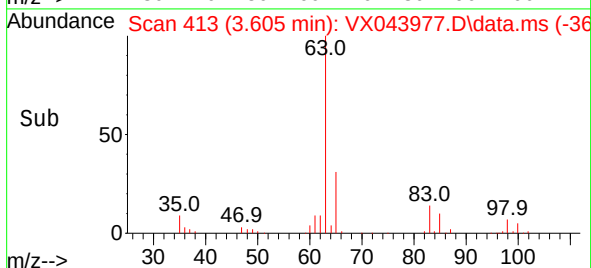
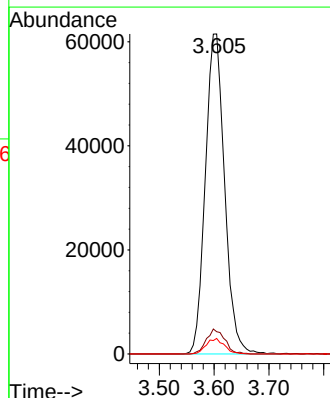
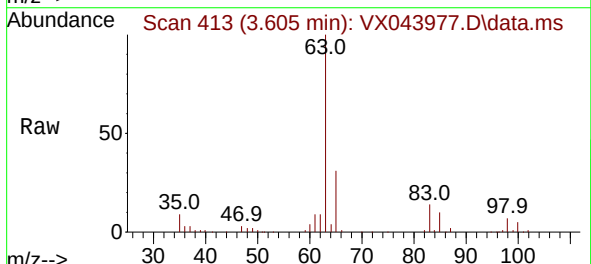
Tgt Ion: 63 Resp: 149933

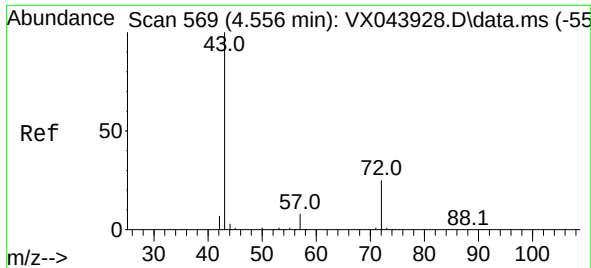
Ion Ratio Lower Upper

63 100

98 6.9 3.5 10.6

100 4.8 2.4 7.1





#25

2-Butanone

Concen: 236.327 ug/l

RT: 4.556 min Scan# 5

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

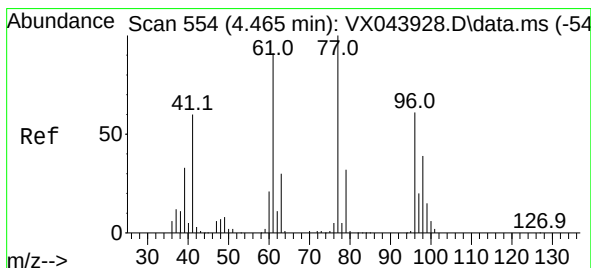
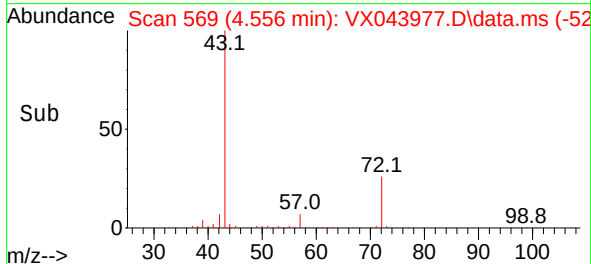
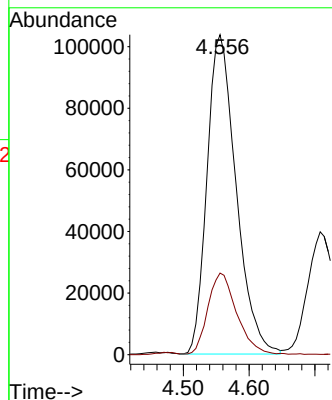
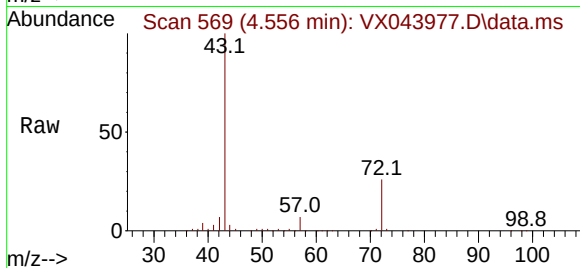
VSTDCCC050

Tgt Ion: 43 Resp: 318432

Ion Ratio Lower Upper

43 100

72 25.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 47.384 ug/l

RT: 4.464 min Scan# 554

Delta R.T. -0.000 min

Lab File: VX043977.D

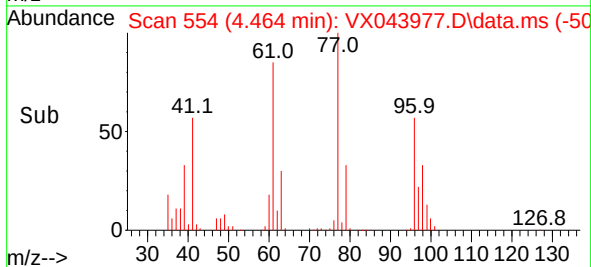
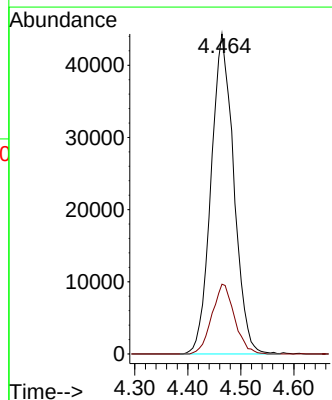
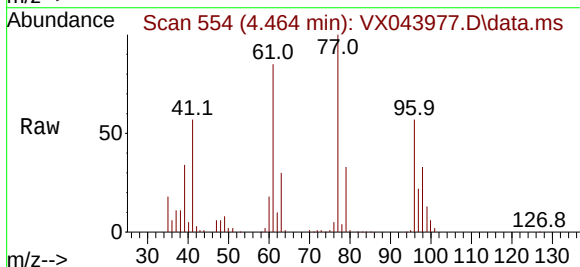
Acq: 25 Nov 2024 11:27

Tgt Ion: 77 Resp: 131754

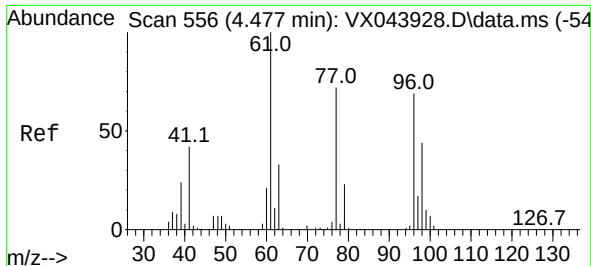
Ion Ratio Lower Upper

77 100

97 21.7 10.8 32.3



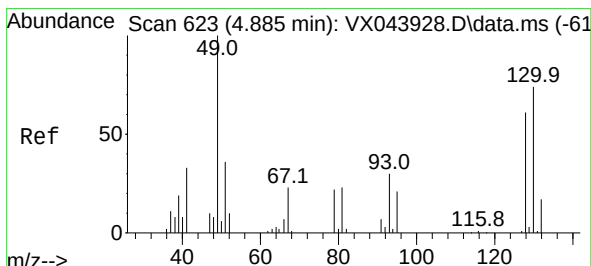
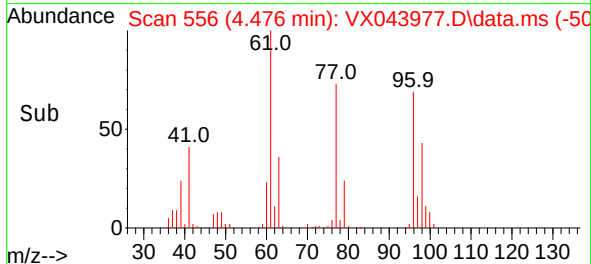
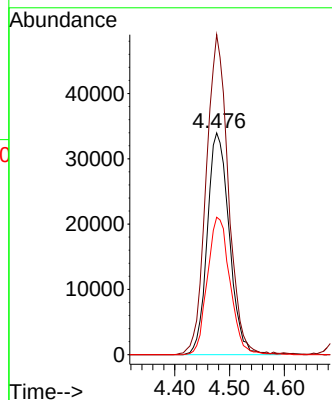
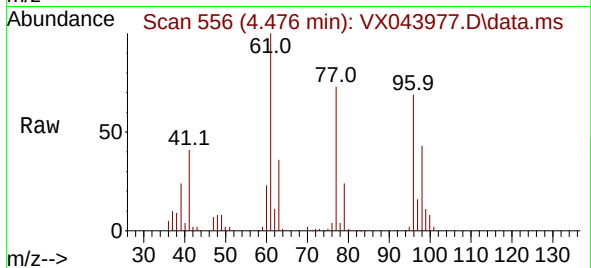




#27  
 cis-1,2-Dichloroethene  
 Concen: 48.444 ug/l  
 RT: 4.476 min Scan# 51  
 Delta R.T. -0.000 min  
 Lab File: VX043977.D  
 Acq: 25 Nov 2024 11:27

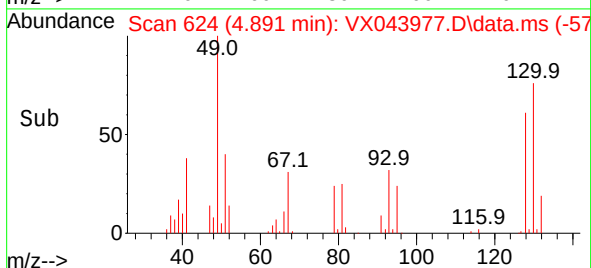
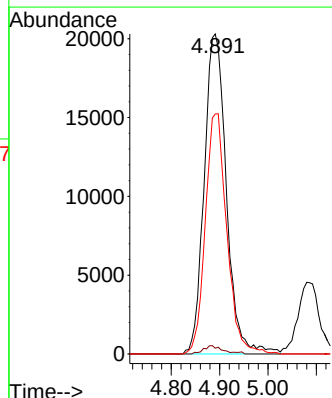
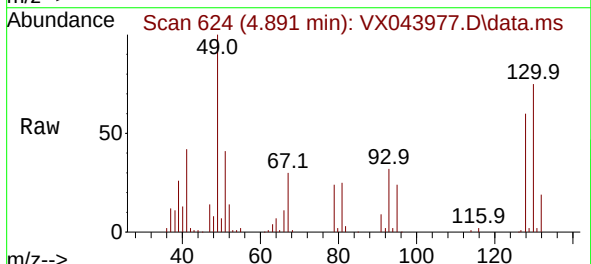
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

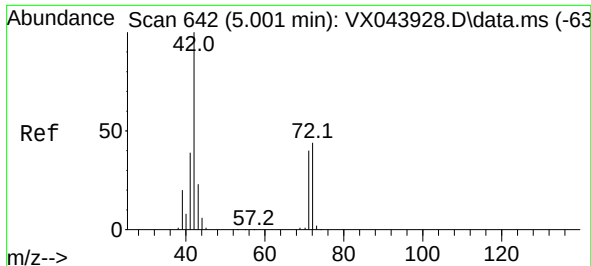
Tgt Ion: 96 Resp: 94434  
 Ion Ratio Lower Upper  
 96 100  
 61 145.0 0.0 297.4  
 98 63.8 0.0 127.8



#28  
 Bromochloromethane  
 Concen: 47.856 ug/l  
 RT: 4.891 min Scan# 624  
 Delta R.T. 0.006 min  
 Lab File: VX043977.D  
 Acq: 25 Nov 2024 11:27

Tgt Ion: 49 Resp: 64856  
 Ion Ratio Lower Upper  
 49 100  
 129 2.1 0.0 4.0  
 130 72.8 59.0 88.6





#29

Tetrahydrofuran

Concen: 232.975 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

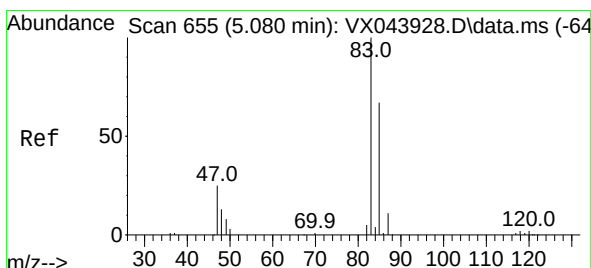
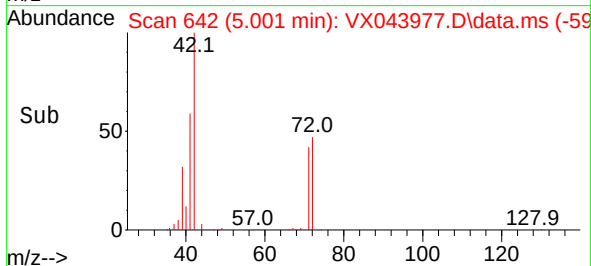
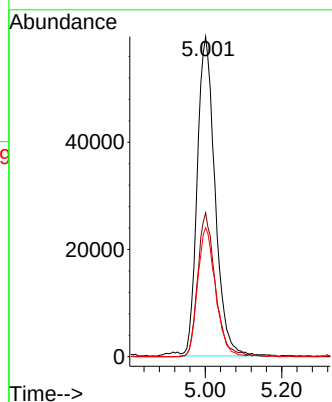
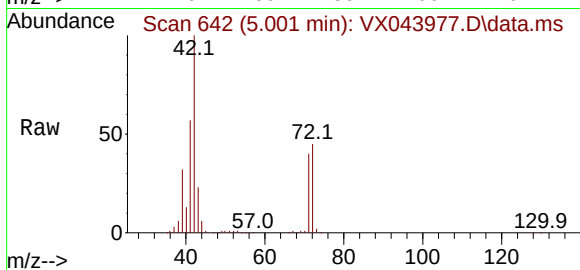
Tgt Ion: 42 Resp: 192450

Ion Ratio Lower Upper

42 100

72 44.6 36.4 54.6

71 40.5 33.4 50.0



#30

Chloroform

Concen: 49.337 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043977.D

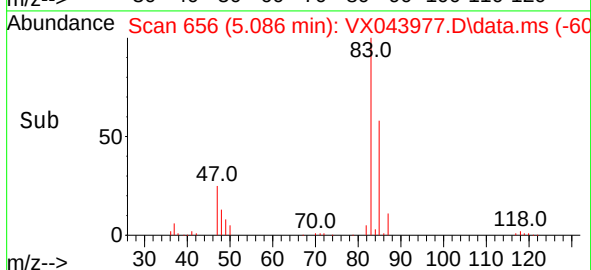
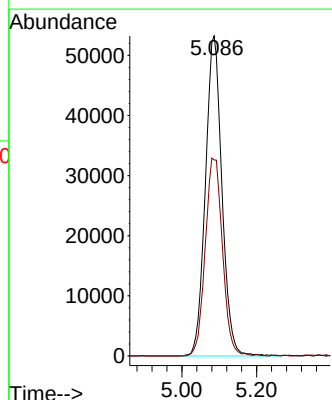
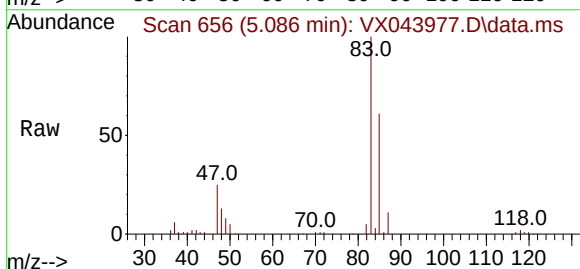
Acq: 25 Nov 2024 11:27

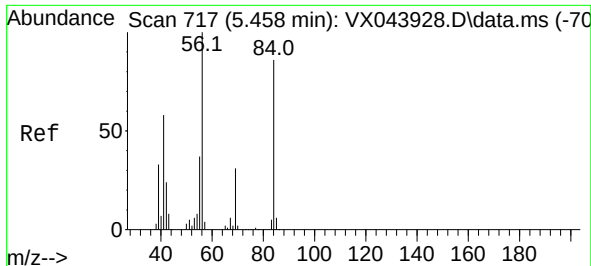
Tgt Ion: 83 Resp: 163376

Ion Ratio Lower Upper

83 100

85 61.2 53.5 80.3

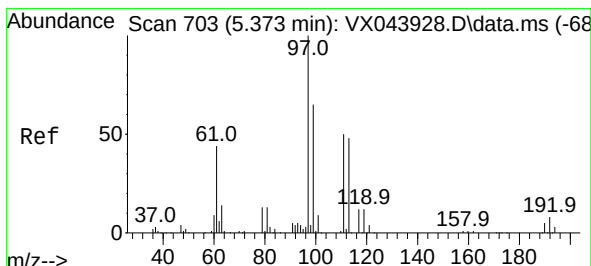
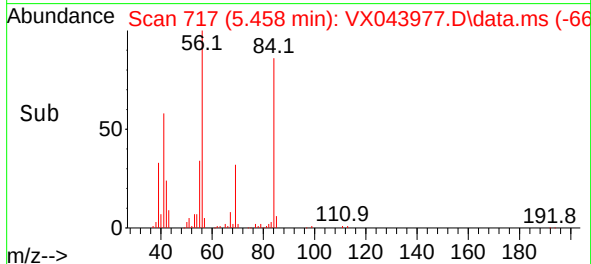
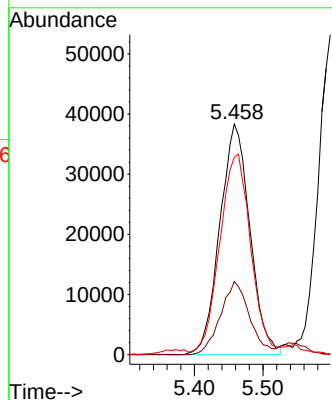
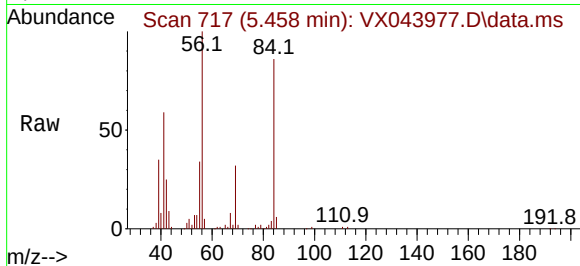




#31  
Cyclohexane  
Concen: 46.218 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

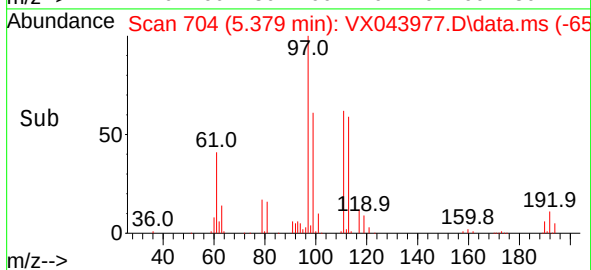
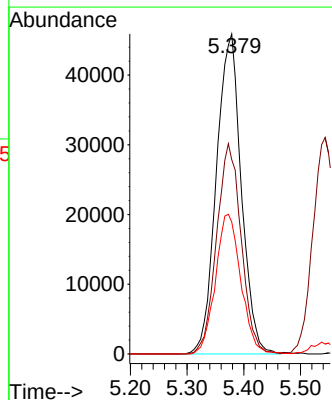
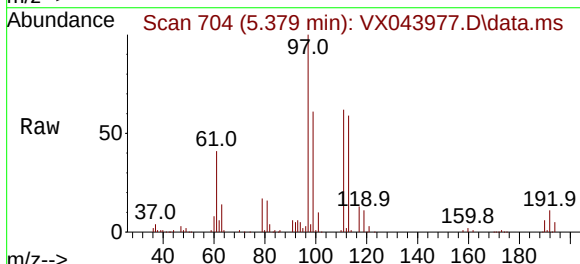
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

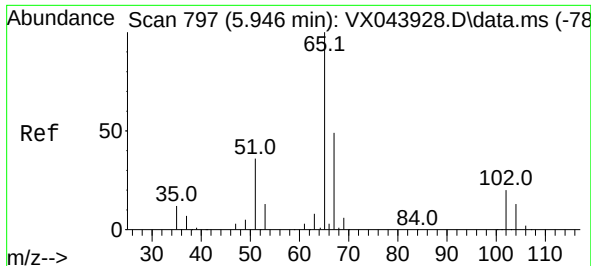
Tgt Ion: 56 Resp: 117118  
Ion Ratio Lower Upper  
56 100  
69 31.7 24.7 37.1  
84 83.9 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 49.023 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 97 Resp: 139993  
Ion Ratio Lower Upper  
97 100  
99 64.9 50.8 76.2  
61 44.6 35.4 53.2

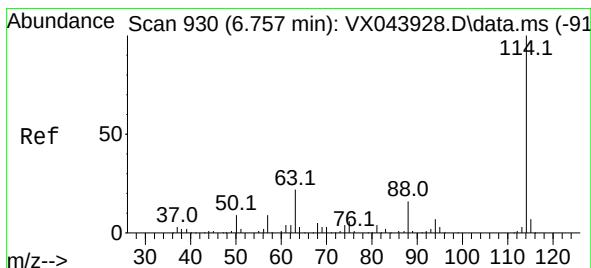
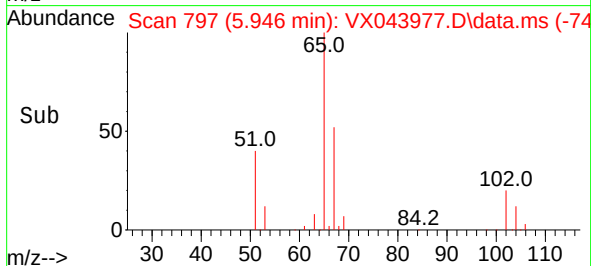
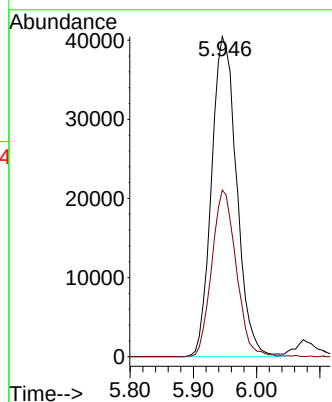
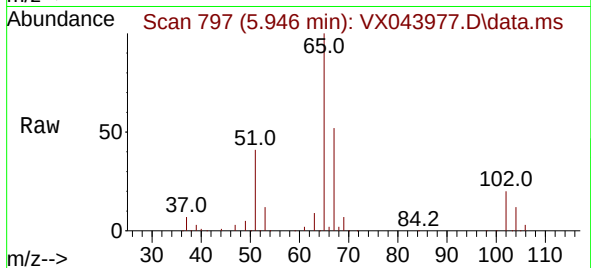




#33  
1,2-Dichloroethane-d4  
Concen: 49.000 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

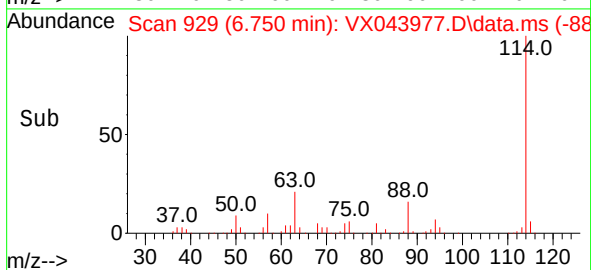
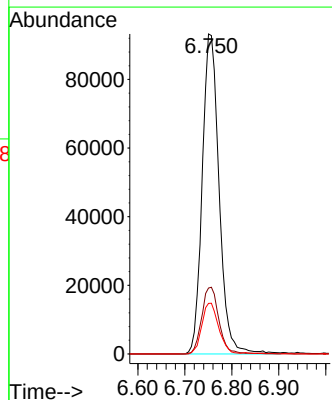
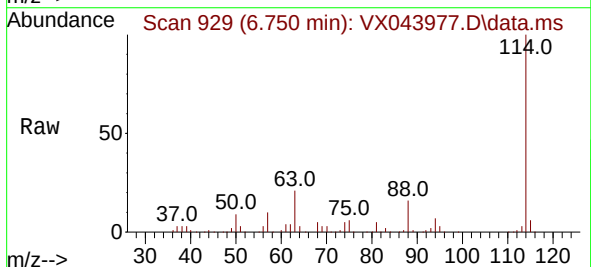
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

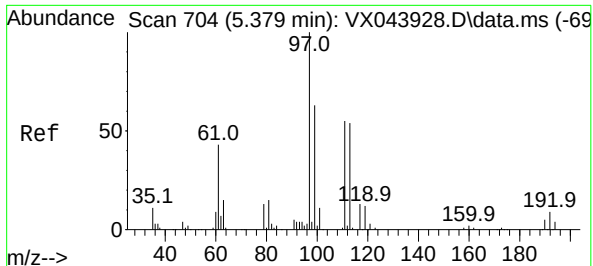
Tgt Ion: 65 Resp: 111407  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 100.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.750 min Scan# 929  
Delta R.T. -0.007 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 114 Resp: 232543  
Ion Ratio Lower Upper  
114 100  
63 20.6 0.0 44.0  
88 15.8 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.333 ug/l

RT: 5.373 min Scan# 704

Delta R.T. -0.007 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

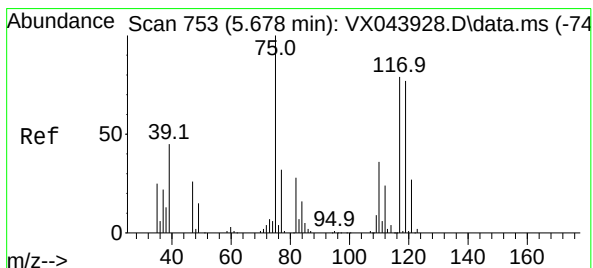
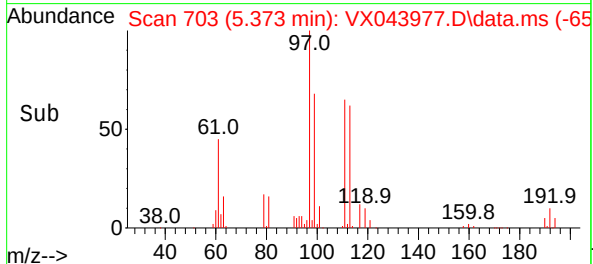
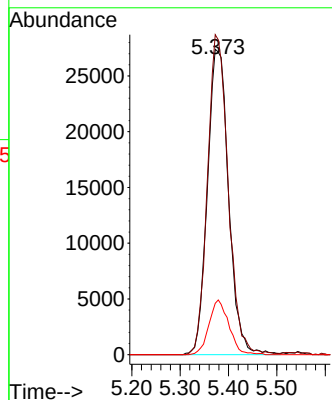
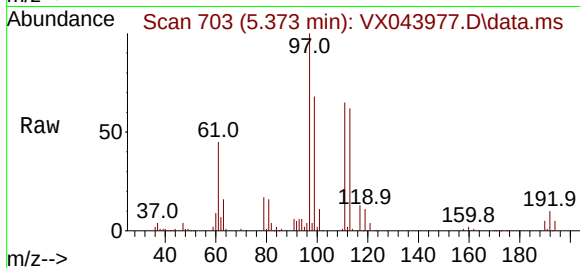
Tgt Ion:113 Resp: 83636

Ion Ratio Lower Upper

113 100

111 102.4 81.0 121.4

192 16.9 13.0 19.6



#36

1,1-Dichloropropene

Concen: 49.026 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

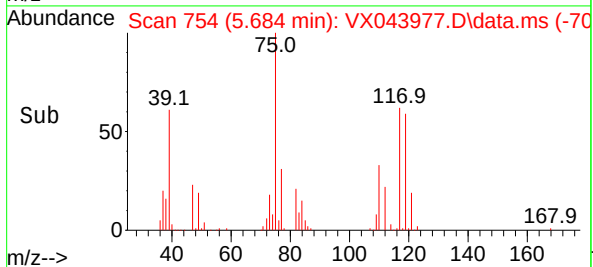
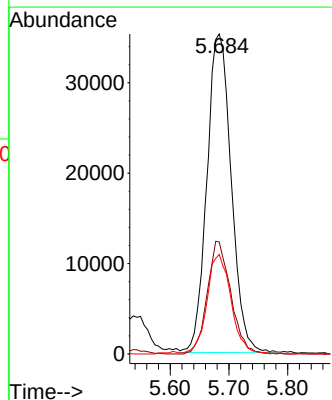
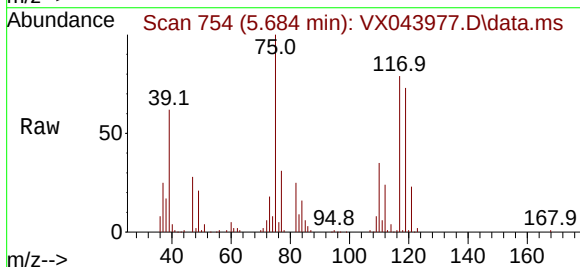
Tgt Ion: 75 Resp: 101514

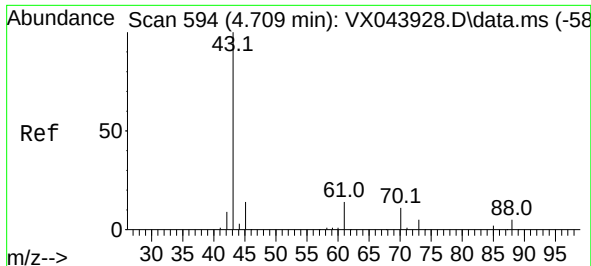
Ion Ratio Lower Upper

75 100

110 34.1 17.4 52.2

77 30.9 25.8 38.8





#37

Ethyl Acetate

Concen: 46.278 ug/l

RT: 4.708 min Scan# 594

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

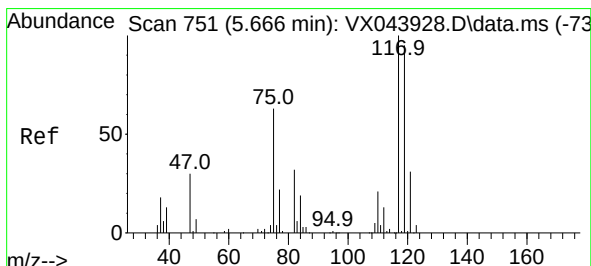
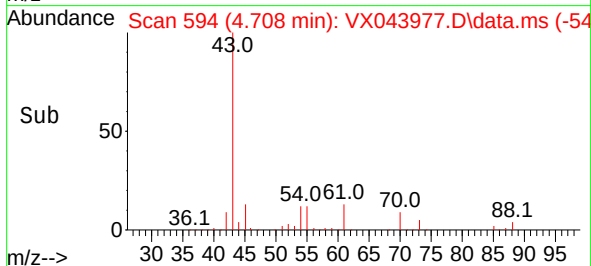
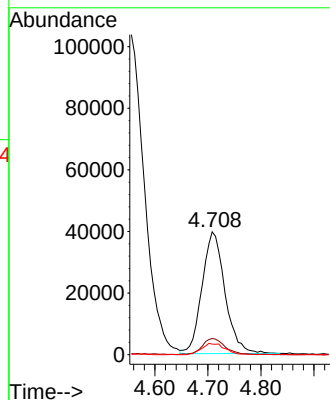
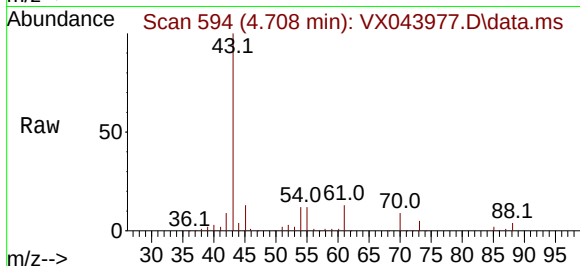
Tgt Ion: 43 Resp: 118947

Ion Ratio Lower Upper

43 100

61 12.7 10.7 16.1

70 9.4 8.0 12.0



#38

Carbon Tetrachloride

Concen: 50.716 ug/l

RT: 5.671 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

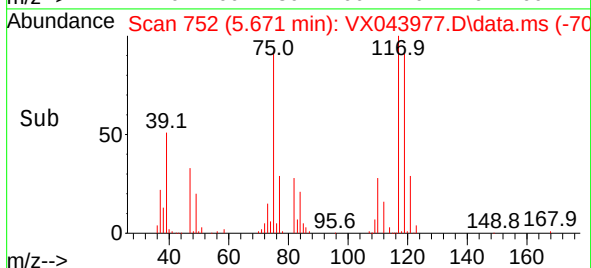
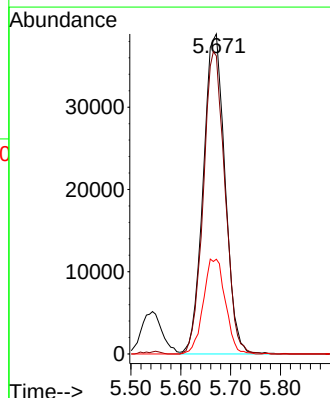
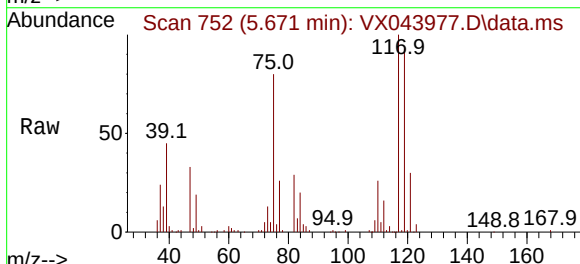
Tgt Ion: 117 Resp: 117996

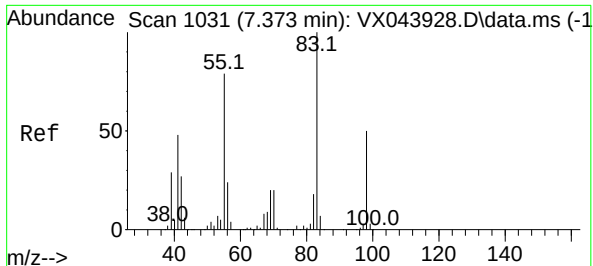
Ion Ratio Lower Upper

117 100

119 93.2 75.2 112.8

121 29.6 24.5 36.7





#39

Methylcyclohexane

Concen: 47.843 ug/l

RT: 7.372 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

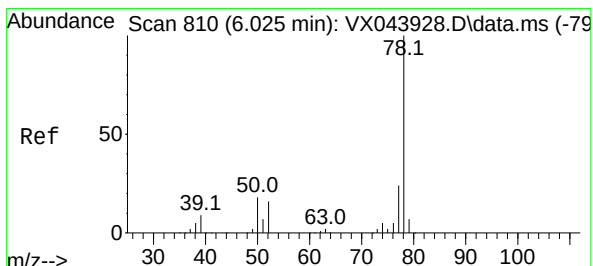
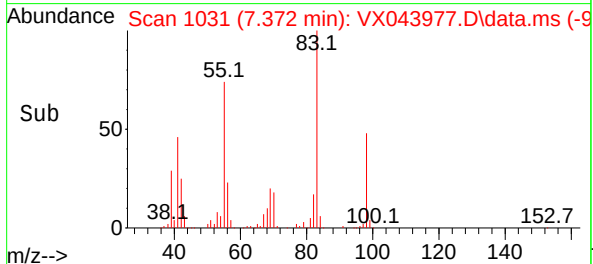
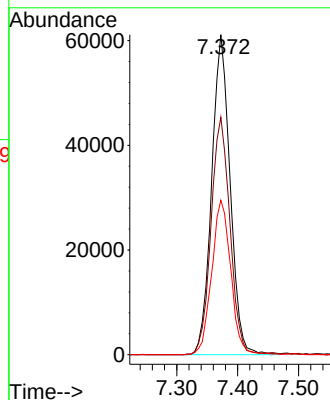
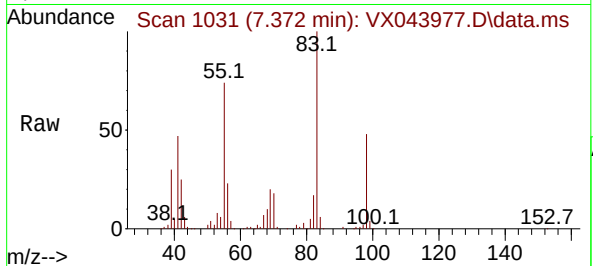
Tgt Ion: 83 Resp: 128697

Ion Ratio Lower Upper

83 100

55 74.2 63.1 94.7

98 48.3 40.0 60.0



#40

Benzene

Concen: 48.936 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043977.D

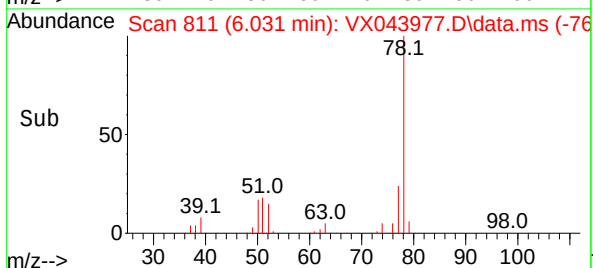
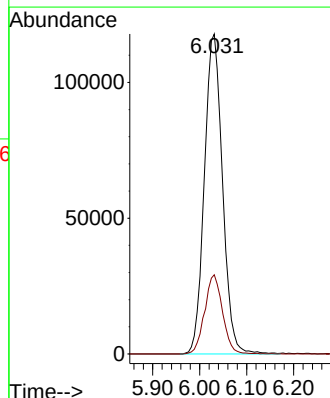
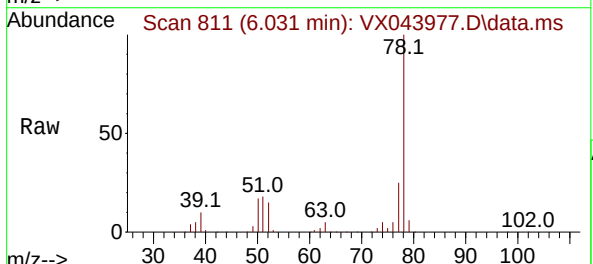
Acq: 25 Nov 2024 11:27

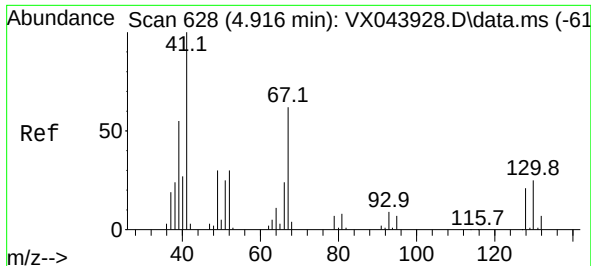
Tgt Ion: 78 Resp: 315624

Ion Ratio Lower Upper

78 100

77 24.8 19.2 28.8

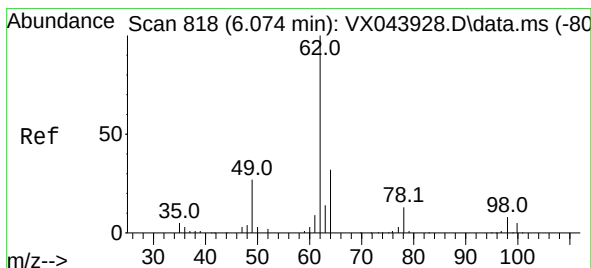
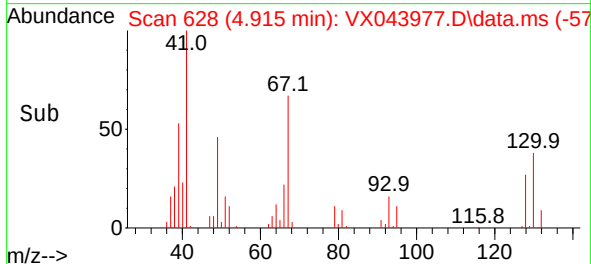
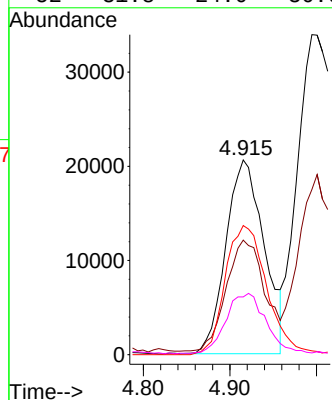
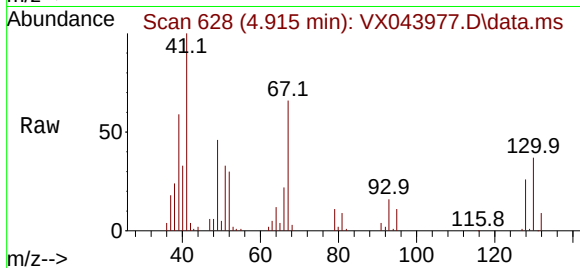




#41  
Methacrylonitrile  
Concen: 48.098 ug/l  
RT: 4.915 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

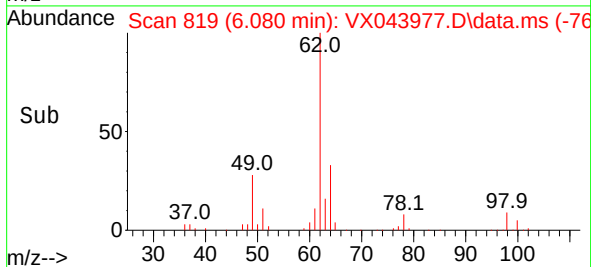
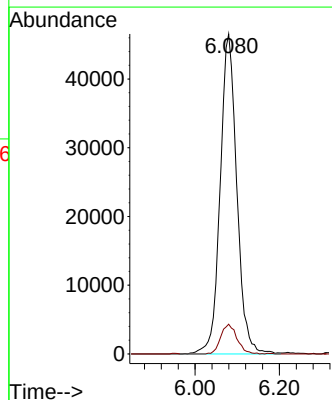
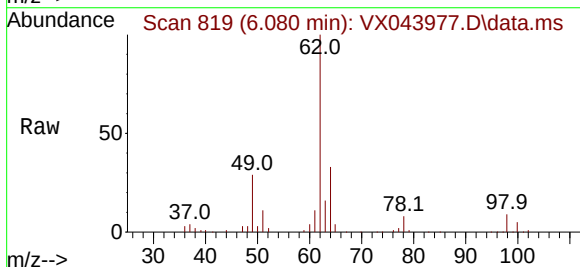
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 63274 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.8  | 41.7  | 62.5  |
| 67       | 72.6  | 55.8  | 83.8  |
| 52       | 31.8  | 24.0  | 36.0  |

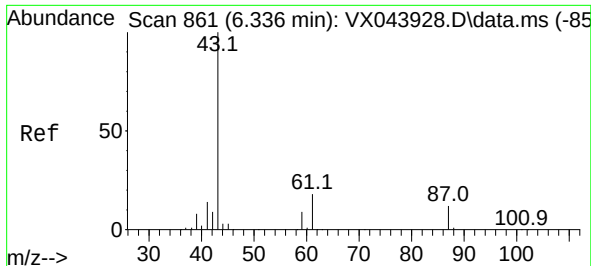


#42  
1,2-Dichloroethane  
Concen: 49.018 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 126975 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 9.1   | 0.0   | 16.4   |







#43

Isopropyl Acetate

Concen: 48.245 ug/l

RT: 6.336 min Scan# 861

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

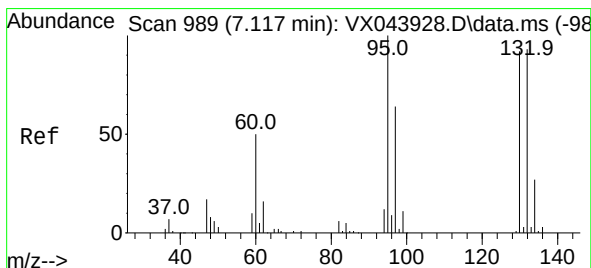
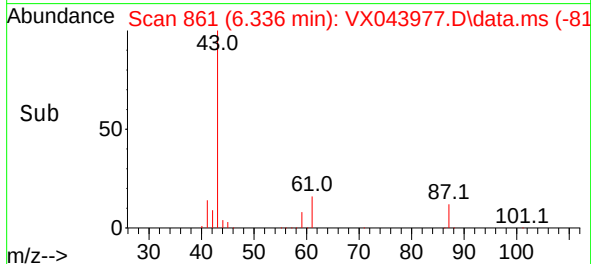
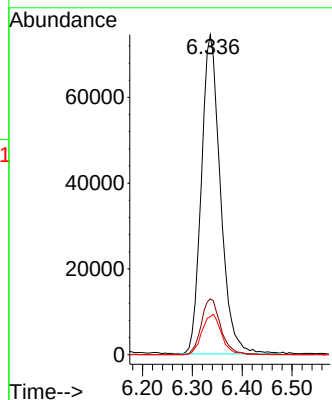
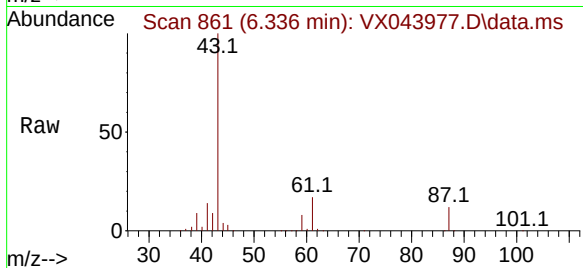
Tgt Ion: 43 Resp: 197344

Ion Ratio Lower Upper

43 100

61 17.9 14.5 21.7

87 12.9 10.2 15.2



#44

Trichloroethene

Concen: 42.546 ug/l

RT: 7.116 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX043977.D

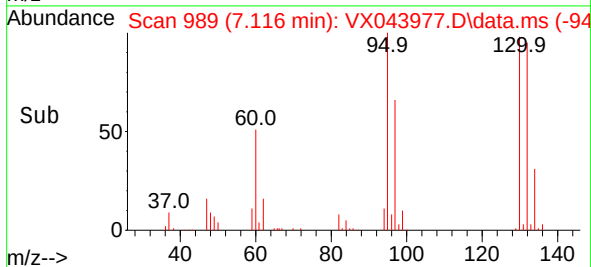
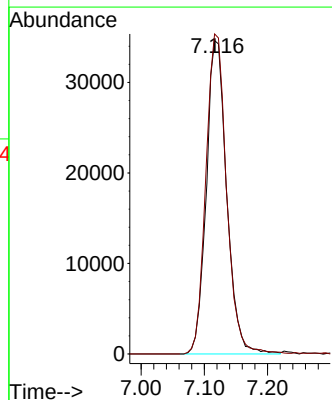
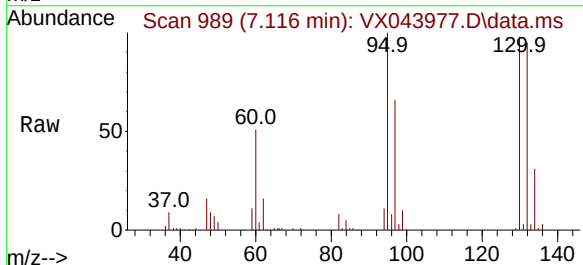
Acq: 25 Nov 2024 11:27

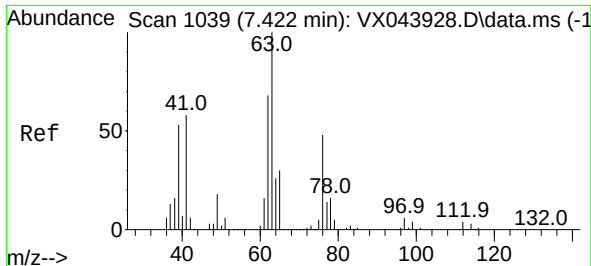
Tgt Ion:130 Resp: 77683

Ion Ratio Lower Upper

130 100

95 102.1 0.0 217.8





#45

1,2-Dichloropropane

Concen: 49.890 ug/l

RT: 7.427 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

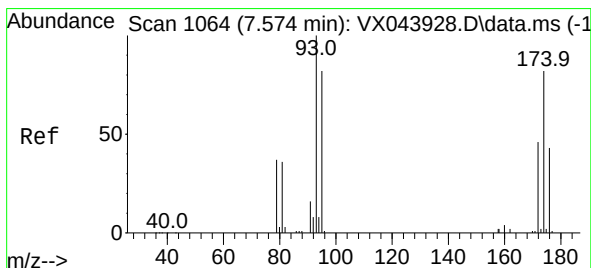
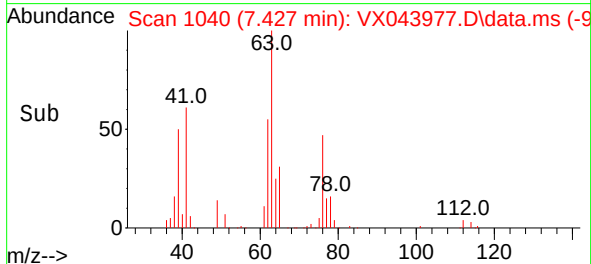
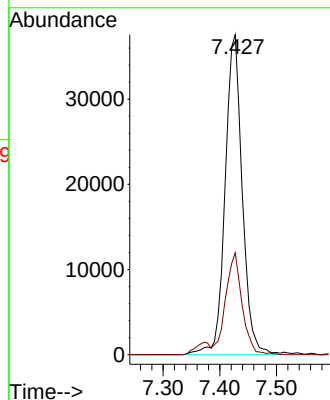
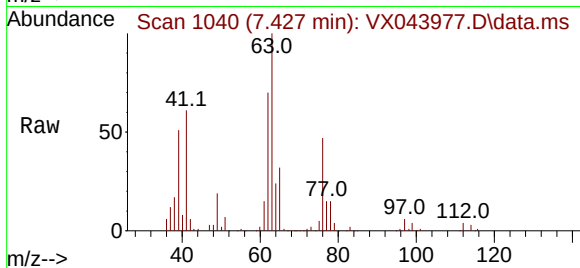
VSTDCCC050

Tgt Ion: 63 Resp: 78811

Ion Ratio Lower Upper

63 100

65 31.8 23.8 35.6



#46

Dibromomethane

Concen: 50.387 ug/l

RT: 7.573 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

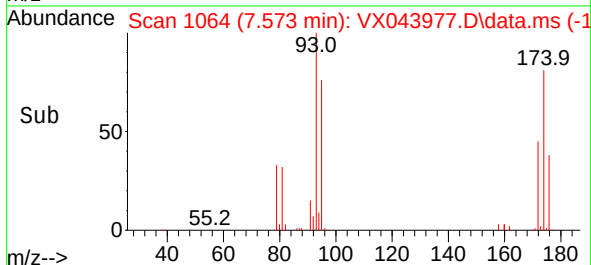
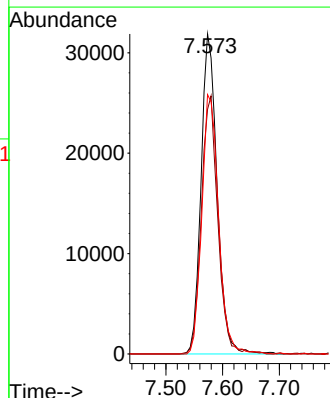
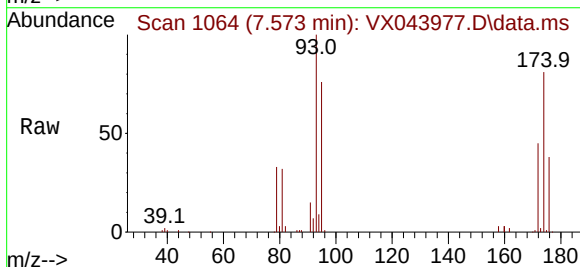
Tgt Ion: 93 Resp: 62964

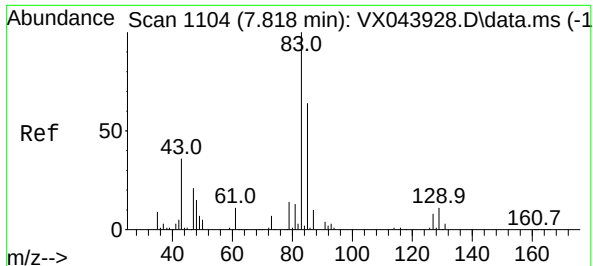
Ion Ratio Lower Upper

93 100

95 82.3 66.2 99.4

174 84.6 69.6 104.4

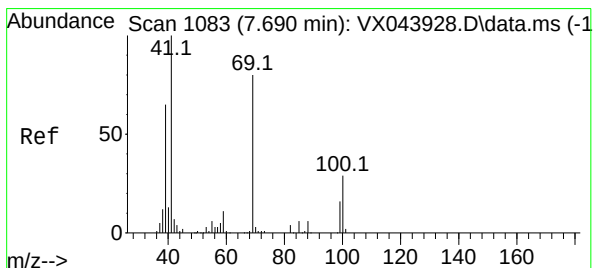
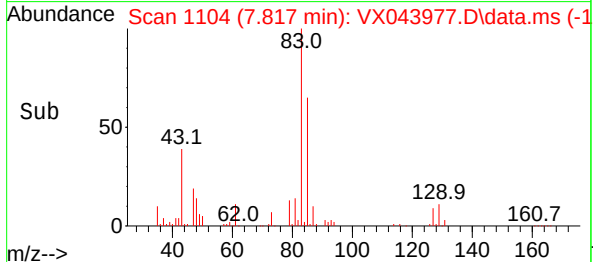
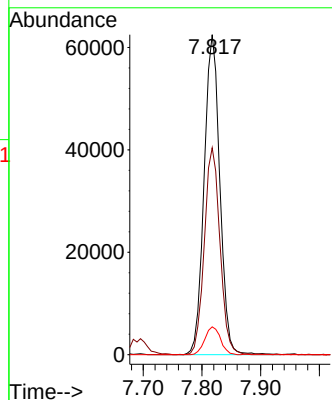
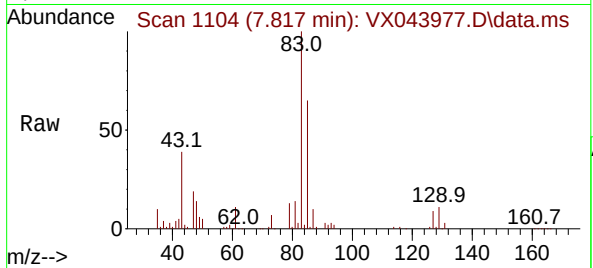




#47  
Bromodichloromethane  
Concen: 51.893 ug/l  
RT: 7.817 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

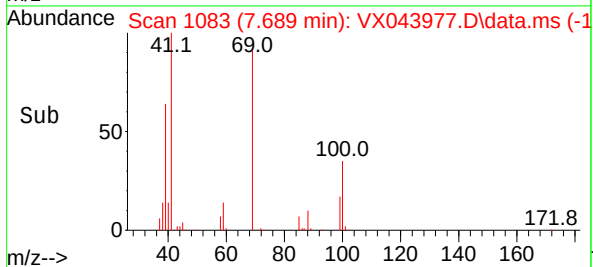
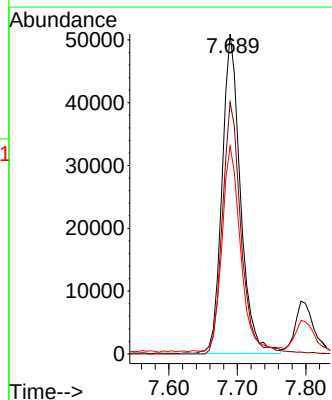
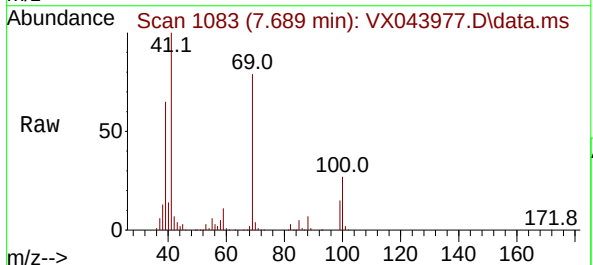
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

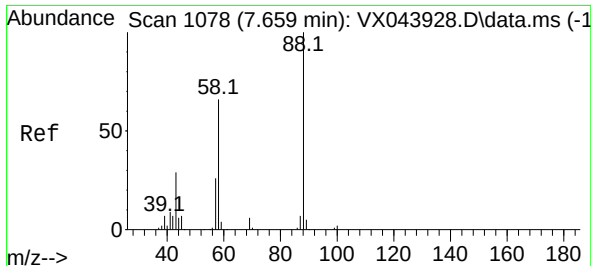
Tgt Ion: 83 Resp: 116299  
Ion Ratio Lower Upper  
83 100  
85 64.5 51.4 77.0  
127 8.7 6.6 10.0



#48  
Methyl methacrylate  
Concen: 48.244 ug/l  
RT: 7.689 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 41 Resp: 94692  
Ion Ratio Lower Upper  
41 100  
69 80.0 64.6 97.0  
39 63.9 53.3 79.9





#49

1,4-Dioxane

Concen: 869.321 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

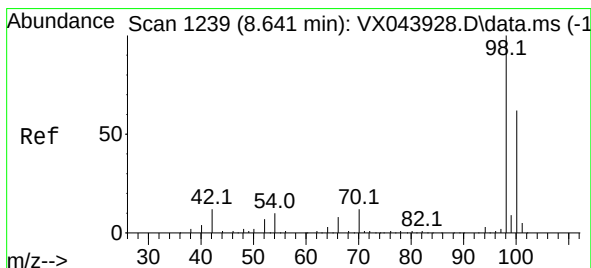
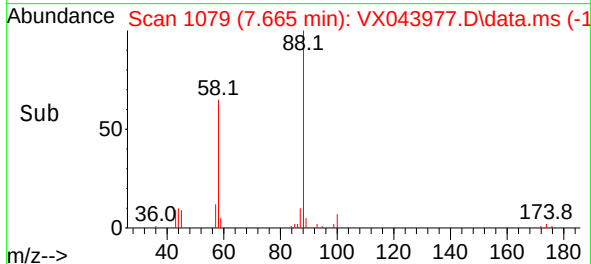
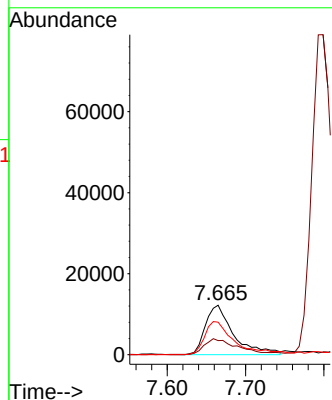
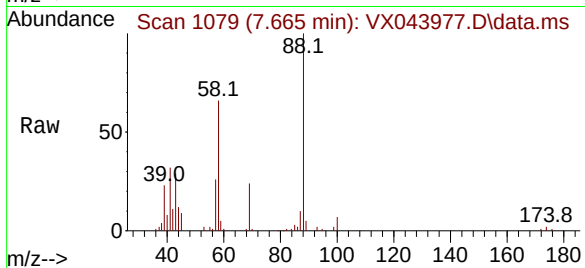
Tgt Ion: 88 Resp: 30394

Ion Ratio Lower Upper

88 100

43 40.1 26.8 40.2

58 71.7 45.4 68.2#



#50

Toluene-d8

Concen: 49.805 ug/l

RT: 8.646 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX043977.D

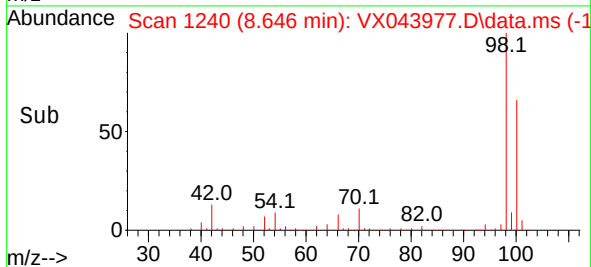
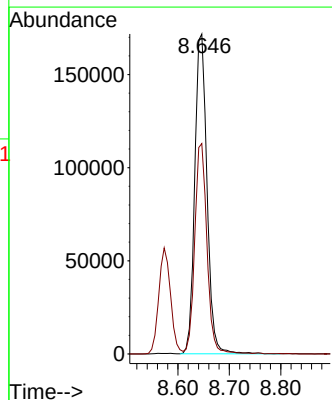
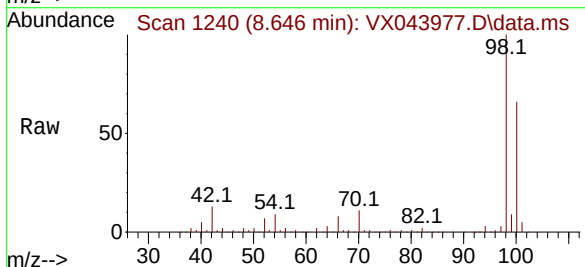
Acq: 25 Nov 2024 11:27

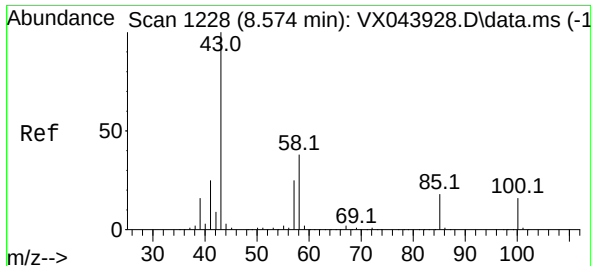
Tgt Ion: 98 Resp: 285275

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0

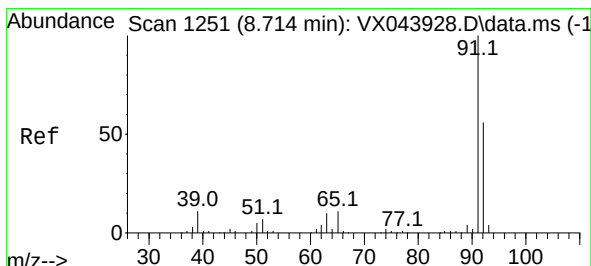
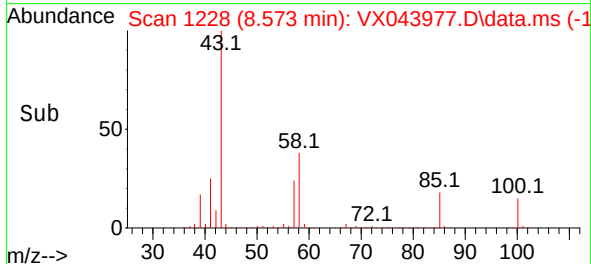
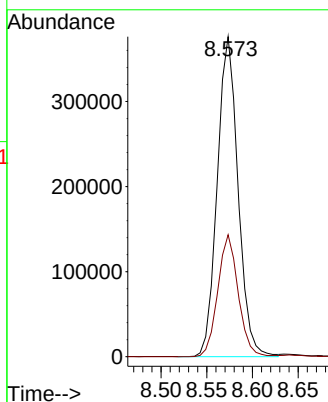
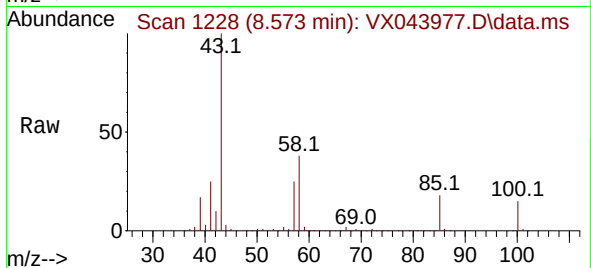




#51  
4-Methyl-2-Pentanone  
Concen: 238.823 ug/l  
RT: 8.573 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

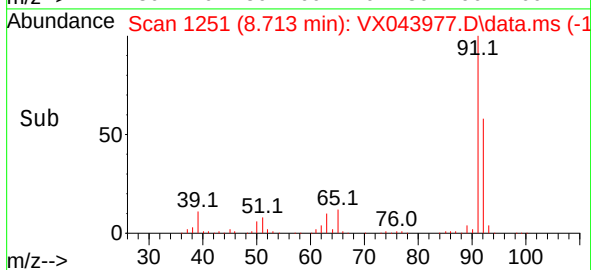
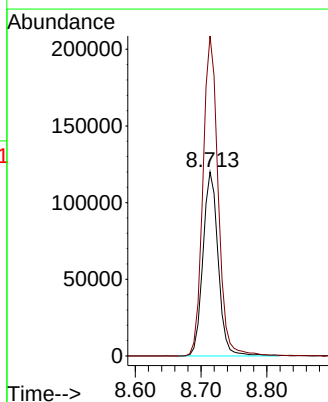
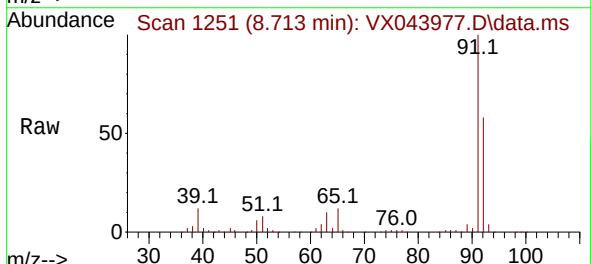
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

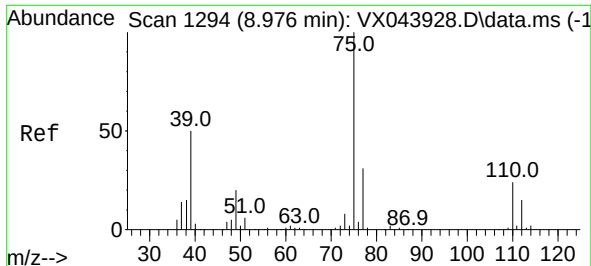
Tgt Ion: 43 Resp: 596153  
Ion Ratio Lower Upper  
43 100  
58 37.5 30.0 45.0



#52  
Toluene  
Concen: 50.022 ug/l  
RT: 8.713 min Scan# 1251  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 92 Resp: 193103  
Ion Ratio Lower Upper  
92 100  
91 174.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 51.600 ug/l

RT: 8.976 min Scan# 11

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

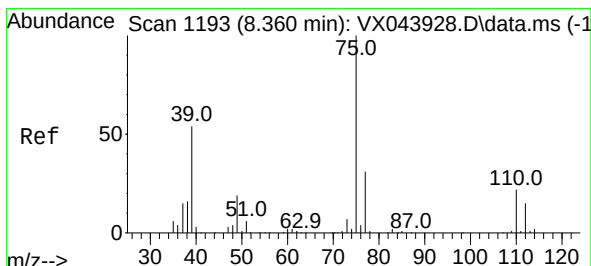
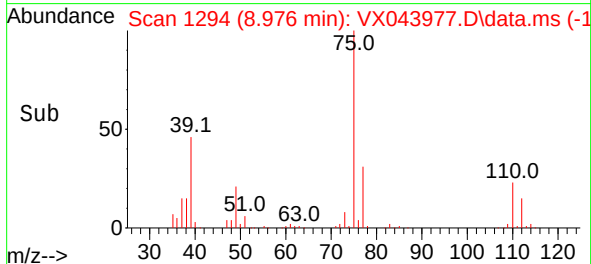
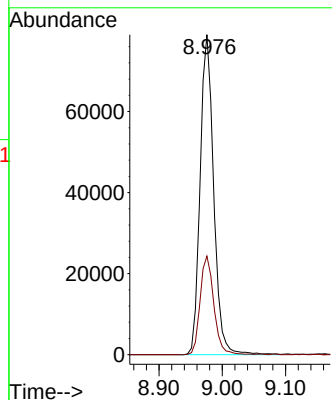
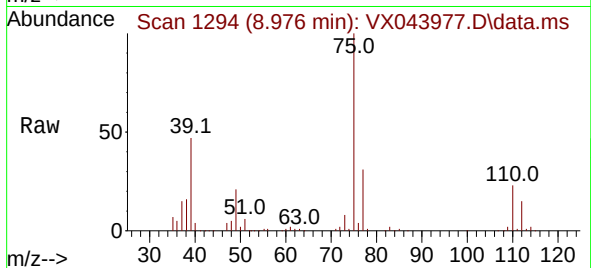
VSTDCCC050

Tgt Ion: 75 Resp: 117928

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 50.373 ug/l

RT: 8.360 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

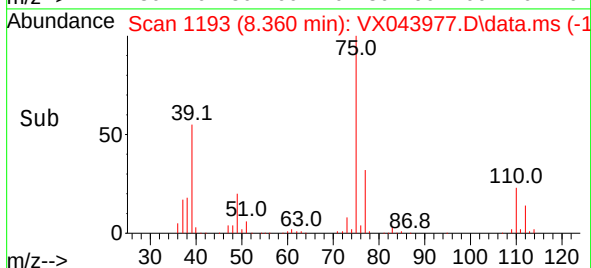
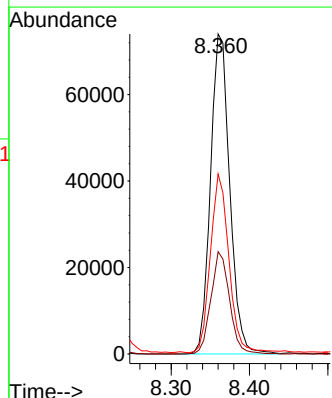
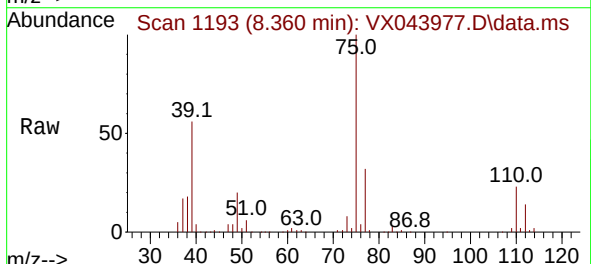
Tgt Ion: 75 Resp: 126204

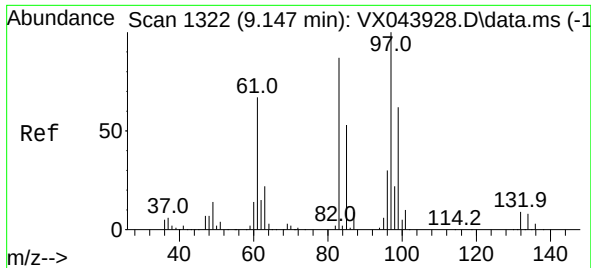
Ion Ratio Lower Upper

75 100

77 31.9 25.2 37.8

39 55.6 43.1 64.7

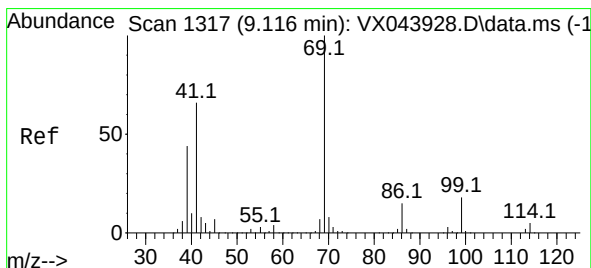
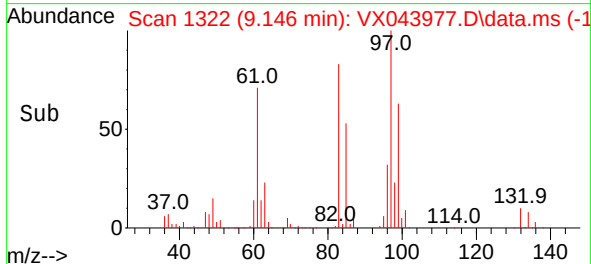
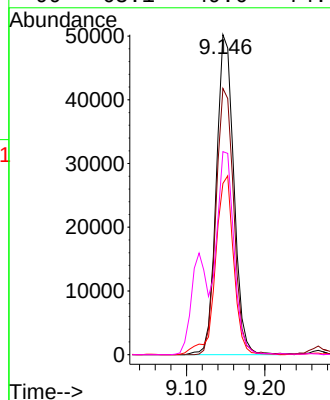
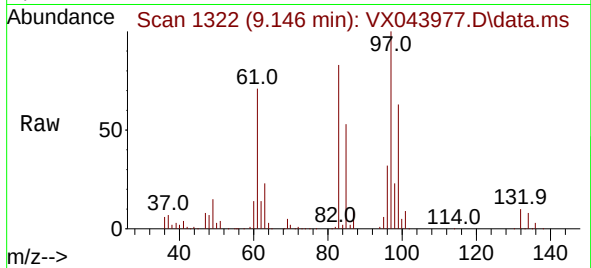




#55  
1,1,2-Trichloroethane  
Concen: 49.075 ug/l  
RT: 9.146 min Scan# 1322  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

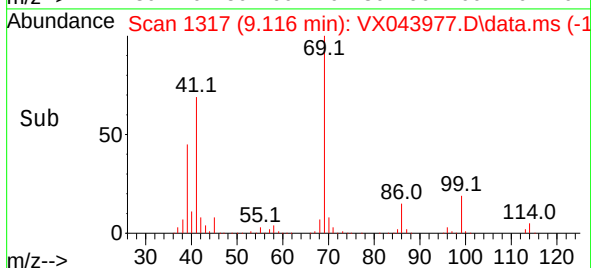
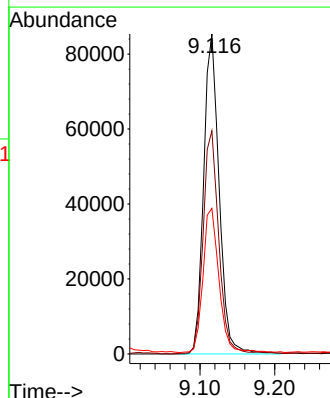
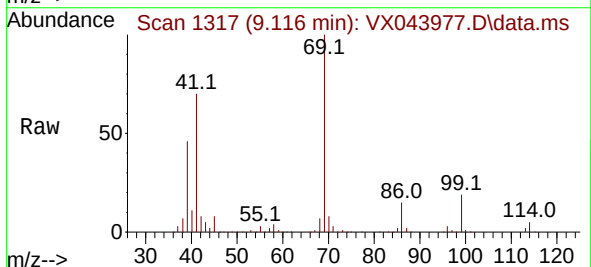
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

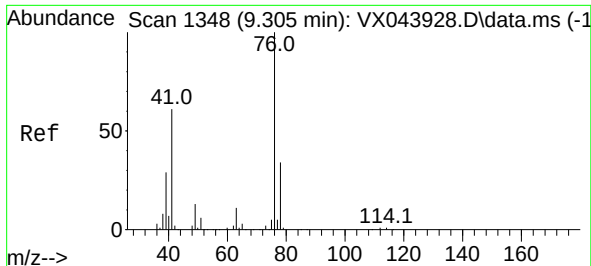
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 78203 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 83.2  | 69.4  | 104.0 |
| 85       | 53.5  | 42.3  | 63.5  |
| 99       | 63.1  | 49.6  | 74.4  |



#56  
Ethyl methacrylate  
Concen: 49.531 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 122941 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 70.7  | 55.8  | 83.8   |
| 39       | 46.5  | 36.7  | 55.1   |





#57

1,3-Dichloropropane

Concen: 49.872 ug/l

RT: 9.305 min Scan# 1138

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

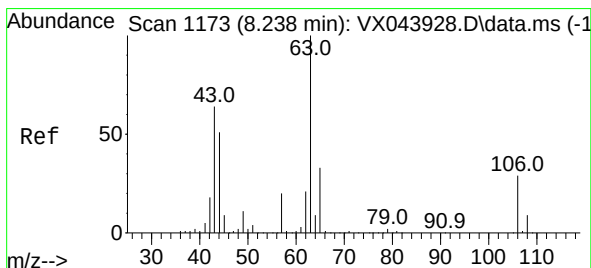
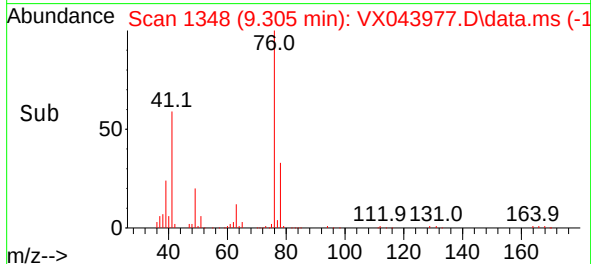
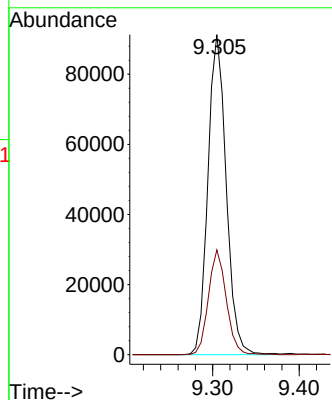
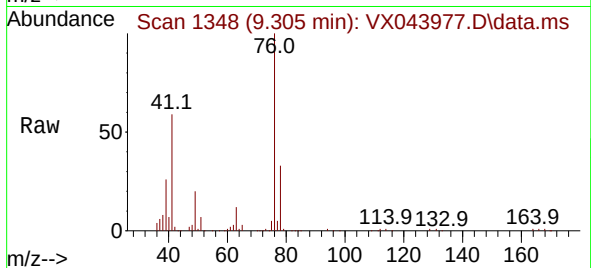
VSTDCCC050

Tgt Ion: 76 Resp: 133878

Ion Ratio Lower Upper

76 100

78 32.0 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 226.771 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX043977.D

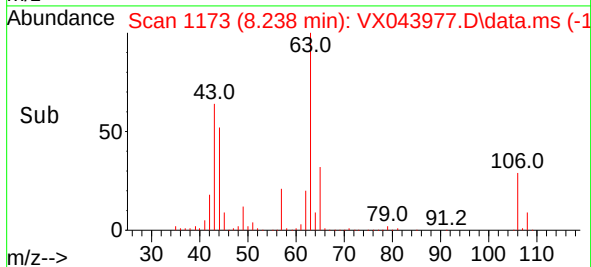
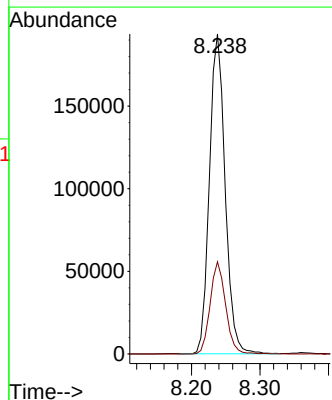
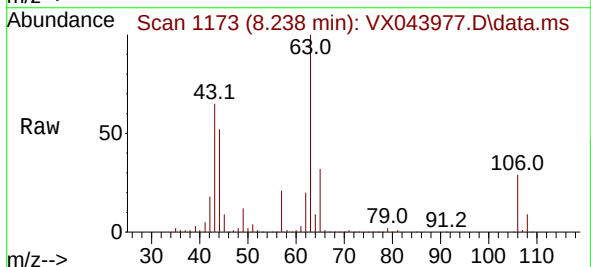
Acq: 25 Nov 2024 11:27

Tgt Ion: 63 Resp: 308826

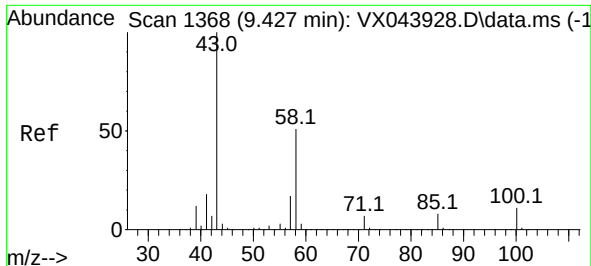
Ion Ratio Lower Upper

63 100

106 28.4 23.0 34.6



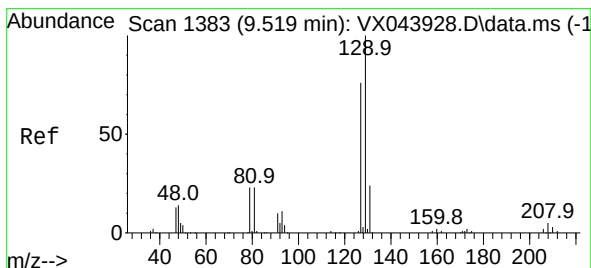
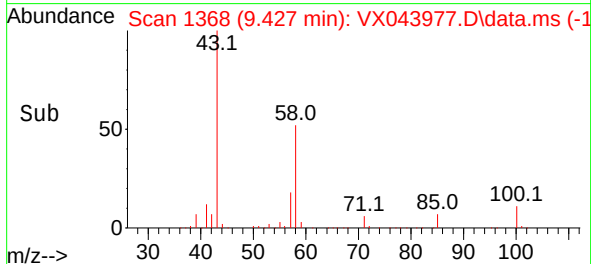
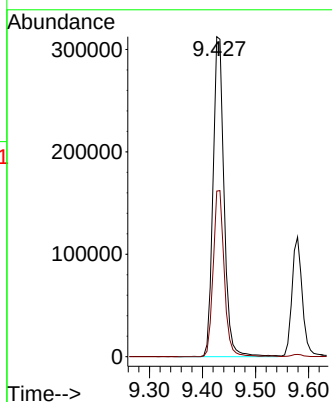
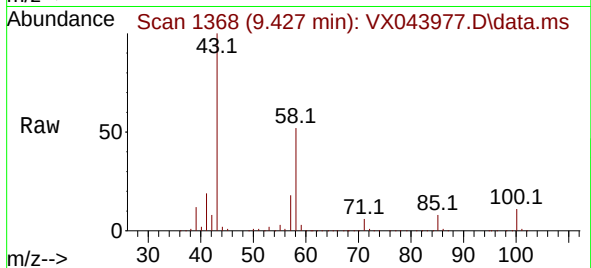




#59  
2-Hexanone  
Concen: 241.619 ug/l  
RT: 9.427 min Scan# 1368  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

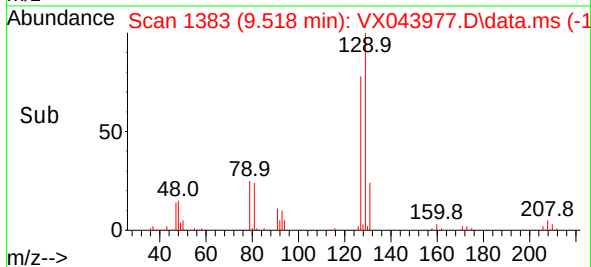
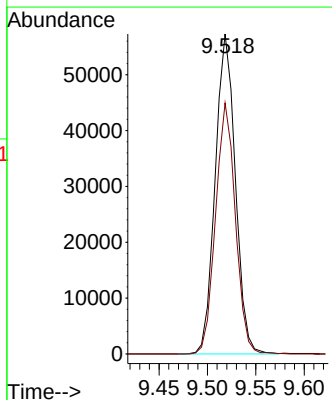
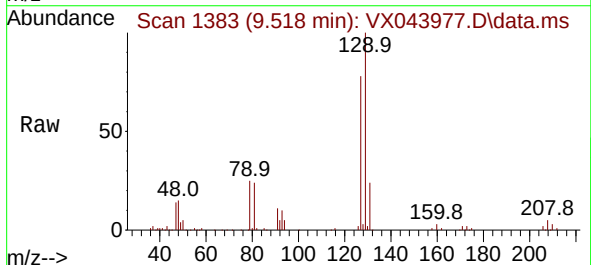
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

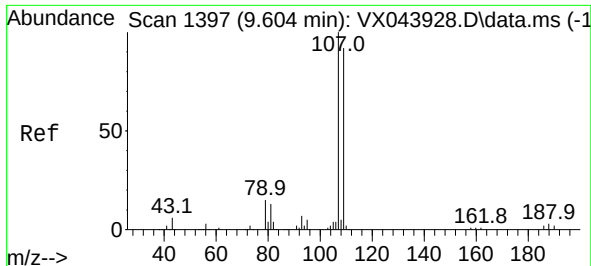
Tgt Ion: 43 Resp: 453330  
Ion Ratio Lower Upper  
43 100  
58 51.8 25.9 77.6



#60  
Dibromochloromethane  
Concen: 51.814 ug/l  
RT: 9.518 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 129 Resp: 82843  
Ion Ratio Lower Upper  
129 100  
127 77.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 49.645 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

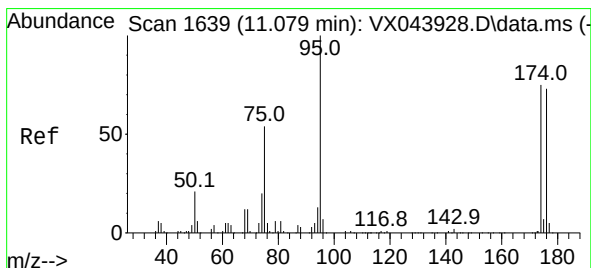
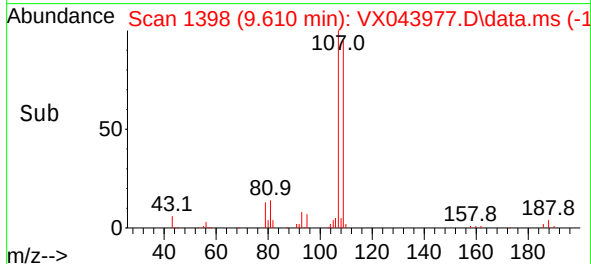
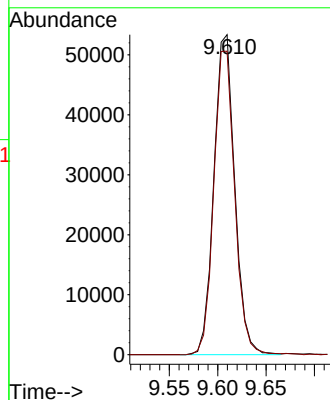
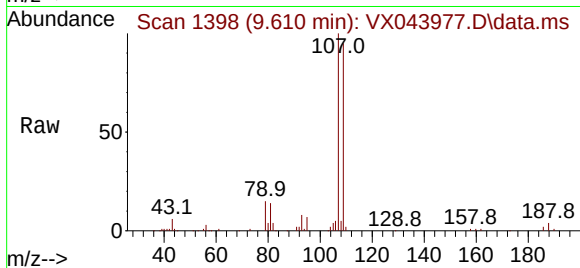
VSTDCCC050

Tgt Ion:107 Resp: 79994

Ion Ratio Lower Upper

107 100

109 95.5 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 50.783 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

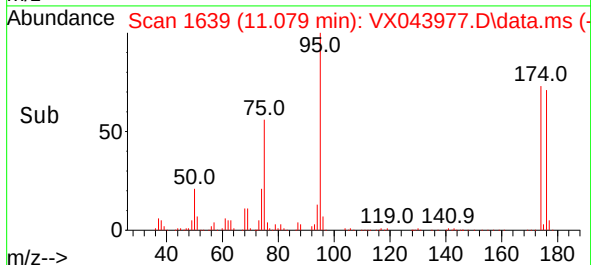
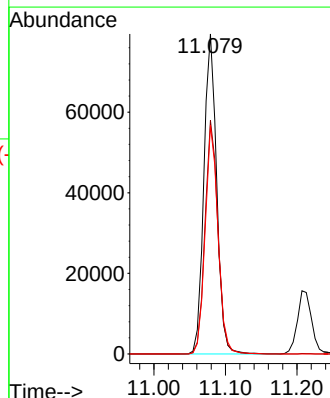
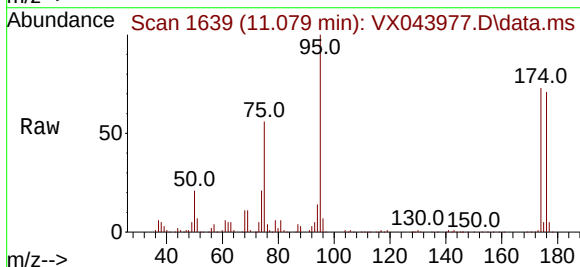
Tgt Ion: 95 Resp: 98993

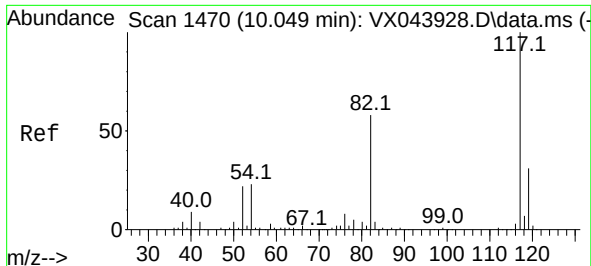
Ion Ratio Lower Upper

95 100

174 73.2 0.0 150.4

176 71.7 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

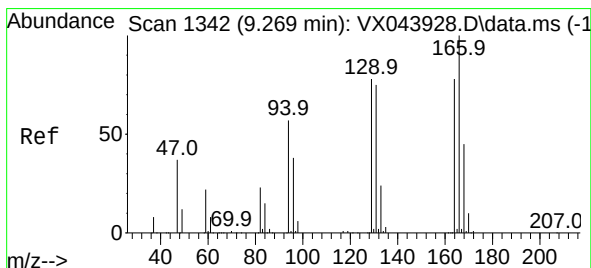
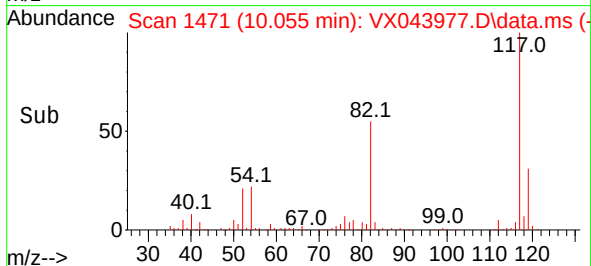
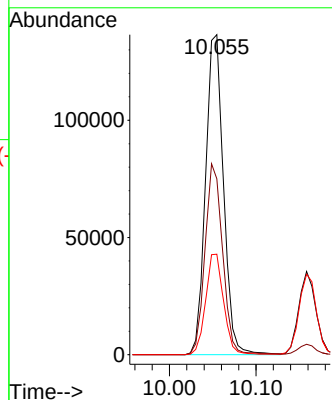
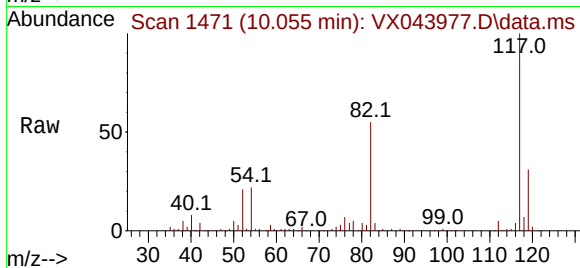
Tgt Ion:117 Resp: 196596

Ion Ratio Lower Upper

117 100

82 55.0 46.4 69.6

119 31.4 24.6 37.0



#64

Tetrachloroethene

Concen: 50.133 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Tgt Ion:164 Resp: 64988

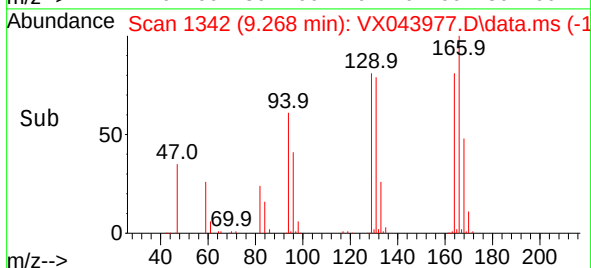
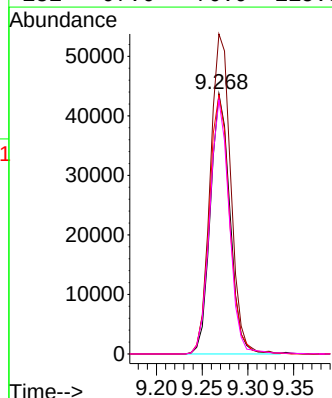
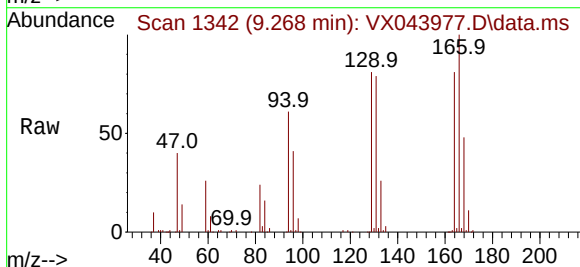
Ion Ratio Lower Upper

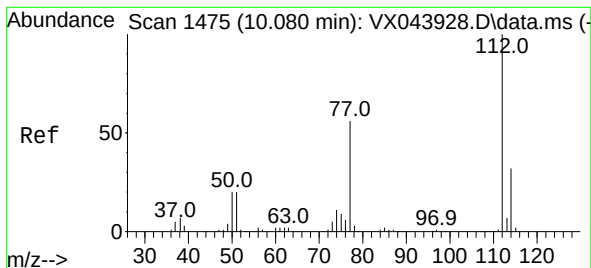
164 100

166 123.0 102.1 153.1

129 99.5 79.6 119.4

131 97.6 76.9 115.3

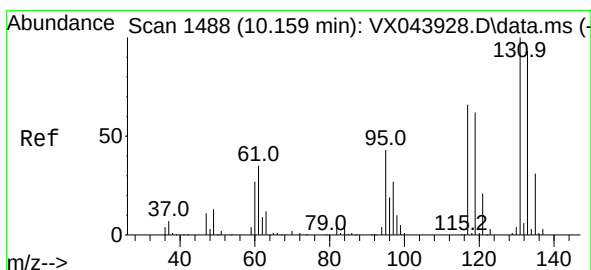
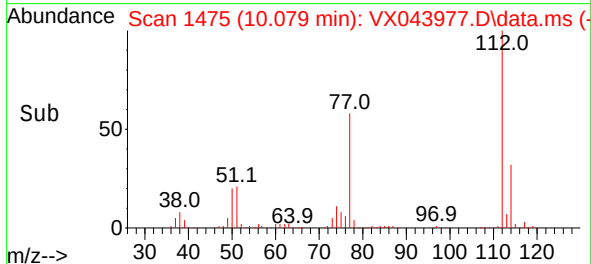
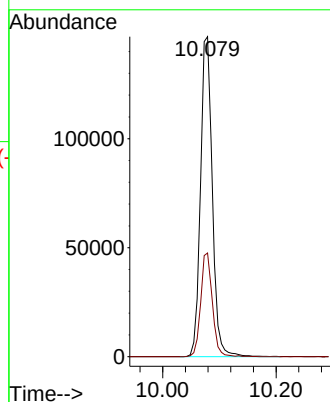
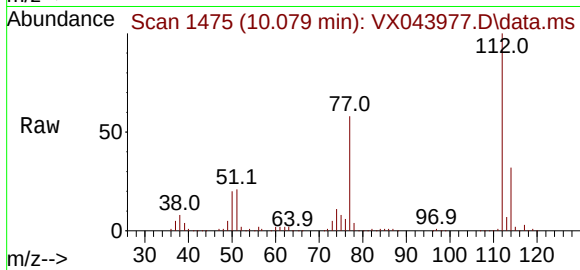




#65  
Chlorobenzene  
Concen: 49.197 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

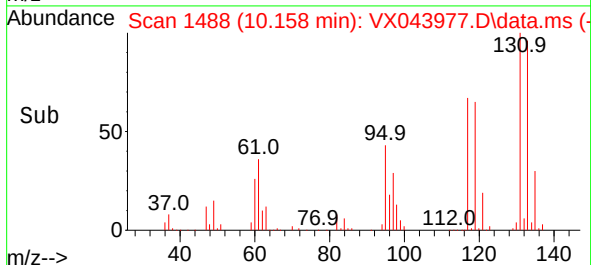
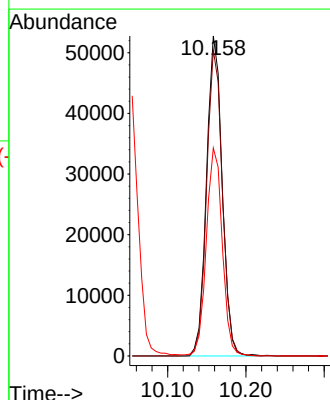
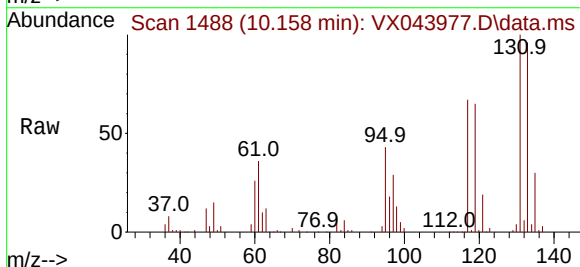
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

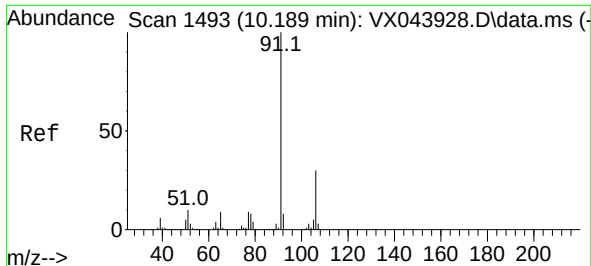
Tgt Ion:112 Resp: 212422  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 52.189 ug/l  
RT: 10.158 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion:131 Resp: 73082  
Ion Ratio Lower Upper  
131 100  
133 95.9 48.2 144.6  
119 66.2 31.5 94.5





#67

Ethyl Benzene

Concen: 50.561 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

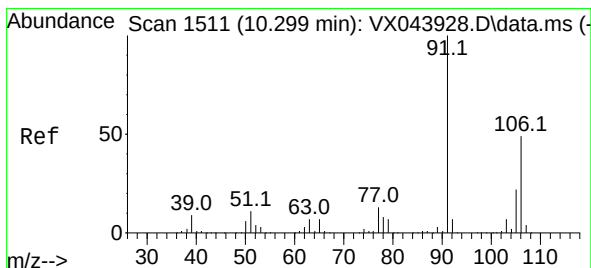
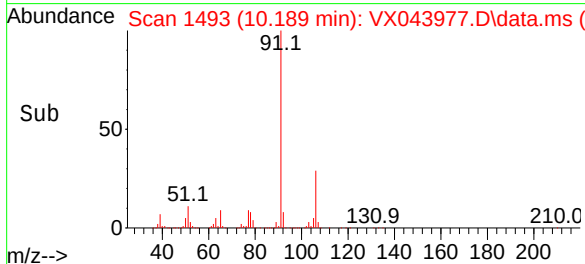
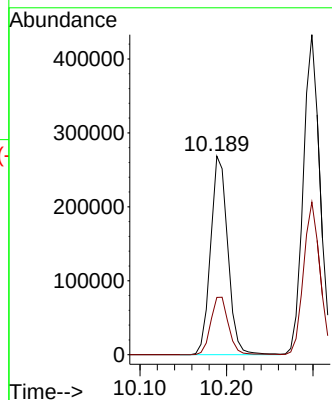
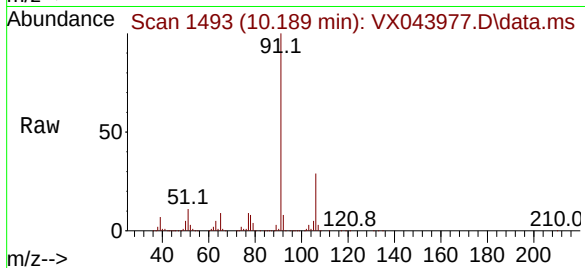
VSTDCCC050

Tgt Ion: 91 Resp: 369929

Ion Ratio Lower Upper

91 100

106 28.8 23.6 35.4



#68

m/p-Xylenes

Concen: 101.696 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.001 min

Lab File: VX043977.D

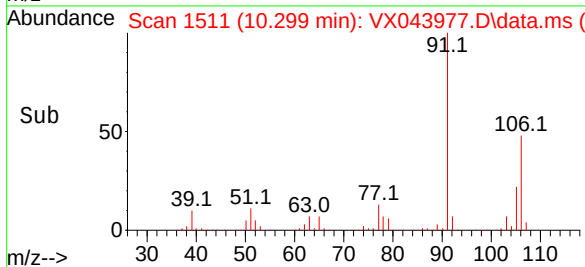
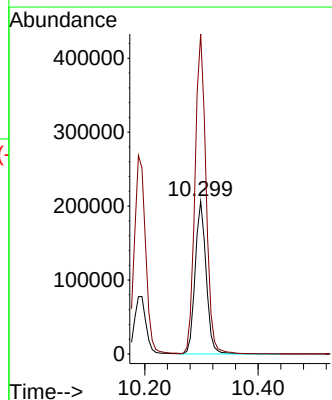
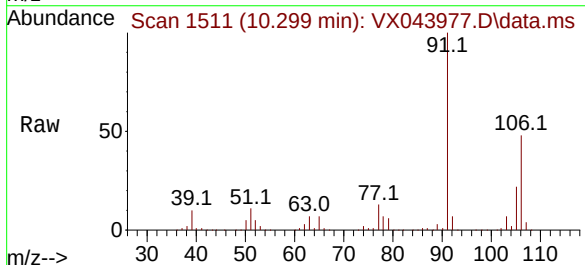
Acq: 25 Nov 2024 11:27

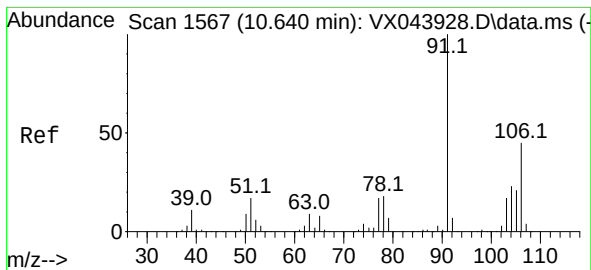
Tgt Ion:106 Resp: 277477

Ion Ratio Lower Upper

106 100

91 210.3 168.1 252.1

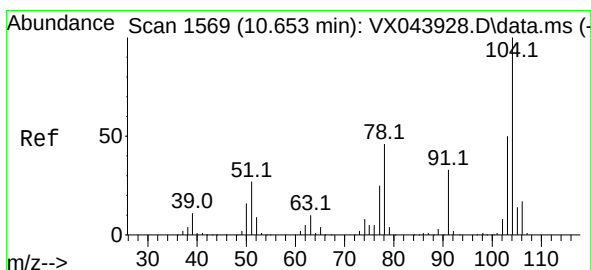
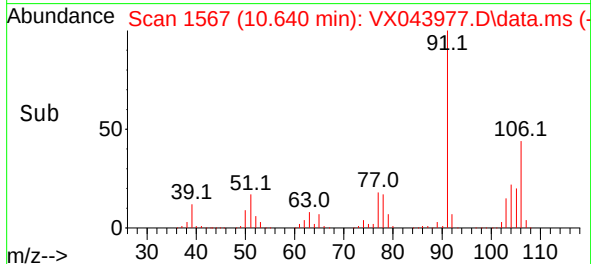
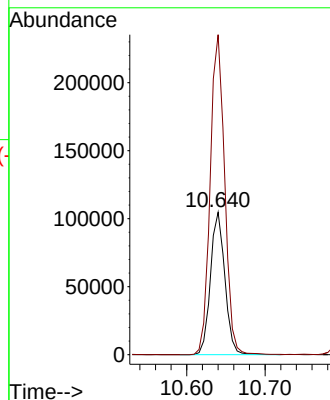
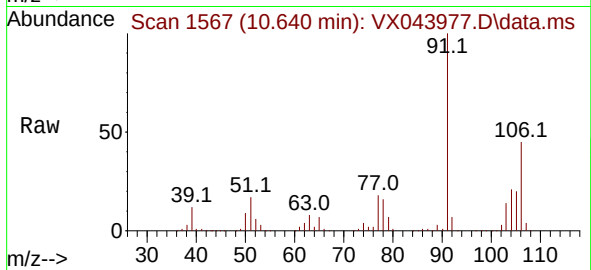




#69  
o-Xylene  
Concen: 50.067 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

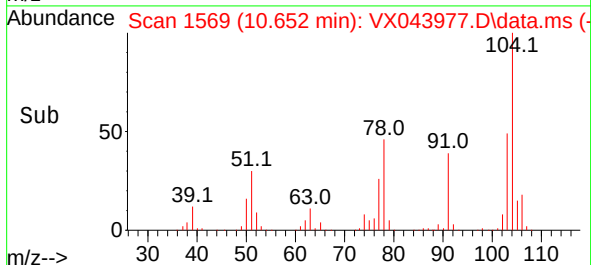
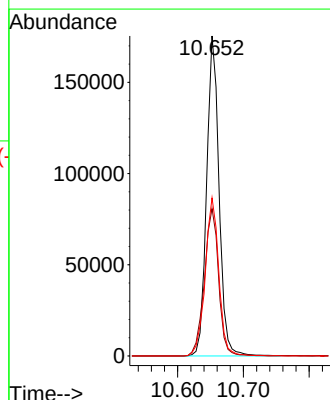
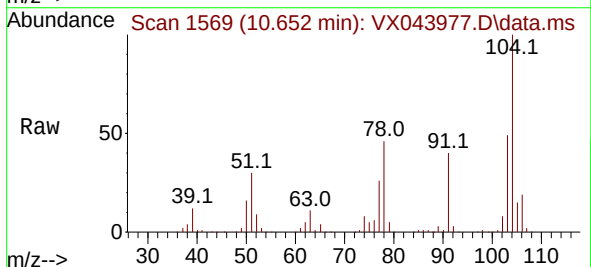
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

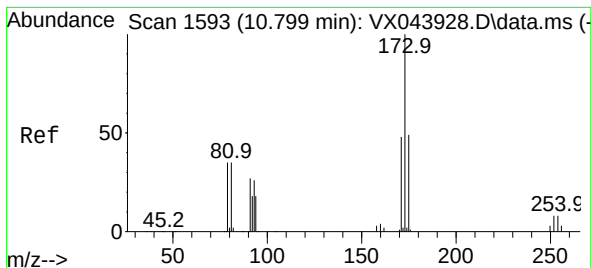
Tgt Ion:106 Resp: 133377  
Ion Ratio Lower Upper  
106 100  
91 226.0 110.2 330.6



#70  
Styrene  
Concen: 52.353 ug/l  
RT: 10.652 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion:104 Resp: 230674  
Ion Ratio Lower Upper  
104 100  
78 52.8 42.2 63.2  
103 54.3 44.7 67.1





#71

Bromoform

Concen: 46.066 ug/l

RT: 10.798 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

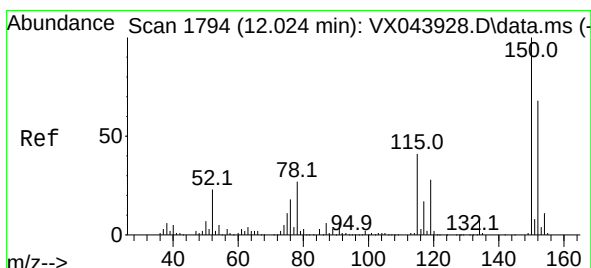
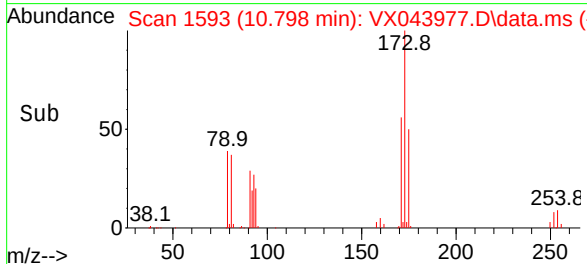
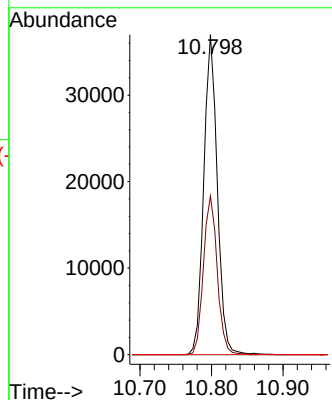
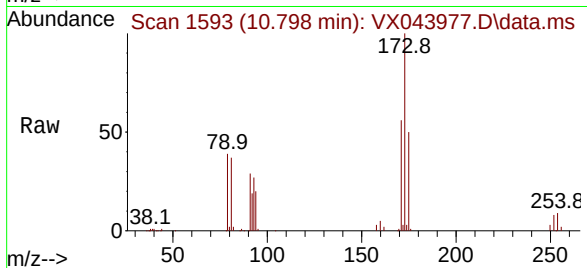
Tgt Ion:173 Resp: 48701

Ion Ratio Lower Upper

173 100

175 50.4 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.007 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

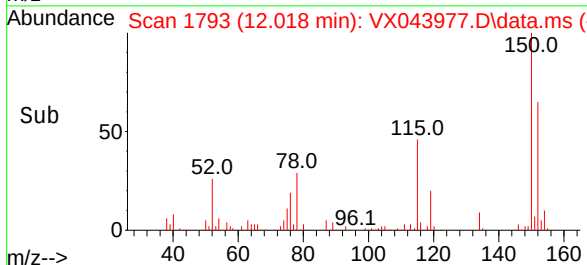
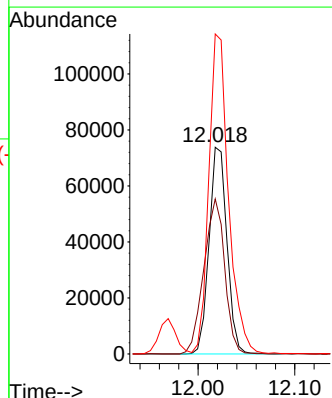
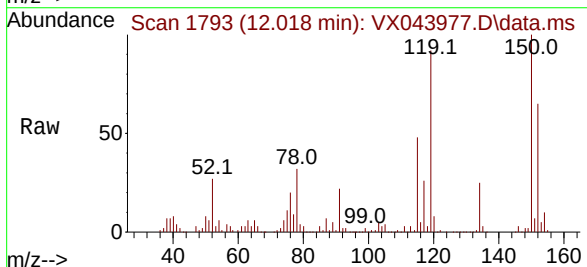
Tgt Ion:152 Resp: 94886

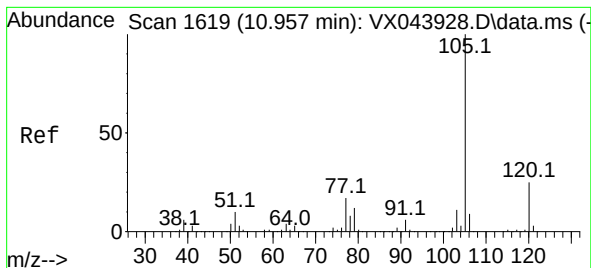
Ion Ratio Lower Upper

152 100

115 87.5 45.4 136.2

150 170.8 0.0 353.0





#73

Isopropylbenzene

Concen: 48.163 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

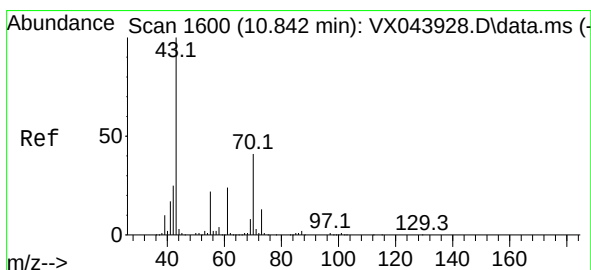
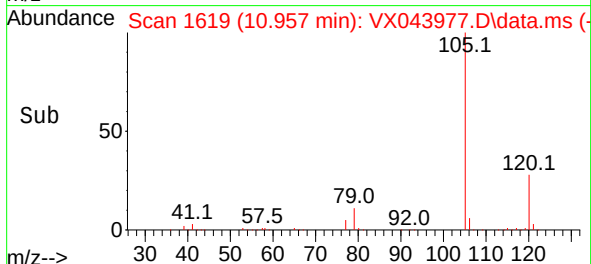
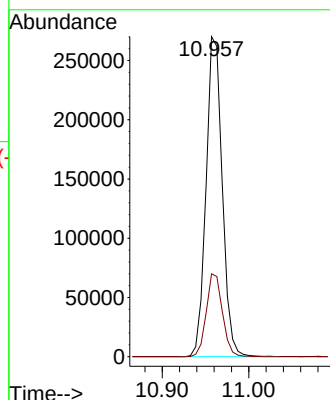
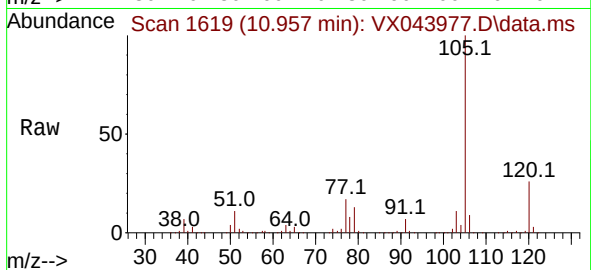
VSTDCCC050

Tgt Ion:105 Resp: 351294

Ion Ratio Lower Upper

105 100

120 25.8 13.0 38.9



#74

N-ethyl acetate

Concen: 48.361 ug/l

RT: 10.841 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Tgt Ion: 43 Resp: 163405

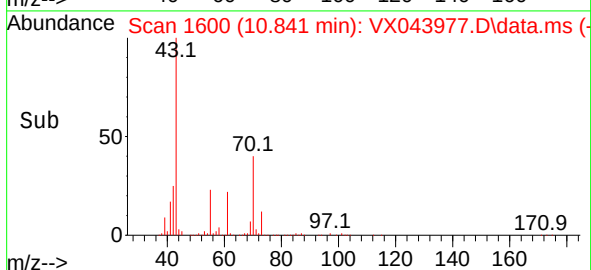
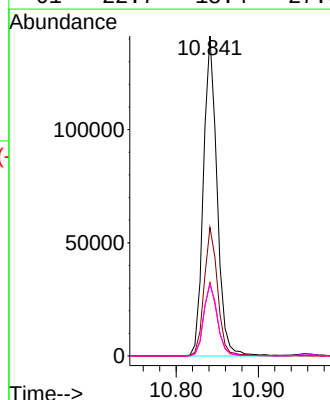
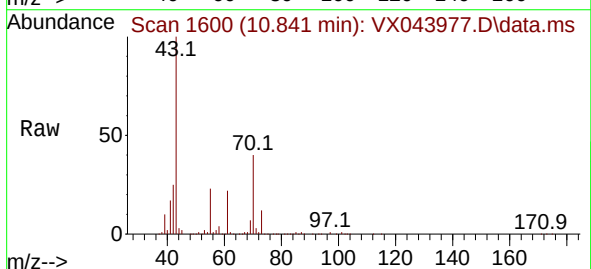
Ion Ratio Lower Upper

43 100

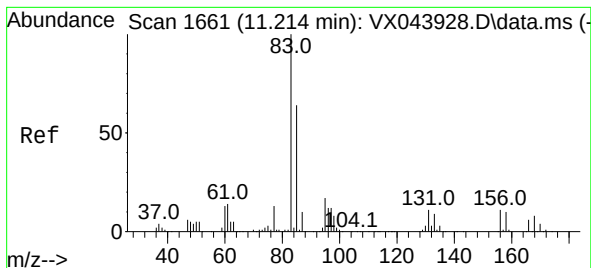
70 39.7 32.2 48.2

55 22.8 18.1 27.1

61 22.7 18.4 27.6



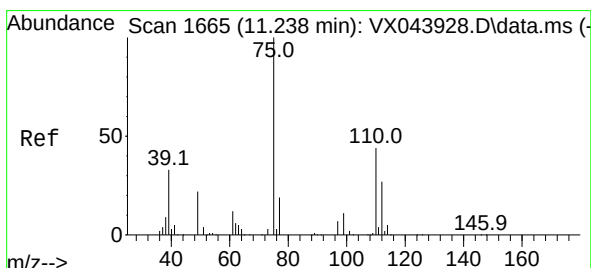
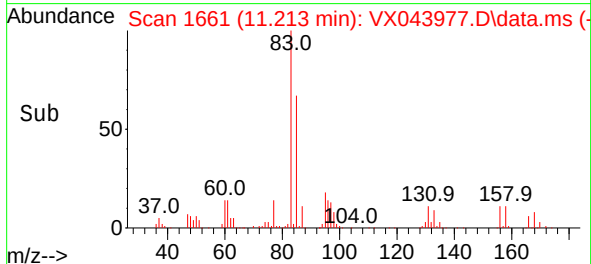
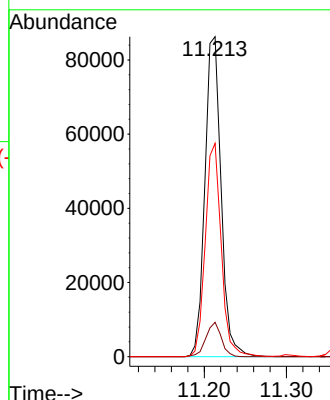
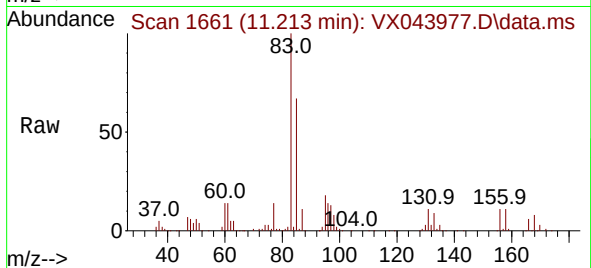




#75  
1,1,2,2-Tetrachloroethane  
Concen: 47.323 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

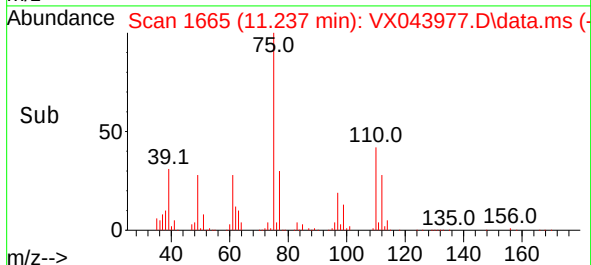
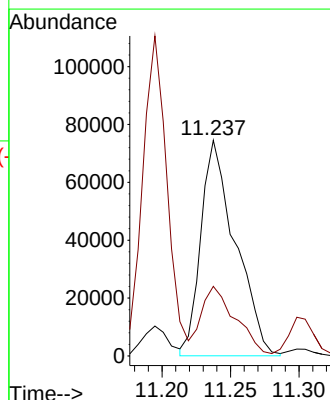
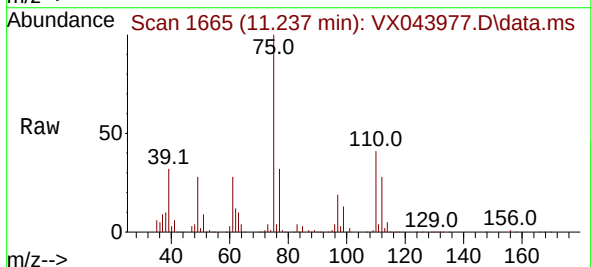
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

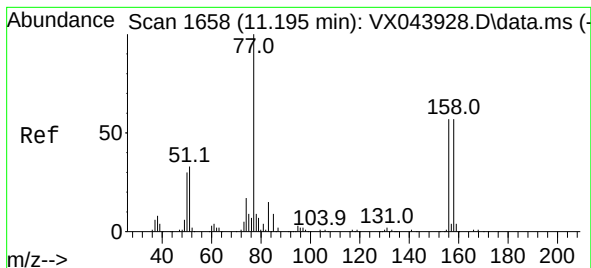
Tgt Ion: 83 Resp: 118187  
Ion Ratio Lower Upper  
83 100  
131 10.2 5.1 15.2  
85 65.6 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 62.881 ug/l  
RT: 11.237 min Scan# 1665  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 75 Resp: 130845  
Ion Ratio Lower Upper  
75 100  
77 32.0 21.8 65.3





#77

Bromobenzene

Concen: 48.374 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

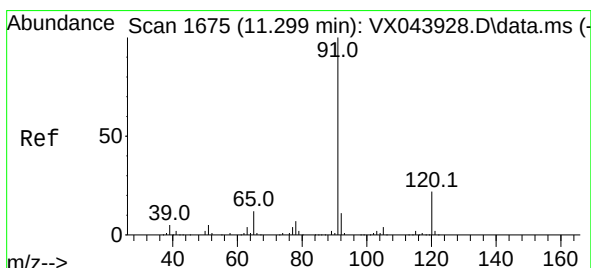
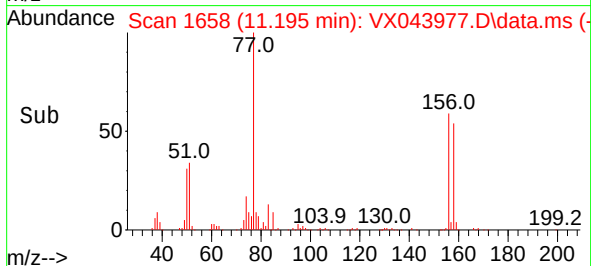
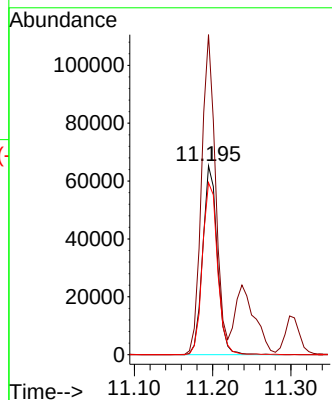
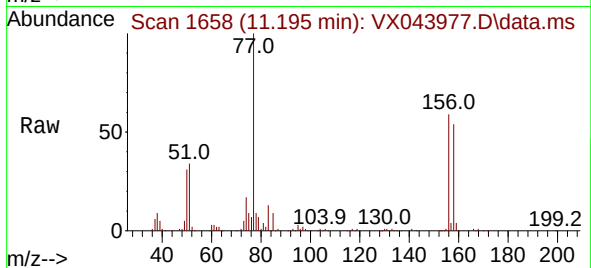
Tgt Ion:156 Resp: 84168

Ion Ratio Lower Upper

156 100

77 163.8 83.4 250.1

158 94.8 47.6 142.8



#78

n-propylbenzene

Concen: 49.892 ug/l

RT: 11.304 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043977.D

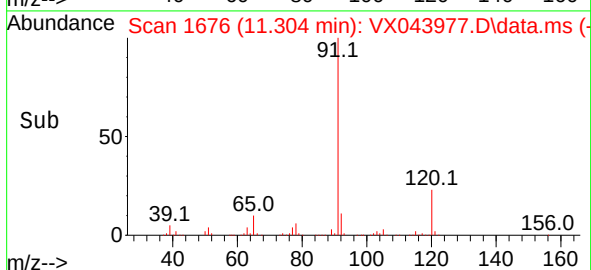
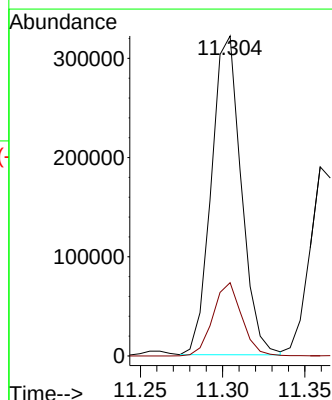
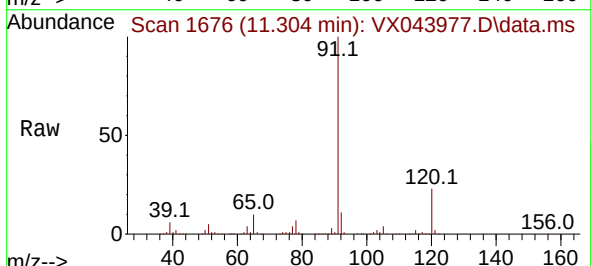
Acq: 25 Nov 2024 11:27

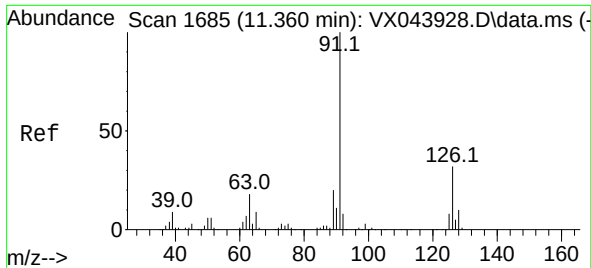
Tgt Ion: 91 Resp: 406428

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4

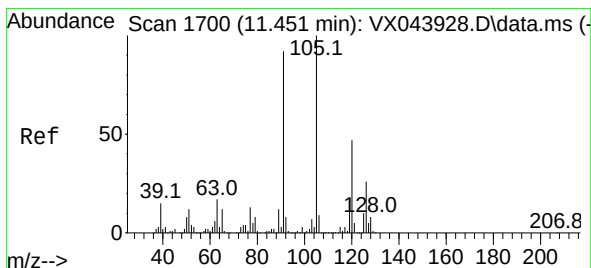
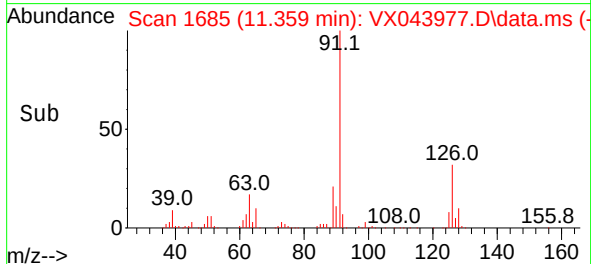
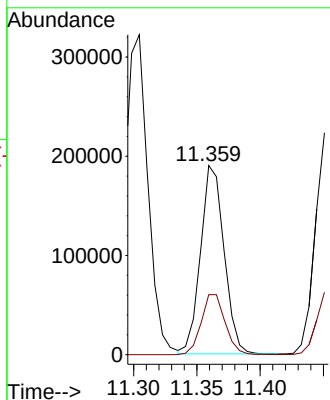
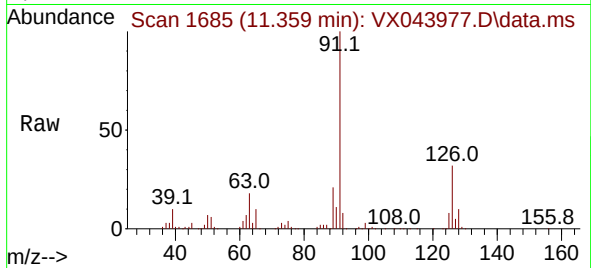




#79  
2-Chlorotoluene  
Concen: 47.802 ug/l  
RT: 11.359 min Scan# 1685  
Delta R.T. -0.001 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

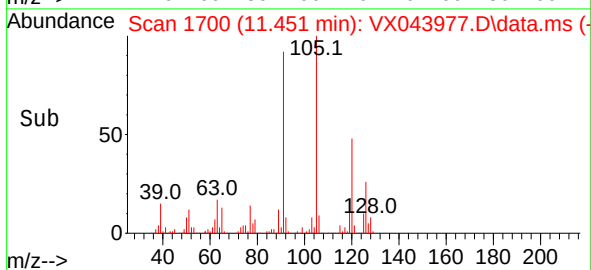
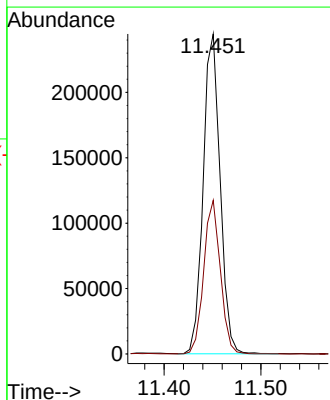
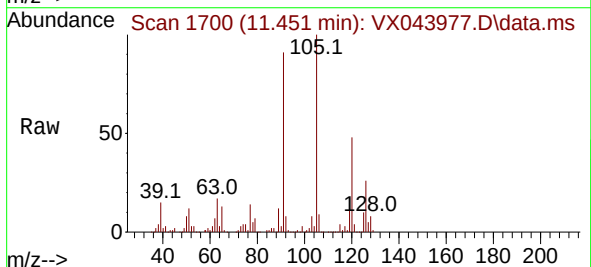
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

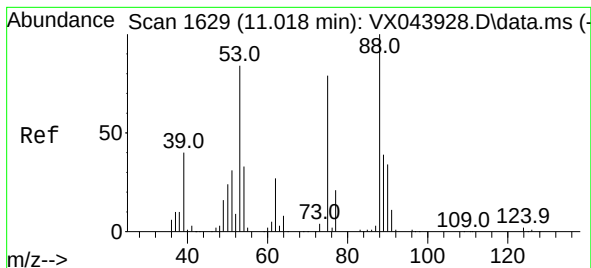
Tgt Ion: 91 Resp: 246237  
Ion Ratio Lower Upper  
91 100  
126 32.5 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 49.689 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion:105 Resp: 298167  
Ion Ratio Lower Upper  
105 100  
120 47.3 23.3 69.8

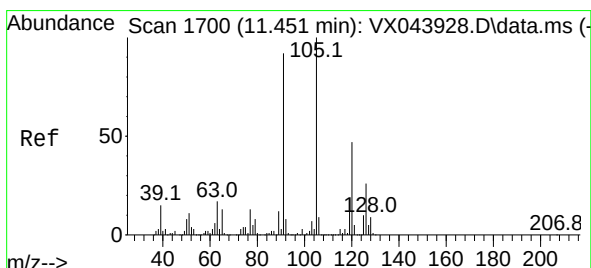
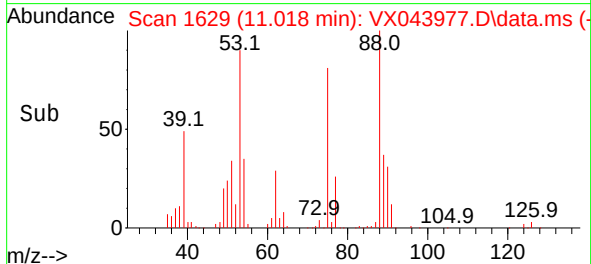
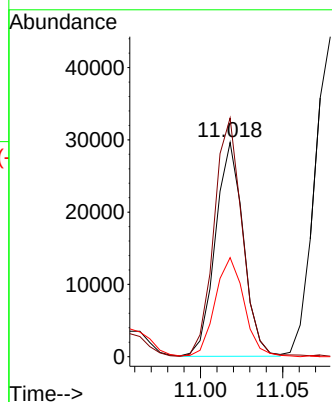
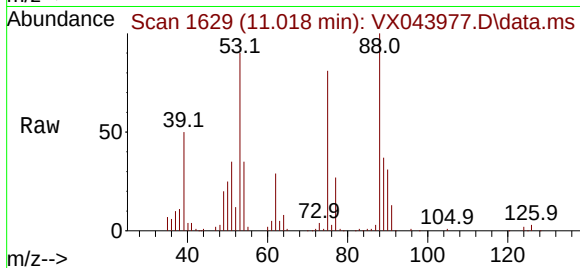




#81  
trans-1,4-Dichloro-2-butene  
Concen: 45.951 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

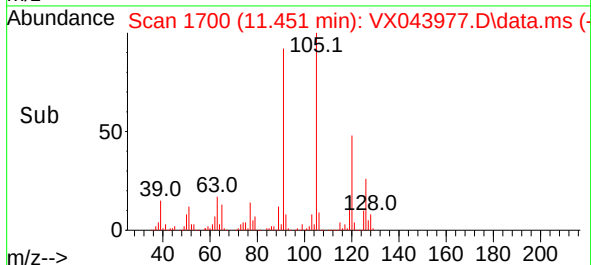
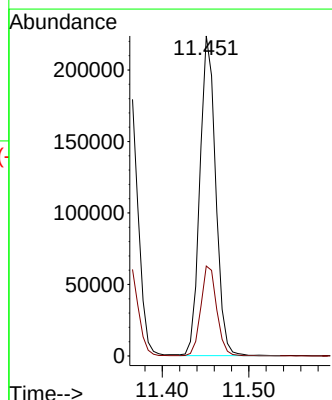
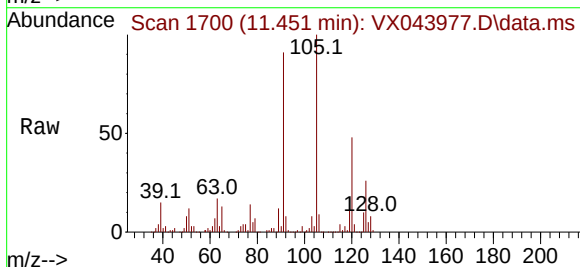
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

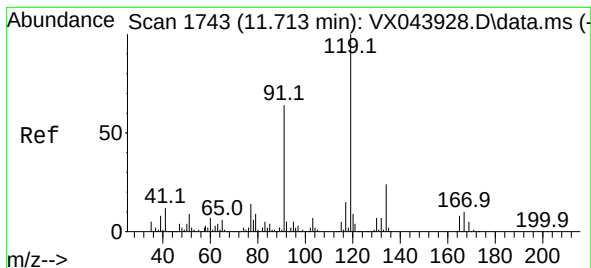
Tgt Ion: 75 Resp: 35040  
Ion Ratio Lower Upper  
75 100  
53 113.2 86.7 130.1  
89 48.2 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 48.585 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043977.D  
Acq: 25 Nov 2024 11:27

Tgt Ion: 91 Resp: 282543  
Ion Ratio Lower Upper  
91 100  
126 28.2 14.3 42.9





#83

tert-Butylbenzene

Concen: 49.242 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

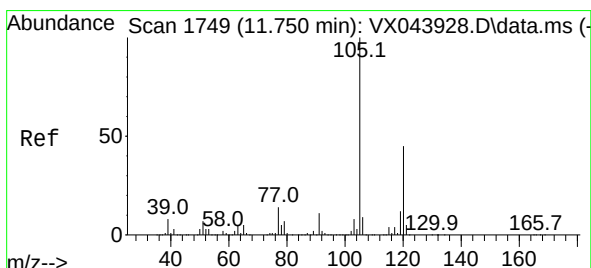
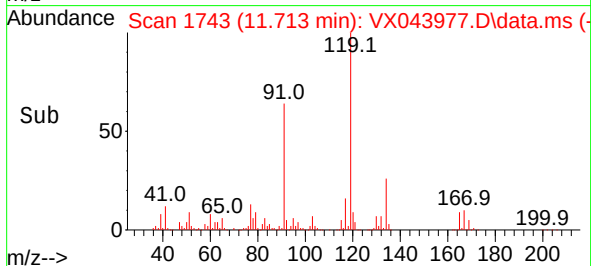
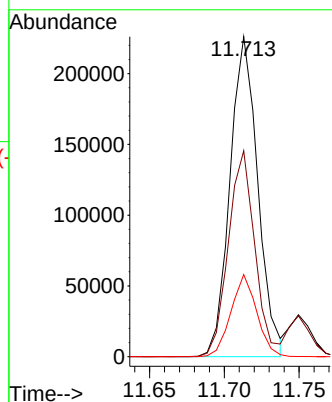
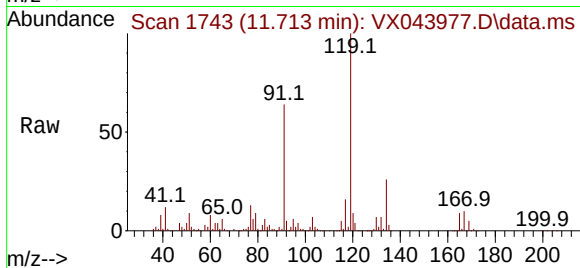
Tgt Ion:119 Resp: 292877

Ion Ratio Lower Upper

119 100

91 61.5 31.0 93.0

134 23.8 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 49.987 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043977.D

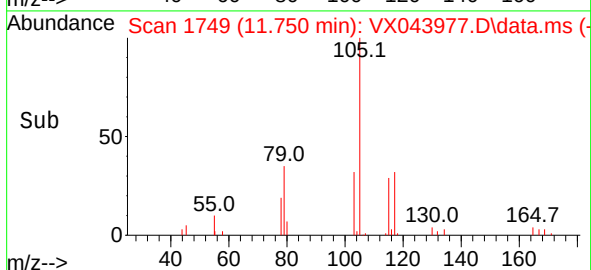
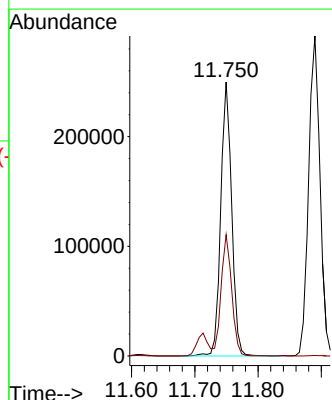
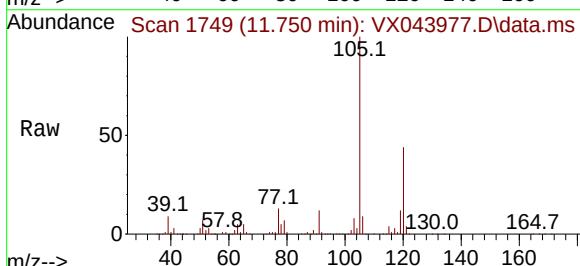
Acq: 25 Nov 2024 11:27

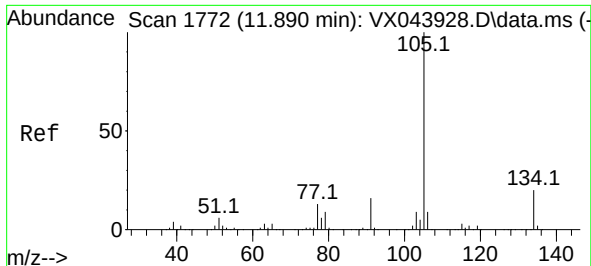
Tgt Ion:105 Resp: 298636

Ion Ratio Lower Upper

105 100

120 43.2 21.9 65.7





#85

sec-Butylbenzene

Concen: 49.775 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

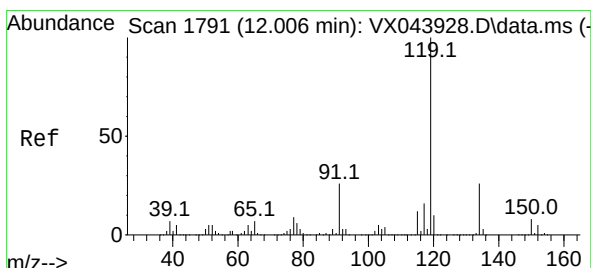
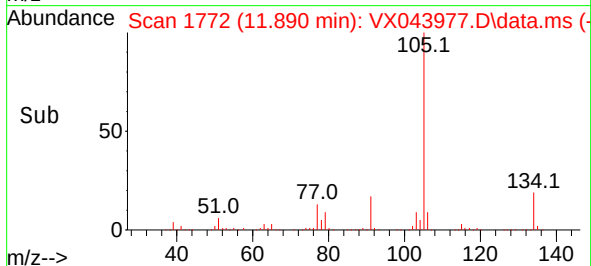
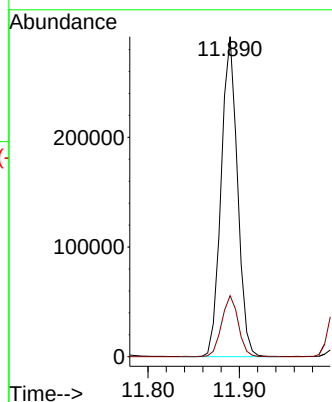
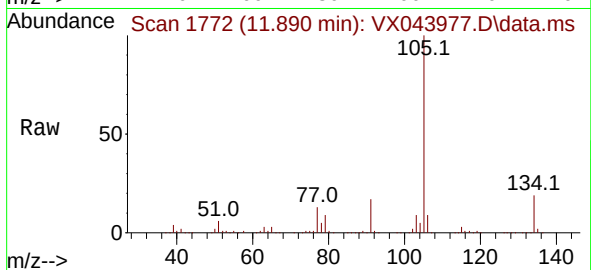
VSTDCCC050

Tgt Ion:105 Resp: 362725

Ion Ratio Lower Upper

105 100

134 19.3 9.7 29.1



#86

p-Isopropyltoluene

Concen: 51.764 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

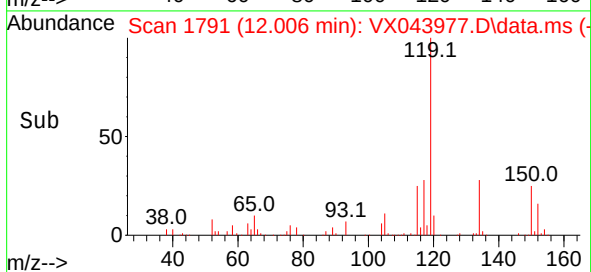
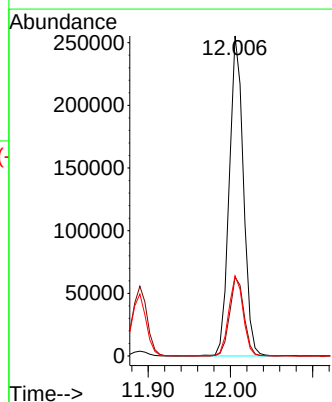
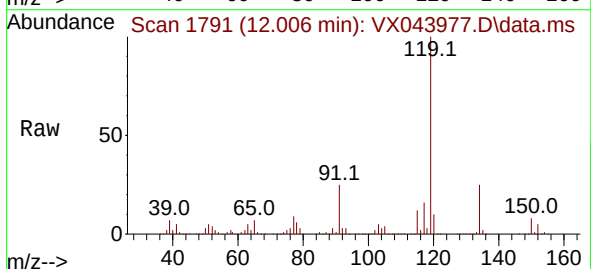
Tgt Ion:119 Resp: 306406

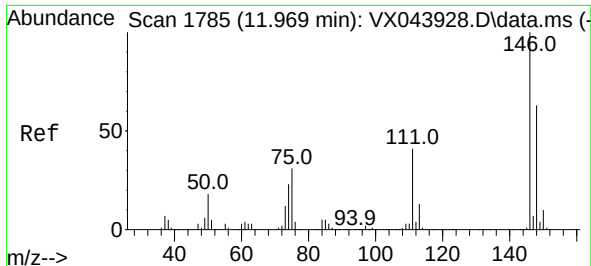
Ion Ratio Lower Upper

119 100

134 25.0 13.0 38.9

91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 48.622 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

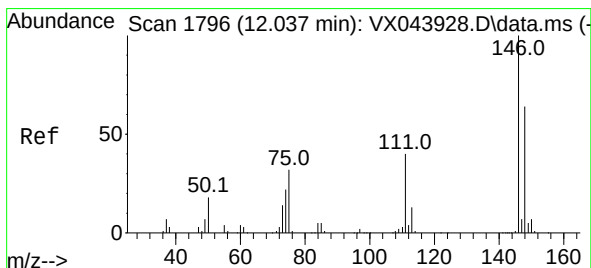
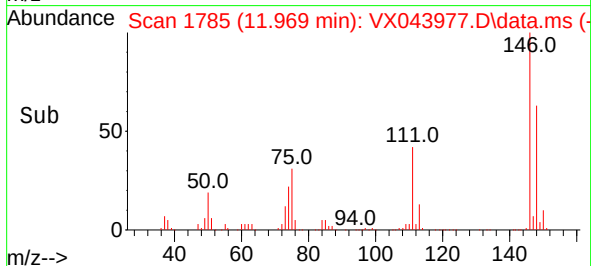
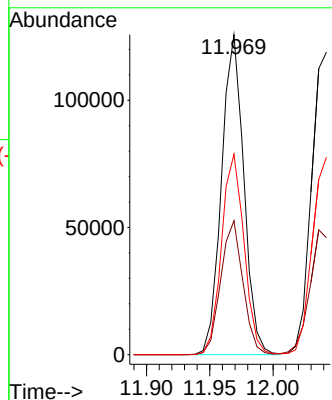
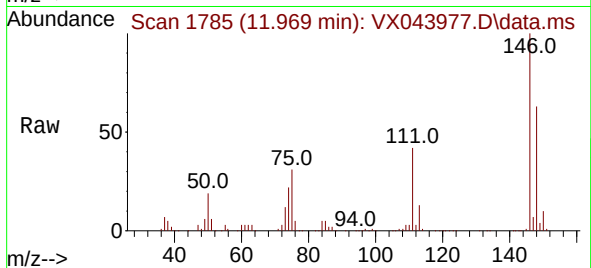
Tgt Ion:146 Resp: 154082

Ion Ratio Lower Upper

146 100

111 41.7 21.1 63.3

148 63.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 47.493 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

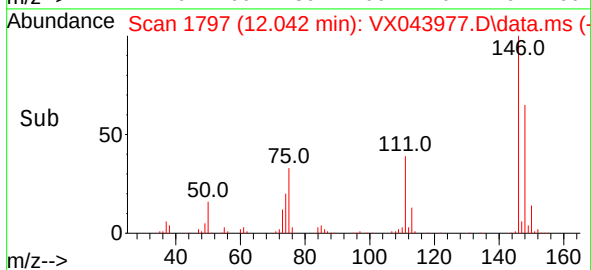
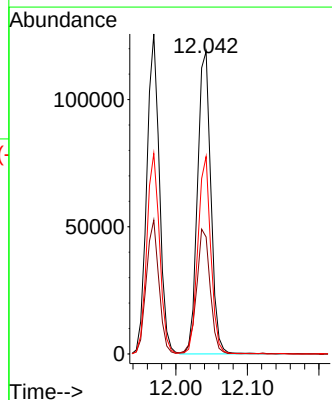
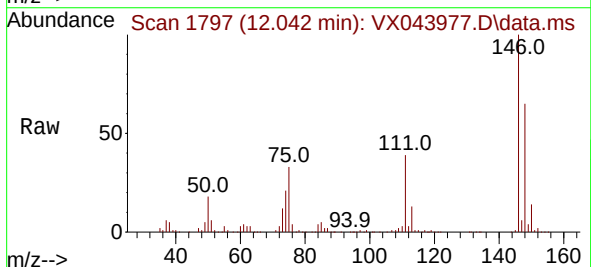
Tgt Ion:146 Resp: 153444

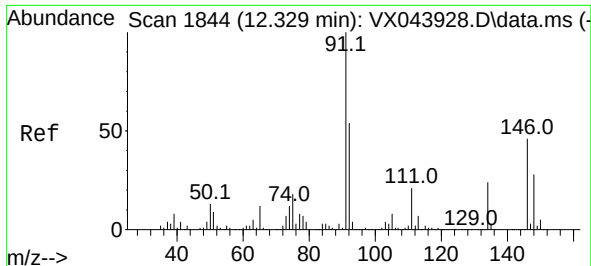
Ion Ratio Lower Upper

146 100

111 41.9 20.1 60.3

148 62.8 30.9 92.8





#89

n-Butylbenzene

Concen: 50.989 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

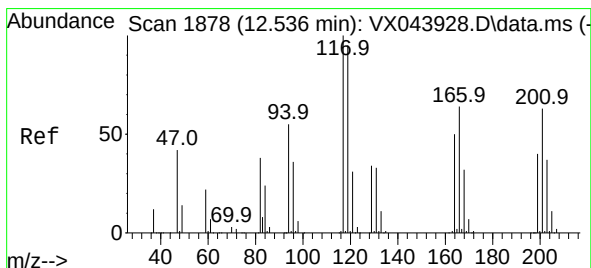
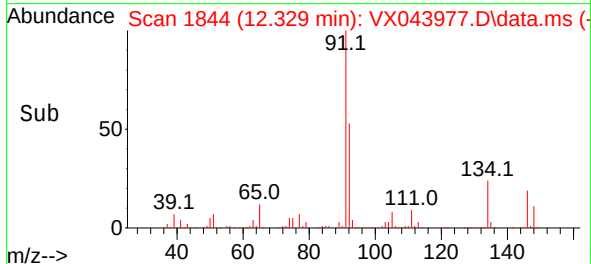
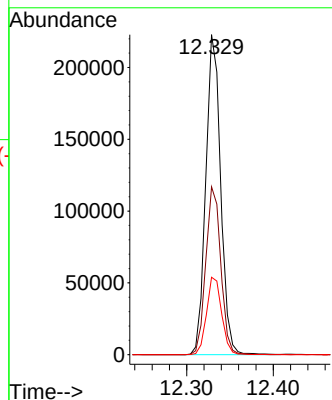
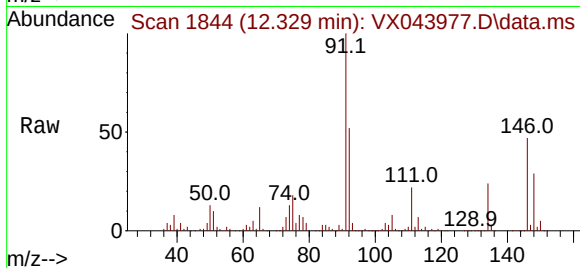
Tgt Ion: 91 Resp: 266108

Ion Ratio Lower Upper

91 100

92 52.9 26.6 79.8

134 24.6 12.4 37.2



#90

Hexachloroethane

Concen: 48.643 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.001 min

Lab File: VX043977.D

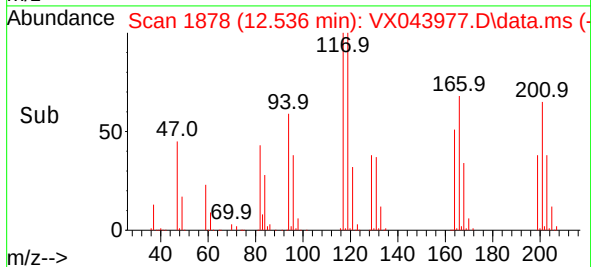
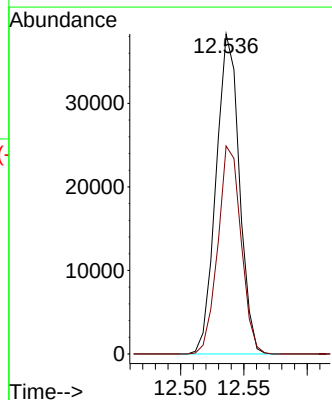
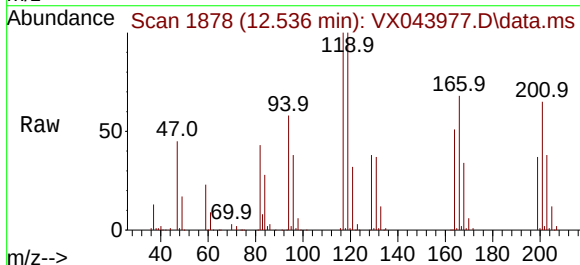
Acq: 25 Nov 2024 11:27

Tgt Ion: 117 Resp: 48961

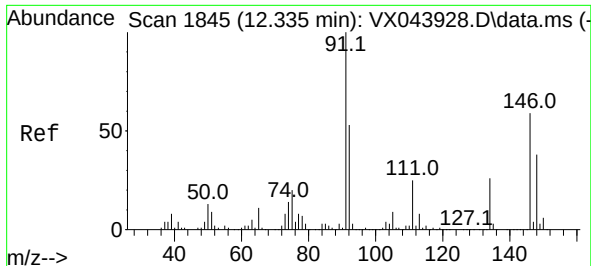
Ion Ratio Lower Upper

117 100

201 64.7 32.4 97.0







#91

1,2-Dichlorobenzene

Concen: 48.588 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

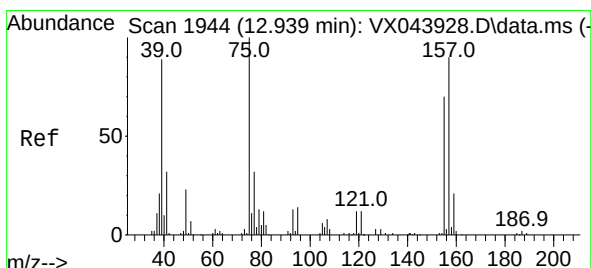
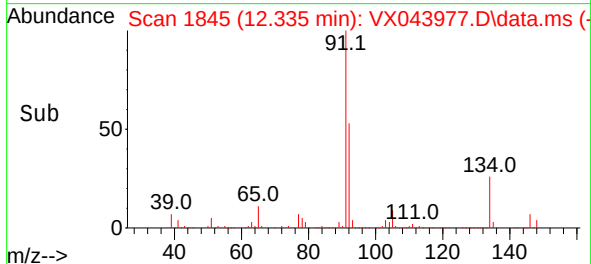
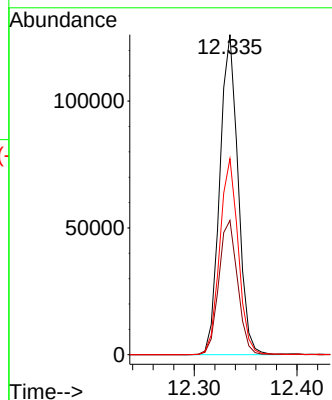
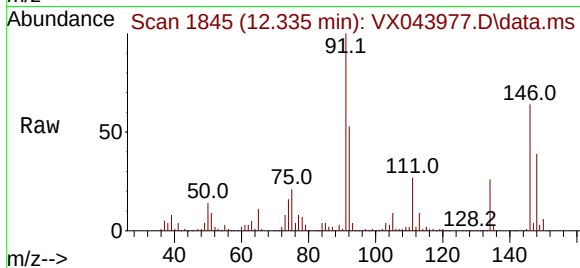
Tgt Ion:146 Resp: 155387

Ion Ratio Lower Upper

146 100

111 43.5 21.5 64.5

148 62.2 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.127 ug/l

RT: 12.938 min Scan# 1944

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

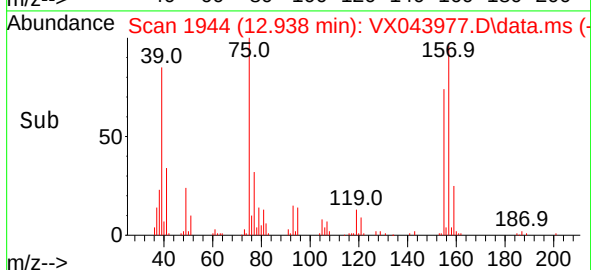
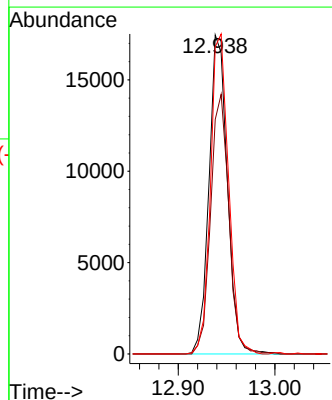
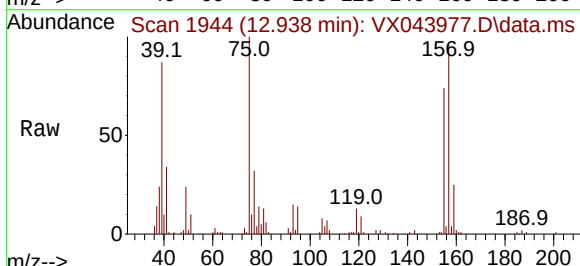
Tgt Ion: 75 Resp: 23083

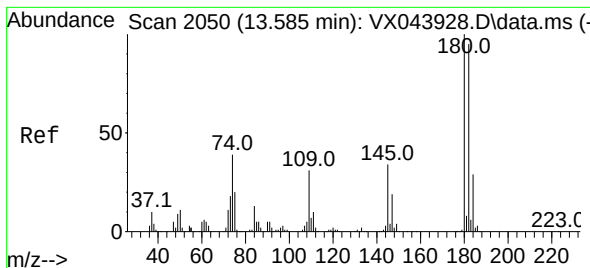
Ion Ratio Lower Upper

75 100

155 80.6 40.1 120.2

157 98.4 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 47.992 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

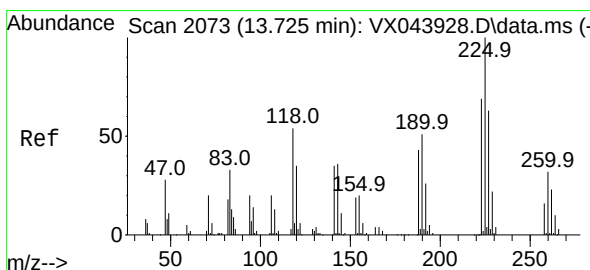
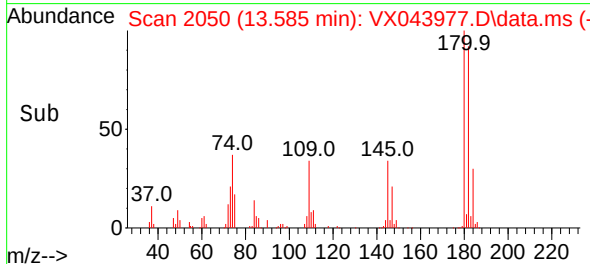
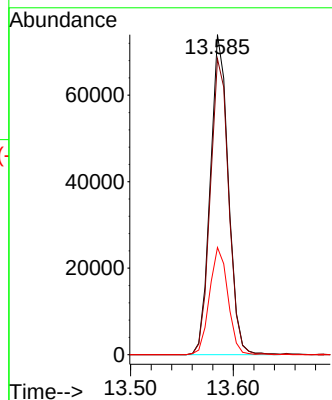
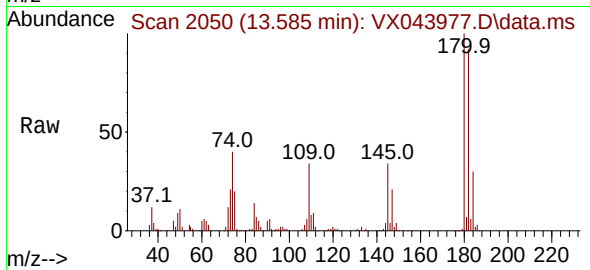
Tgt Ion:180 Resp: 90486

Ion Ratio Lower Upper

180 100

182 94.3 48.0 144.2

145 34.2 16.8 50.4



#94

Hexachlorobutadiene

Concen: 48.575 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

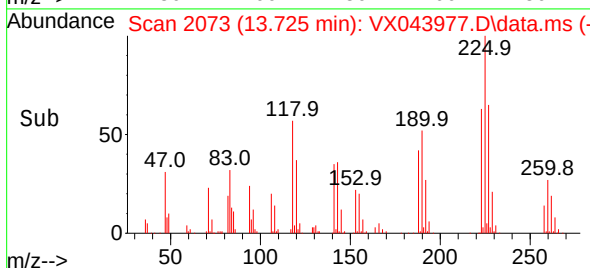
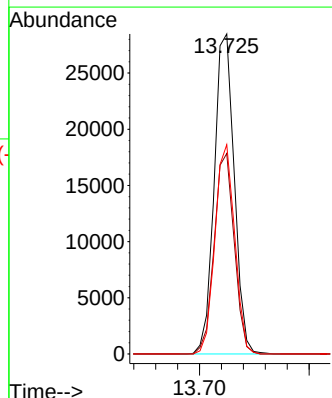
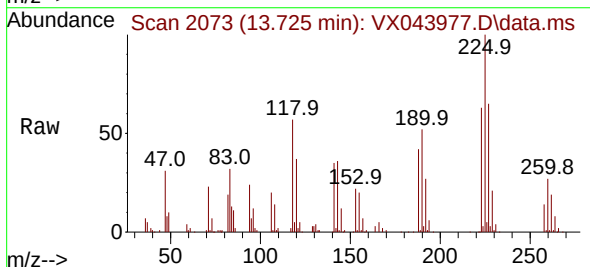
Tgt Ion:225 Resp: 36196

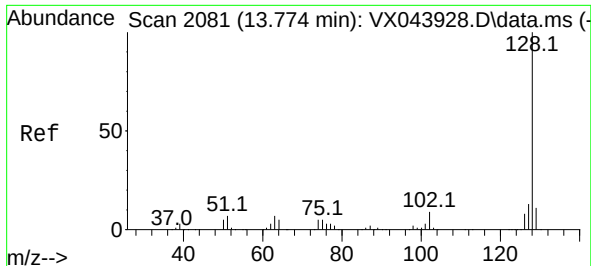
Ion Ratio Lower Upper

225 100

223 62.6 32.9 98.6

227 64.2 31.6 94.8





#95

Naphthalene

Concen: 49.325 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.001 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

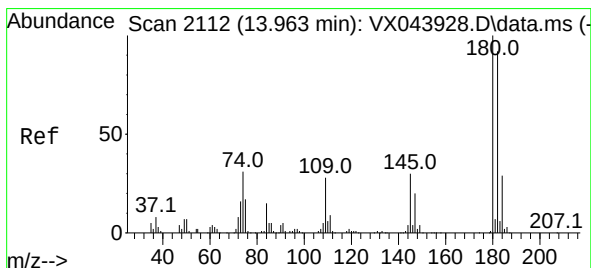
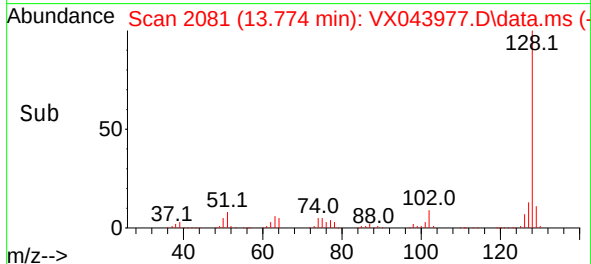
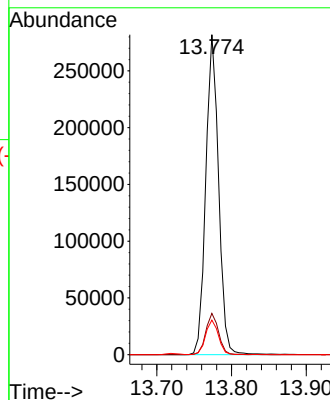
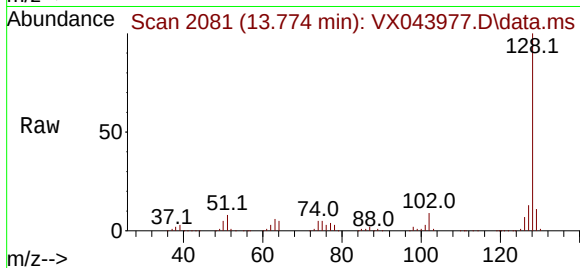
Tgt Ion:128 Resp: 334769

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 48.584 ug/l

RT: 13.956 min Scan# 2111

Delta R.T. -0.007 min

Lab File: VX043977.D

Acq: 25 Nov 2024 11:27

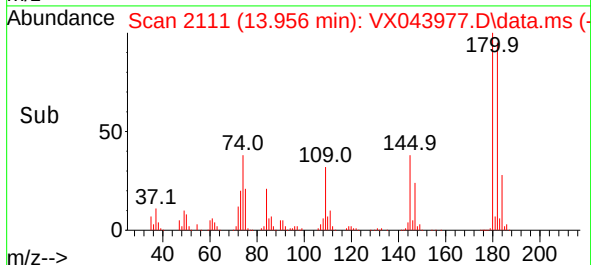
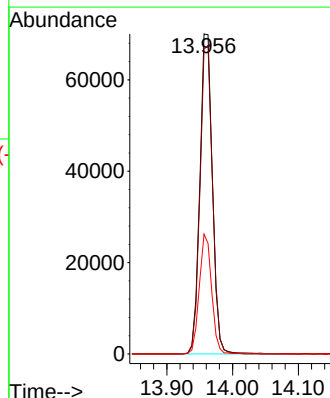
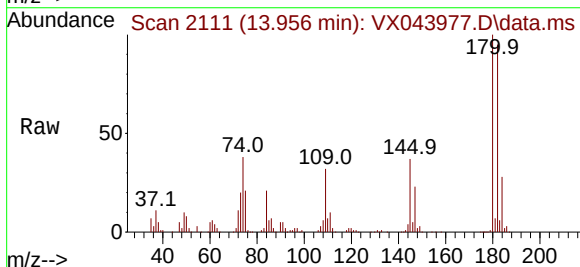
Tgt Ion:180 Resp: 92716

Ion Ratio Lower Upper

180 100

182 96.5 45.6 136.8

145 36.7 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043980.D  
 Acq On : 25 Nov 2024 12:41  
 Operator : JC/MD  
 Sample : VX1125WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBS01

Quant Time: Nov 27 07:37:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 129078   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 232630   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 200729   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 89446    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 111972   | 50.577   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 101.160% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 82126    | 49.406   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 98.820%  |
| 50) Toluene-d8              | 8.647  | 98    | 279748   | 48.822   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 97.640%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 92231    | 47.296   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 94.600%  |

|                              |       |     |        |        |        |    |
|------------------------------|-------|-----|--------|--------|--------|----|
| Target Compounds             |       |     |        |        | Qvalue |    |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 27858  | 17.036 | ug/l   | 96 |
| 3) Chloromethane             | 1.294 | 50  | 31484  | 18.297 | ug/l   | 98 |
| 4) Vinyl Chloride            | 1.374 | 62  | 32067  | 17.520 | ug/l   | 97 |
| 5) Bromomethane              | 1.593 | 94  | 23162  | 20.571 | ug/l   | 96 |
| 6) Chloroethane              | 1.666 | 64  | 21661  | 19.423 | ug/l   | 99 |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 62260  | 19.027 | ug/l   | 99 |
| 8) Diethyl Ether             | 2.136 | 74  | 21810  | 18.287 | ug/l   | 99 |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 27391  | 17.549 | ug/l   | 99 |
| 10) Methyl Iodide            | 2.447 | 142 | 35527  | 18.224 | ug/l   | 98 |
| 11) Tert butyl alcohol       | 2.995 | 59  | 30305  | 85.282 | ug/l   | 98 |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 25636  | 17.236 | ug/l   | 92 |
| 13) Acrolein                 | 2.233 | 56  | 29794  | 79.545 | ug/l   | 99 |
| 14) Allyl chloride           | 2.654 | 41  | 43363  | 17.842 | ug/l   | 97 |
| 15) Acrylonitrile            | 3.062 | 53  | 78411  | 90.547 | ug/l   | 99 |
| 16) Acetone                  | 2.380 | 43  | 89315  | 87.837 | ug/l   | 99 |
| 17) Carbon Disulfide         | 2.502 | 76  | 46168  | 15.048 | ug/l   | 96 |
| 18) Methyl Acetate           | 2.703 | 43  | 43353  | 18.308 | ug/l   | 99 |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 102397 | 18.961 | ug/l   | 99 |
| 20) Methylene Chloride       | 2.782 | 84  | 30699  | 17.791 | ug/l   | 97 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 27476  | 17.893 | ug/l   | 95 |
| 22) Diisopropyl ether        | 3.757 | 45  | 101204 | 19.474 | ug/l # | 87 |
| 23) Vinyl Acetate            | 3.721 | 43  | 413005 | 92.903 | ug/l   | 99 |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 57833  | 19.291 | ug/l   | 99 |
| 25) 2-Butanone               | 4.562 | 43  | 119828 | 91.330 | ug/l   | 97 |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 50034  | 18.480 | ug/l   | 99 |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 35442  | 18.672 | ug/l   | 99 |
| 28) Bromochloromethane       | 4.891 | 49  | 28155  | 21.335 | ug/l   | 97 |
| 29) Tetrahydrofuran          | 5.007 | 42  | 71632  | 89.055 | ug/l   | 99 |
| 30) Chloroform               | 5.086 | 83  | 62792  | 19.474 | ug/l   | 95 |
| 31) Cyclohexane              | 5.458 | 56  | 44185  | 17.907 | ug/l   | 99 |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 53725  | 19.321 | ug/l   | 99 |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 39005  | 18.830 | ug/l   | 97 |
| 37) Ethyl Acetate            | 4.715 | 43  | 43604  | 16.958 | ug/l   | 99 |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 41358  | 17.769 | ug/l   | 93 |
| 39) Methylcyclohexane        | 7.373 | 83  | 45874  | 17.047 | ug/l   | 96 |
| 40) Benzene                  | 6.031 | 78  | 121280 | 18.797 | ug/l   | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX043980.D  
 Acq On : 25 Nov 2024 12:41  
 Operator : JC/MD  
 Sample : VX1125WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBS01

Quant Time: Nov 27 07:37:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 24395    | 18.537  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 49414    | 19.069  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 74800    | 18.280  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 29451    | 16.124  | ug/l   | 94       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 31342    | 19.833  | ug/l   | 99       |
| 46) Dibromomethane            | 7.580  | 93   | 23880    | 19.103  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 42158    | 18.804  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.696  | 41   | 34847    | 17.747  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.671  | 88   | 11205    | 320.363 | ug/l   | 95       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 230680   | 92.377  | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 73761    | 19.100  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 41513    | 18.157  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 46516    | 18.559  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 29828    | 18.711  | ug/l   | 96       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 45352    | 18.265  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 52347    | 19.493  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 104808   | 76.406  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 170135   | 90.646  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 28665    | 17.922  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 29826    | 18.503  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 23911    | 18.065  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 81986    | 18.597  | ug/l   | 97       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 27274    | 19.076  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 139010   | 18.608  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 103991   | 37.328  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 50858    | 18.698  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 83849    | 18.638  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 15846    | 15.994  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 130876   | 19.035  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 56876    | 17.857  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 45016    | 19.121  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 46534    | 23.723  | ug/l   | 84       |
| 77) Bromobenzene              | 11.195 | 156  | 31131    | 18.980  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 145673   | 18.970  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 92824    | 19.116  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 112233   | 19.841  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11075    | 15.407  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 104709   | 19.100  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 107369   | 19.150  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 111539   | 19.806  | ug/l   | 96       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 125802   | 18.313  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 108552   | 19.454  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 55631    | 18.623  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 56264    | 18.474  | ug/l   | 96       |
| 89) n-Butylbenzene            | 12.329 | 91   | 91448    | 18.588  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 15872    | 16.728  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 56883    | 18.869  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7772     | 16.475  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 30614    | 17.225  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 13180    | 18.763  | ug/l   | 93       |
| 95) Naphthalene               | 13.774 | 128  | 113362   | 17.718  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 32142    | 17.867  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX043980.D  
Acq On : 25 Nov 2024 12:41  
Operator : JC/MD  
Sample : VX1125WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

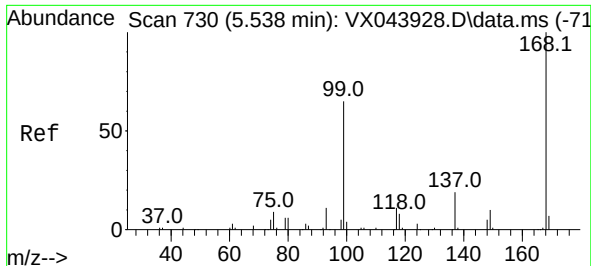
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Quant Time: Nov 27 07:37:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

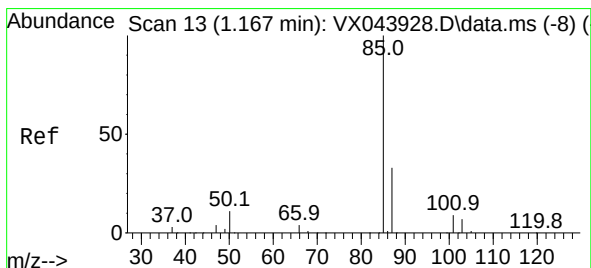
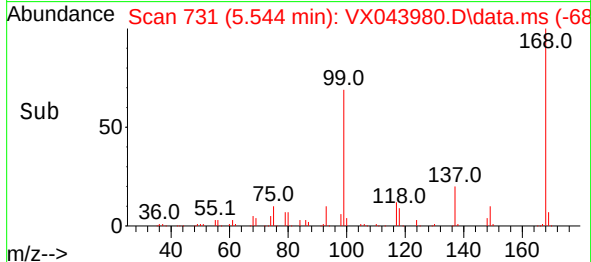
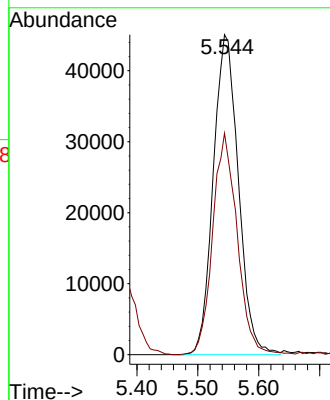
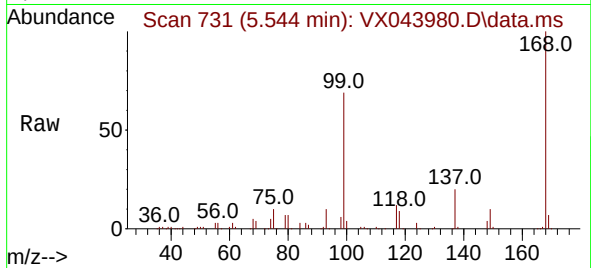




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

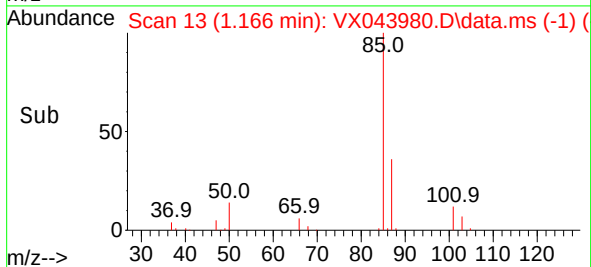
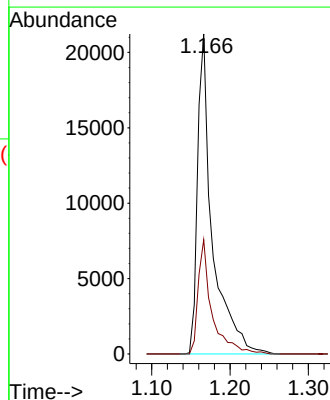
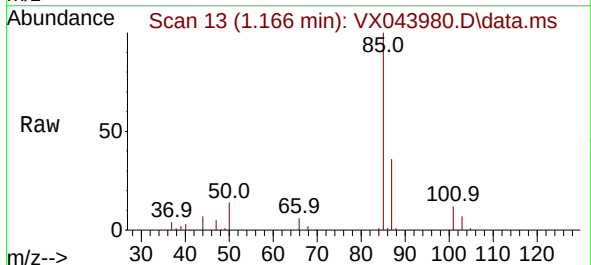
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Tgt Ion:168 Resp: 129078  
Ion Ratio Lower Upper  
168 100  
99 69.2 51.8 77.8

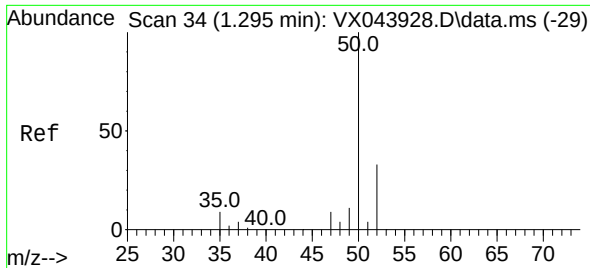


#2  
Dichlorodifluoromethane  
Concen: 17.036 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 85 Resp: 27858  
Ion Ratio Lower Upper  
85 100  
87 35.7 16.6 49.8



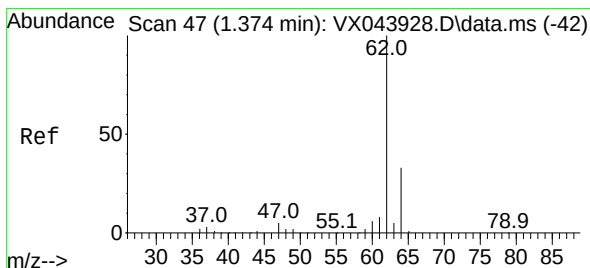
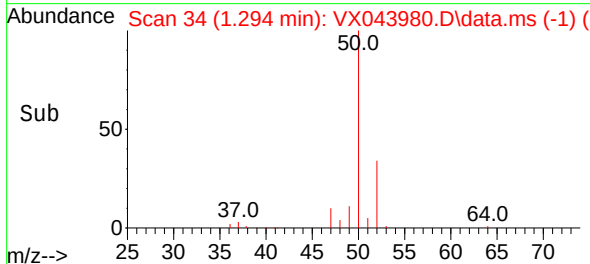
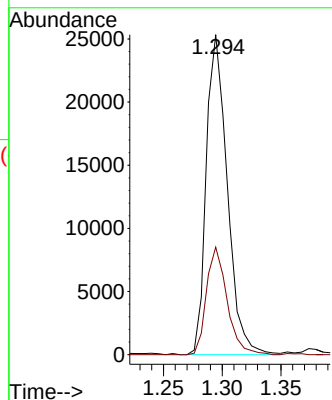
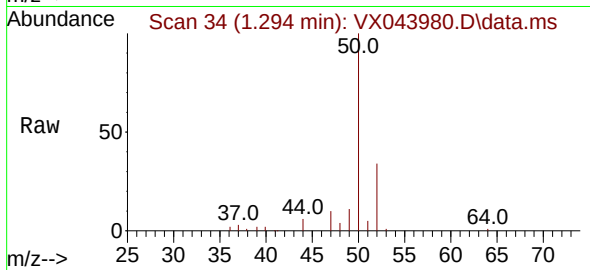




#3  
Chloromethane  
Concen: 18.297 ug/l  
RT: 1.294 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

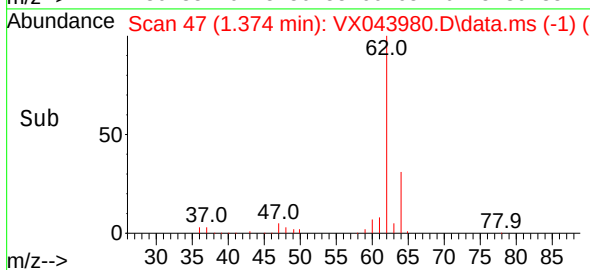
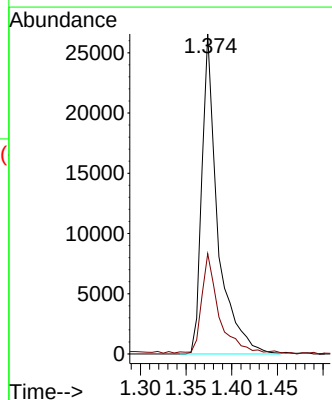
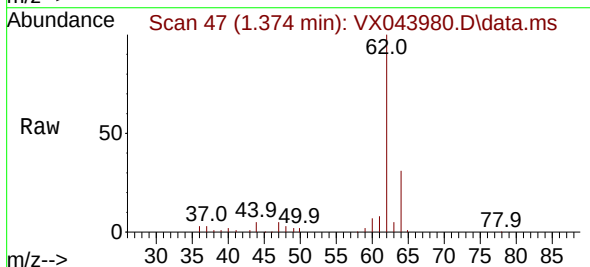
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

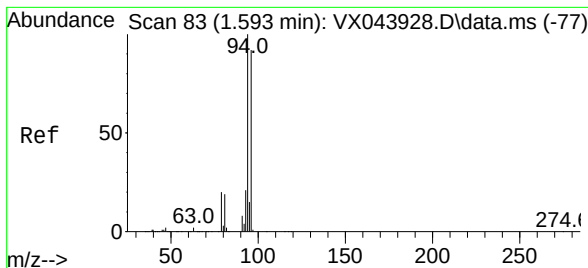
Tgt Ion: 50 Resp: 31484  
Ion Ratio Lower Upper  
50 100  
52 33.6 26.1 39.1



#4  
Vinyl Chloride  
Concen: 17.520 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 62 Resp: 32067  
Ion Ratio Lower Upper  
62 100  
64 30.9 26.2 39.4





#5

Bromomethane

Concen: 20.571 ug/l

RT: 1.593 min Scan# 84

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

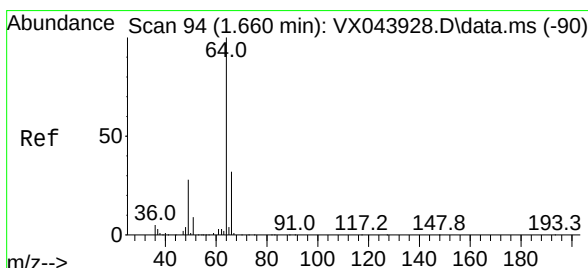
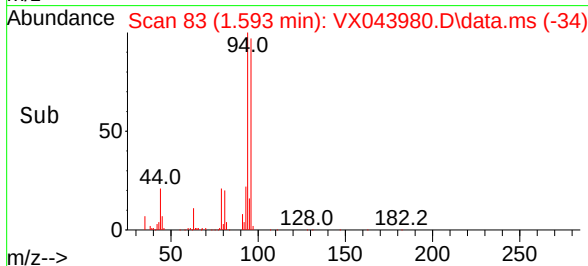
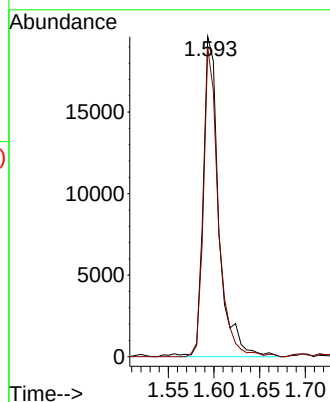
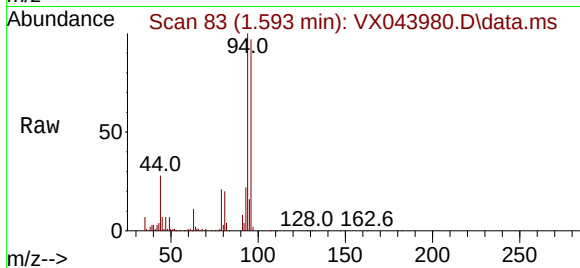
VX1125WBS01

Tgt Ion: 94 Resp: 23162

Ion Ratio Lower Upper

94 100

96 96.5 73.9 110.9



#6

Chloroethane

Concen: 19.423 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX043980.D

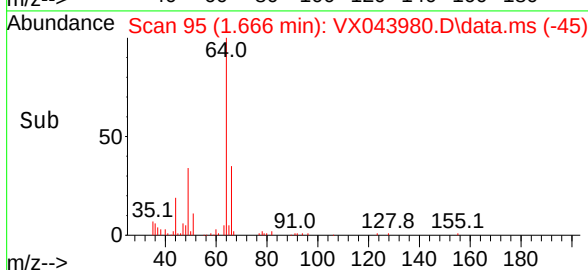
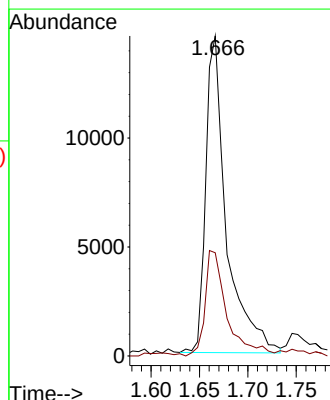
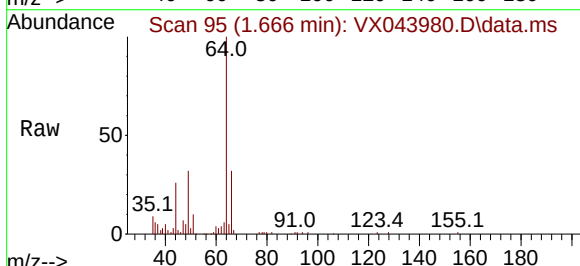
Acq: 25 Nov 2024 12:41

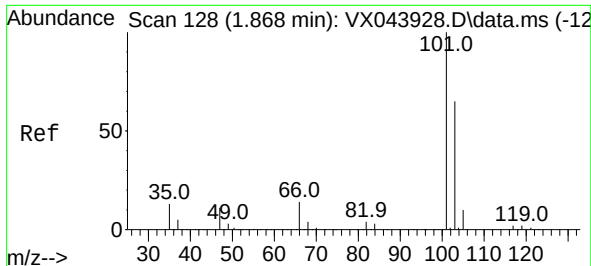
Tgt Ion: 64 Resp: 21661

Ion Ratio Lower Upper

64 100

66 31.9 25.9 38.9

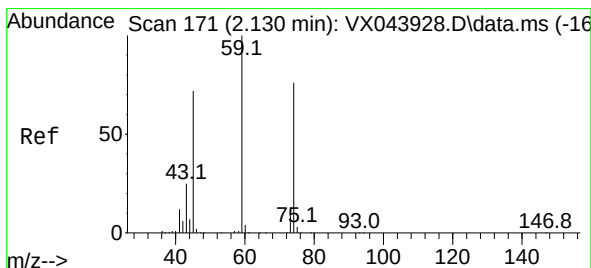
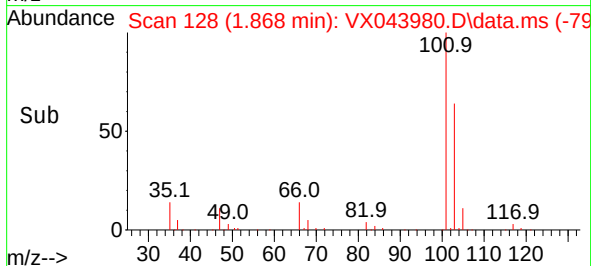
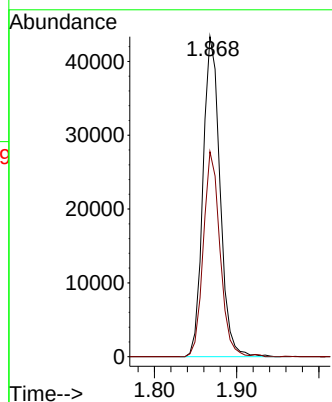
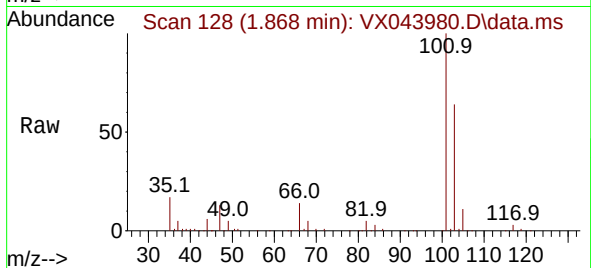




#7  
 Trichlorofluoromethane  
 Concen: 19.027 ug/l  
 RT: 1.868 min Scan# 171  
 Delta R.T. -0.000 min  
 Lab File: VX043980.D  
 Acq: 25 Nov 2024 12:41

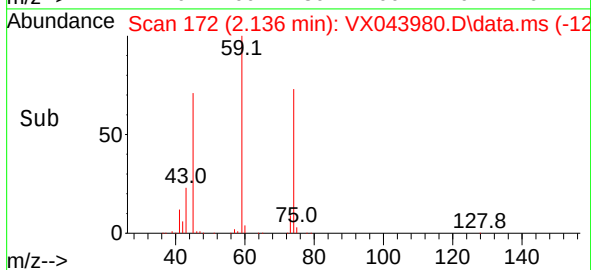
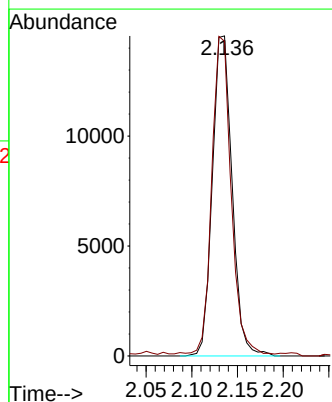
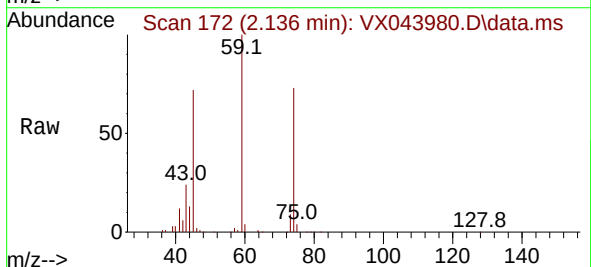
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBS01

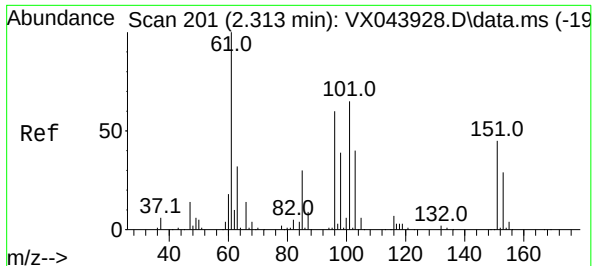
Tgt Ion:101 Resp: 62260  
 Ion Ratio Lower Upper  
 101 100  
 103 64.1 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 18.287 ug/l  
 RT: 2.136 min Scan# 172  
 Delta R.T. 0.006 min  
 Lab File: VX043980.D  
 Acq: 25 Nov 2024 12:41

Tgt Ion: 74 Resp: 21810  
 Ion Ratio Lower Upper  
 74 100  
 45 96.5 47.9 143.6

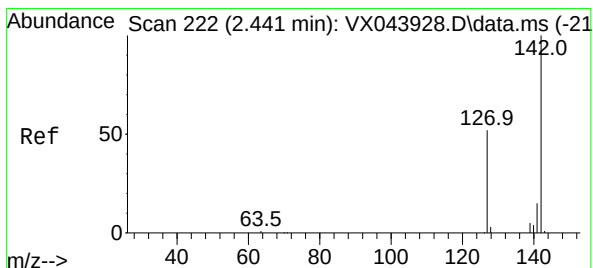
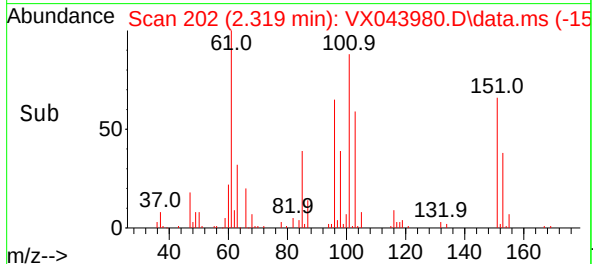
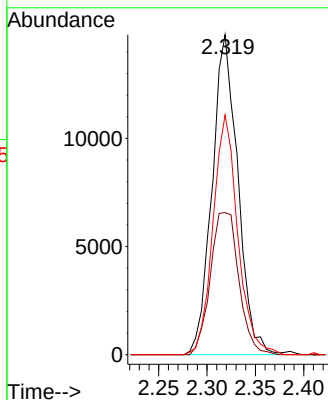
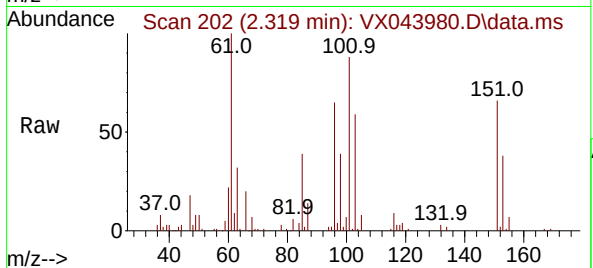




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 17.549 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

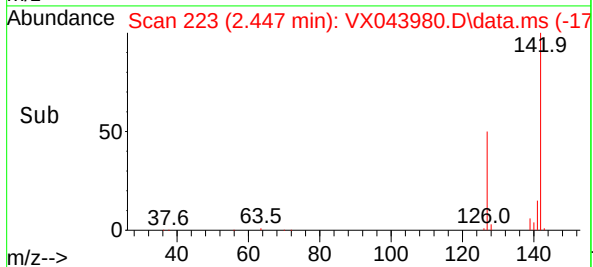
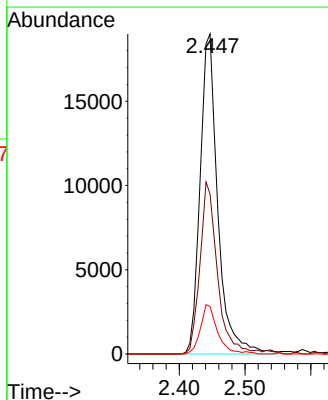
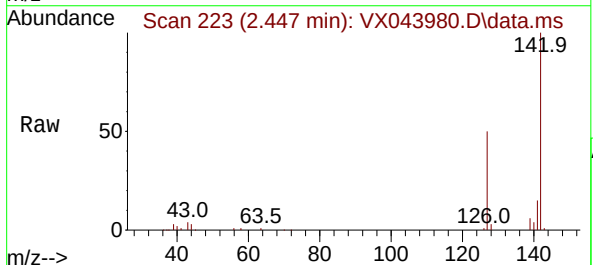
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

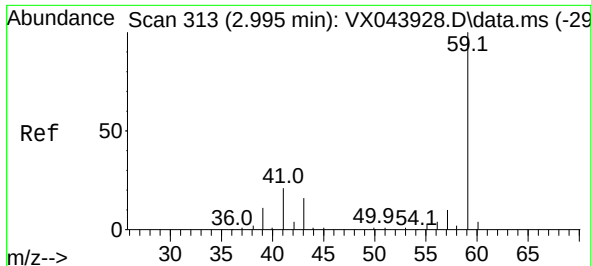
Tgt Ion:101 Resp: 27391  
Ion Ratio Lower Upper  
101 100  
85 49.0 37.9 56.9  
151 72.1 57.5 86.3



#10  
Methyl Iodide  
Concen: 18.224 ug/l  
RT: 2.447 min Scan# 223  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion:142 Resp: 35527  
Ion Ratio Lower Upper  
142 100  
127 52.9 40.7 61.1  
141 14.9 12.0 18.0

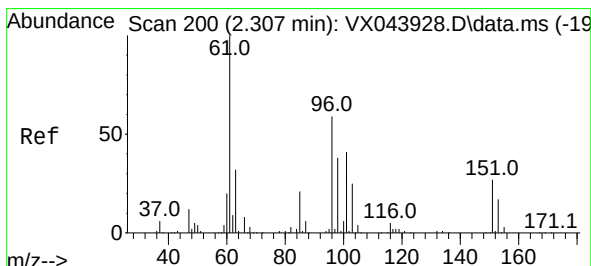
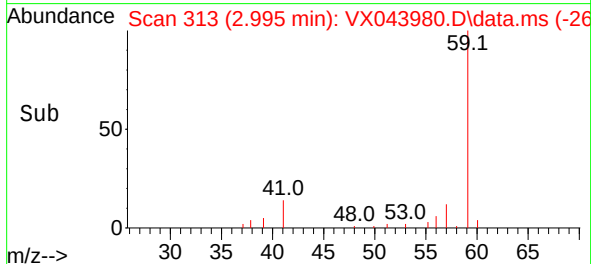
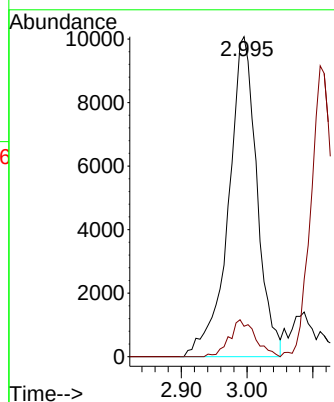
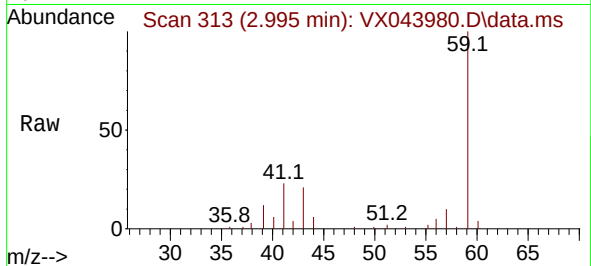




#11  
Tert butyl alcohol  
Concen: 85.282 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

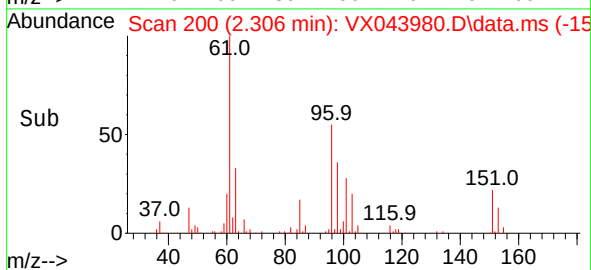
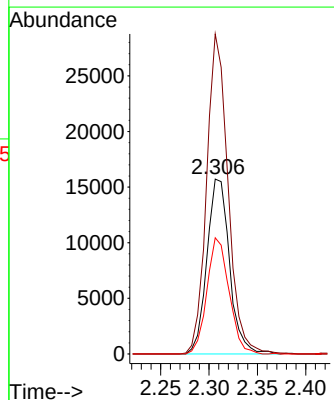
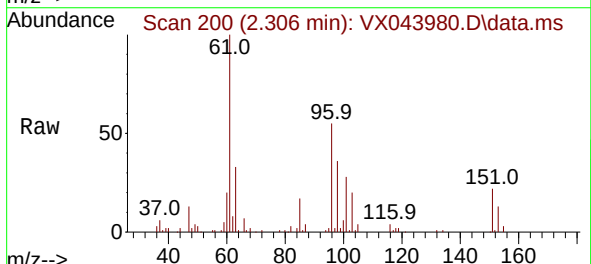
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

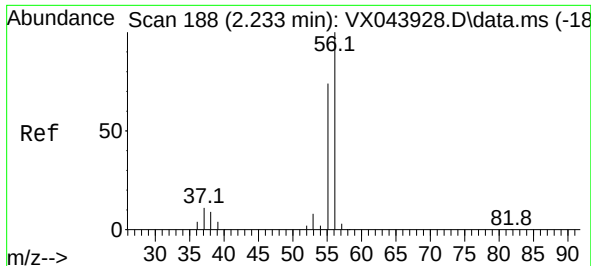
Tgt Ion: 59 Resp: 30305  
Ion Ratio Lower Upper  
59 100  
57 10.5 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 17.236 ug/l  
RT: 2.306 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 96 Resp: 25636  
Ion Ratio Lower Upper  
96 100  
61 182.9 135.5 203.3  
98 66.4 50.8 76.2

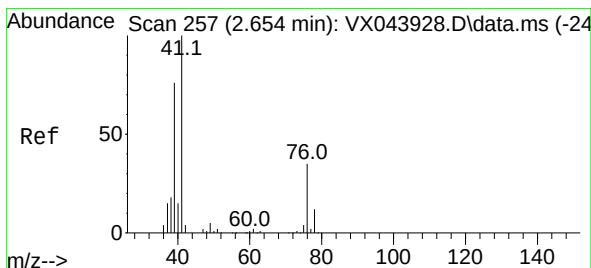
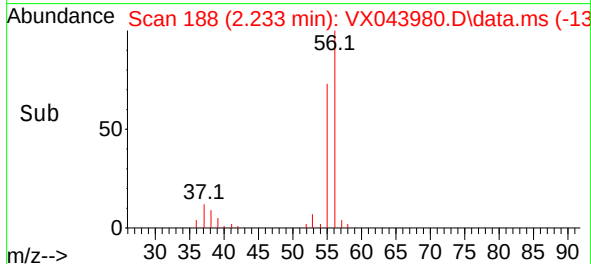
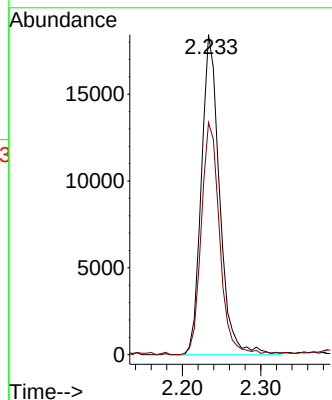
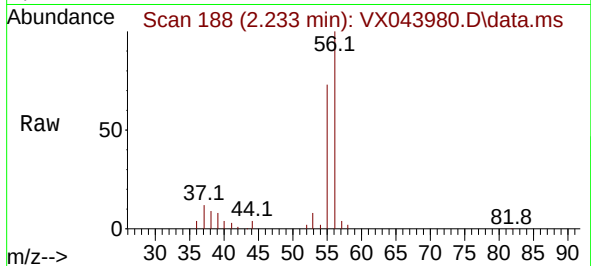




#13  
Acrolein  
Concen: 79.545 ug/l  
RT: 2.233 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

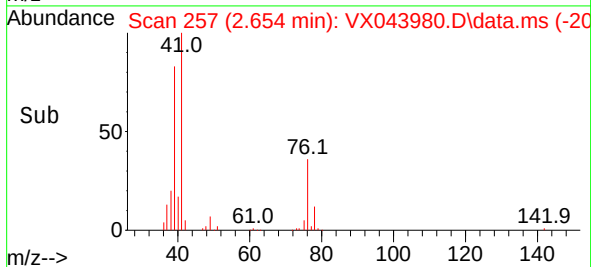
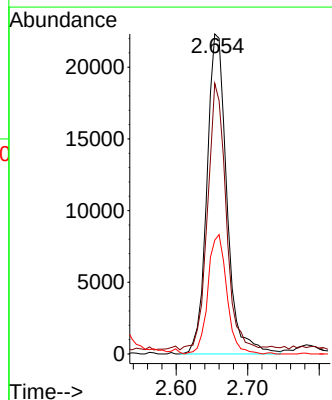
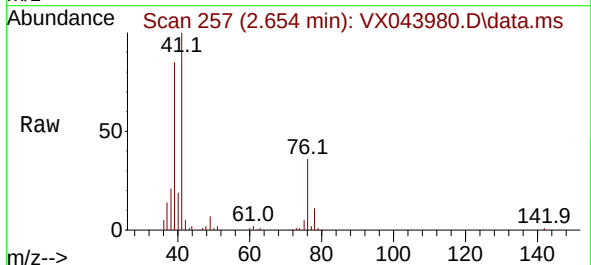
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

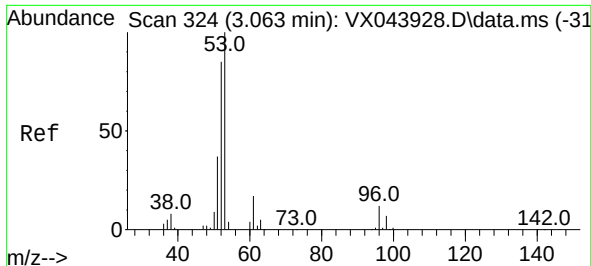
Tgt Ion: 56 Resp: 29794  
Ion Ratio Lower Upper  
56 100  
55 73.7 58.2 87.2



#14  
Allyl chloride  
Concen: 17.842 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 43363  
Ion Ratio Lower Upper  
41 100  
39 77.0 59.5 89.3  
76 35.1 27.4 41.2





#15

Acrylonitrile

Concen: 90.547 ug/l

RT: 3.062 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

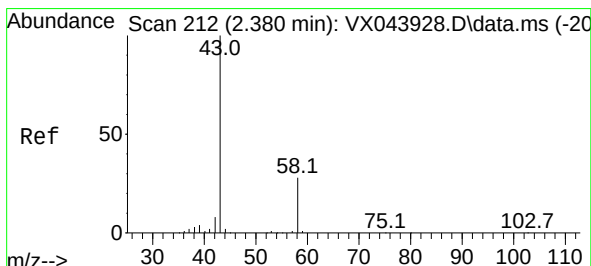
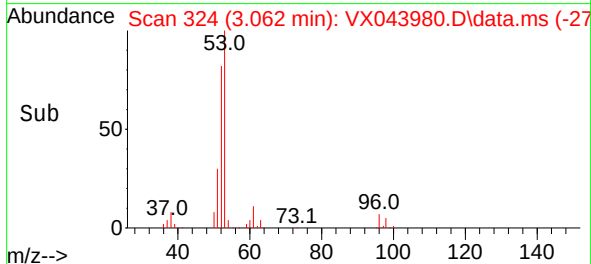
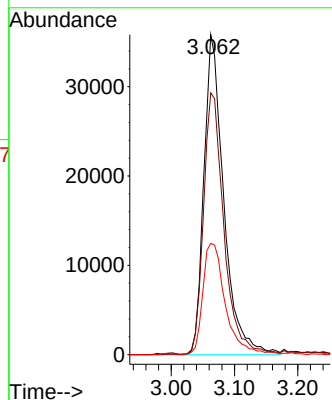
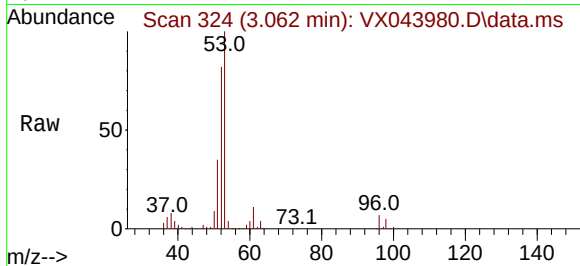
Tgt Ion: 53 Resp: 78411

Ion Ratio Lower Upper

53 100

52 84.0 66.5 99.7

51 38.5 30.2 45.4



#16

Acetone

Concen: 87.837 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX043980.D

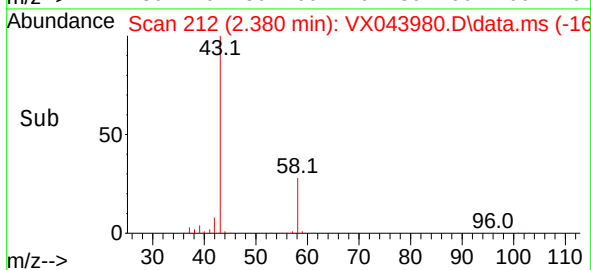
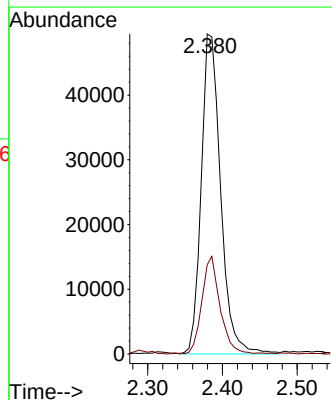
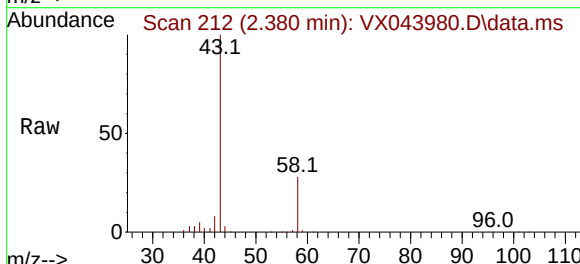
Acq: 25 Nov 2024 12:41

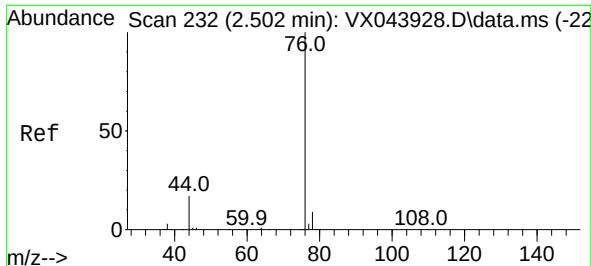
Tgt Ion: 43 Resp: 89315

Ion Ratio Lower Upper

43 100

58 27.6 22.7 34.1

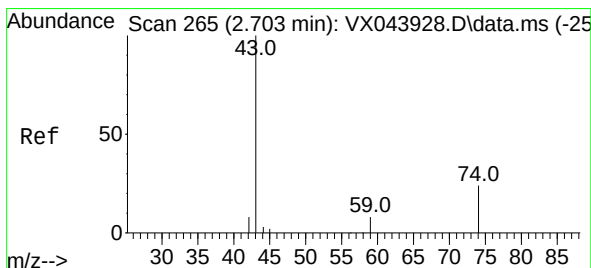
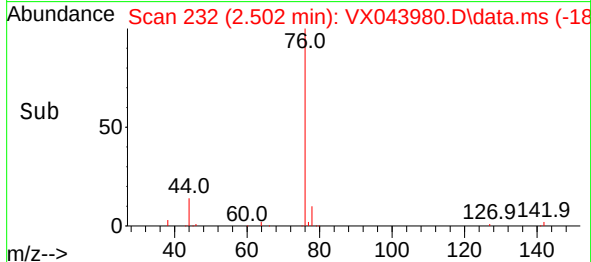
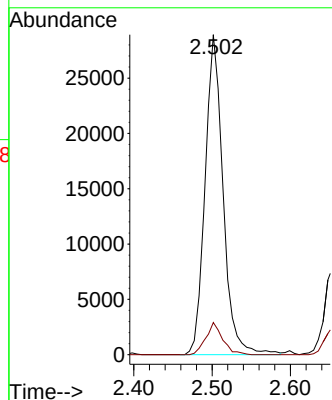
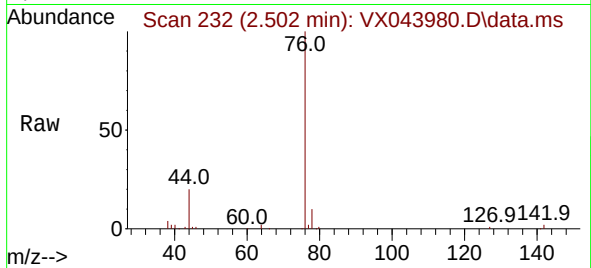




#17  
Carbon Disulfide  
Concen: 15.048 ug/l  
RT: 2.502 min Scan# 241  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

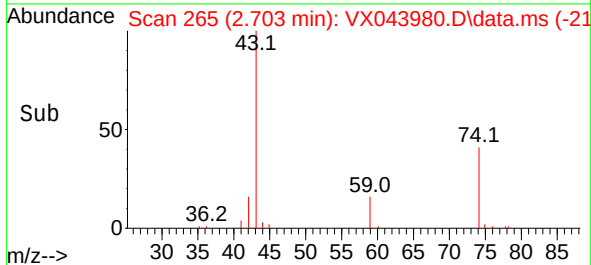
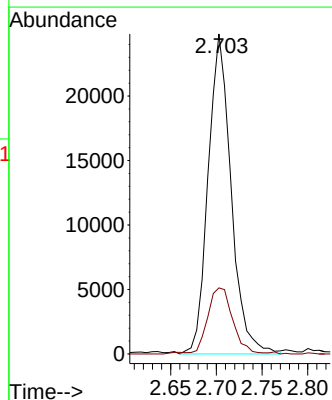
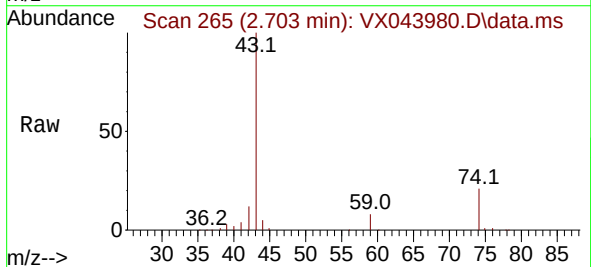
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Tgt Ion: 76 Resp: 46168  
Ion Ratio Lower Upper  
76 100  
78 10.1 7.0 10.6

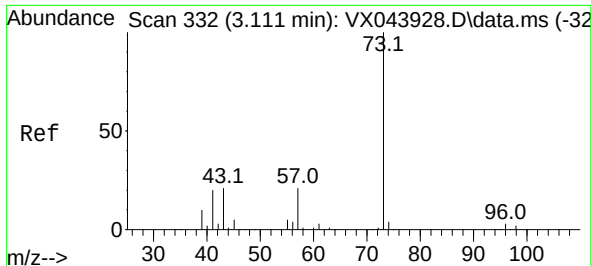


#18  
Methyl Acetate  
Concen: 18.308 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 43353  
Ion Ratio Lower Upper  
43 100  
74 23.0 18.9 28.3







#19

Methyl tert-butyl Ether

Concen: 18.961 ug/l

RT: 3.111 min Scan# 332

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

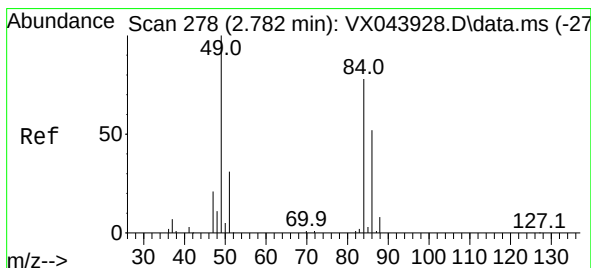
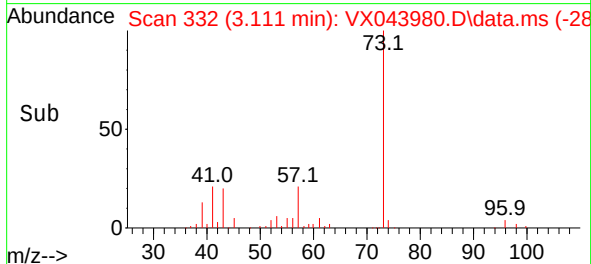
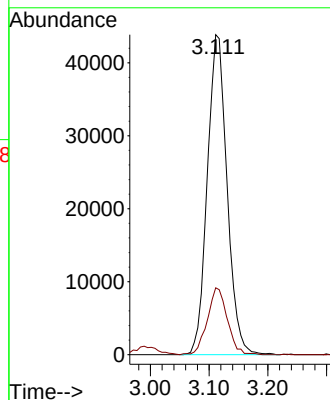
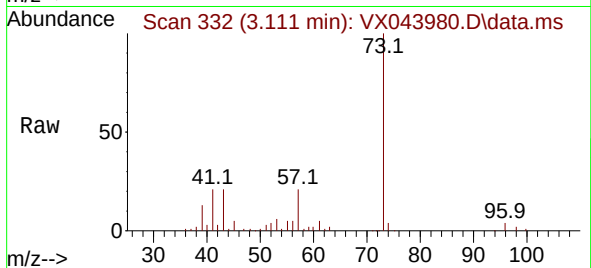
VX1125WBS01

Tgt Ion: 73 Resp: 102397

Ion Ratio Lower Upper

73 100

57 20.9 17.0 25.6



#20

Methylene Chloride

Concen: 17.791 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Tgt Ion: 84 Resp: 30699

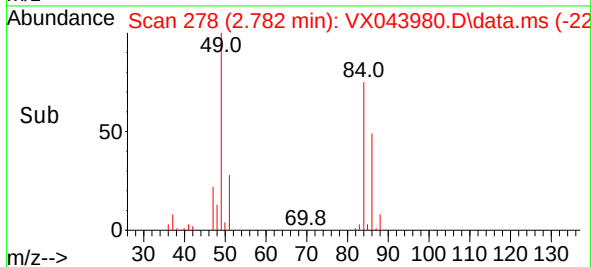
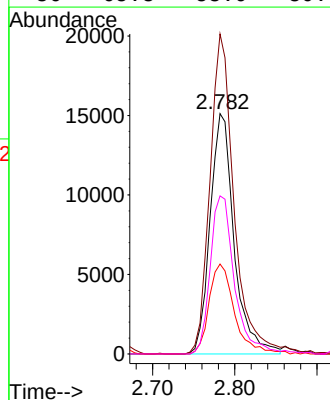
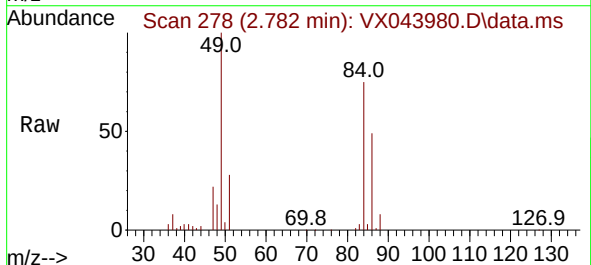
Ion Ratio Lower Upper

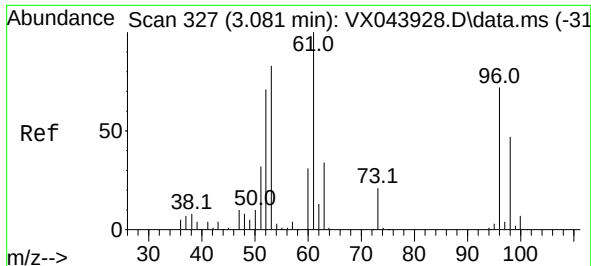
84 100

49 133.2 102.7 154.1

51 37.4 31.7 47.5

86 65.8 53.9 80.9

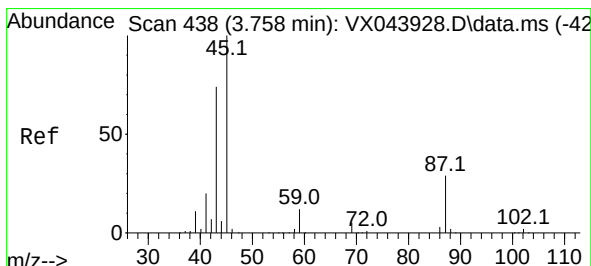
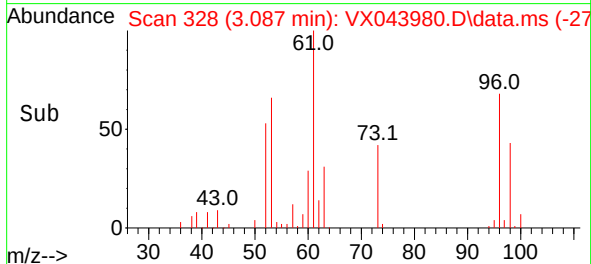
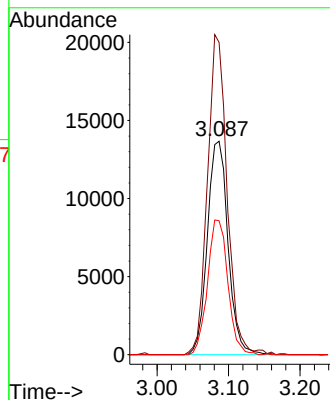
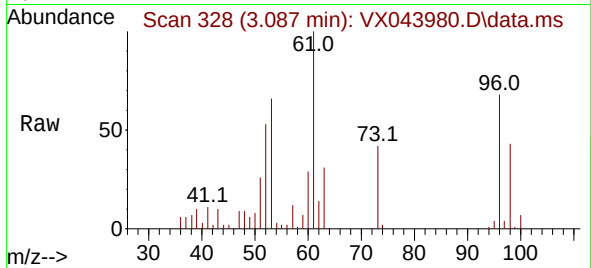




#21  
trans-1,2-Dichloroethene  
Concen: 17.893 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

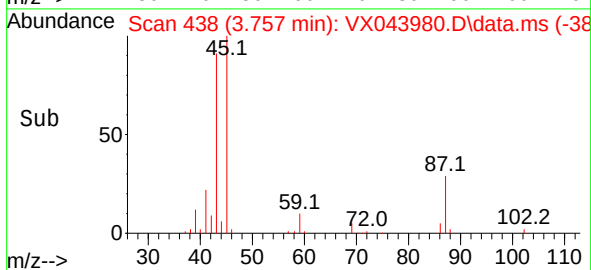
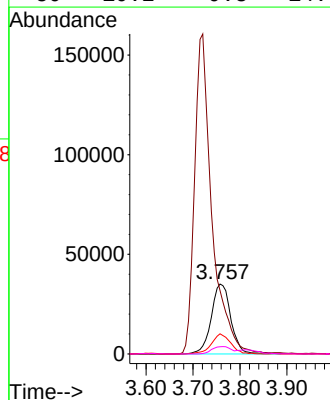
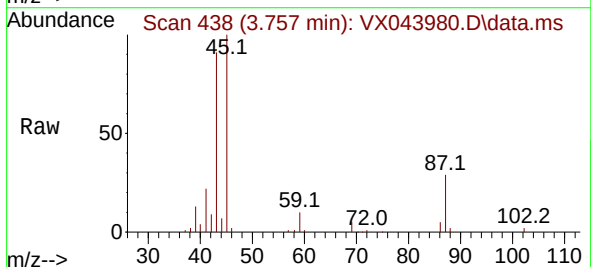
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

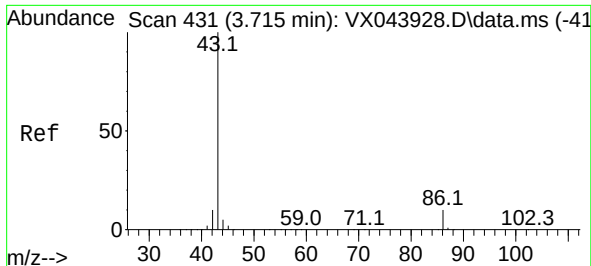
Tgt Ion: 96 Resp: 27476  
Ion Ratio Lower Upper  
96 100  
61 146.3 111.8 167.6  
98 62.8 52.7 79.1



#22  
Diisopropyl ether  
Concen: 19.474 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 45 Resp: 101204  
Ion Ratio Lower Upper  
45 100  
43 90.3 59.6 89.4#  
87 28.8 22.9 34.3  
59 10.2 9.8 14.6

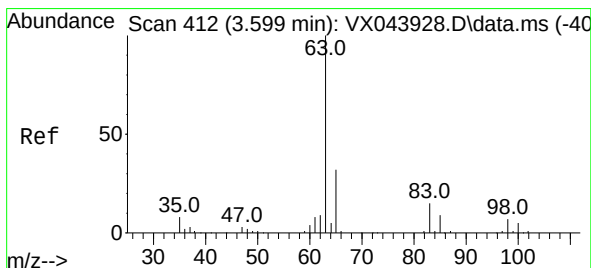
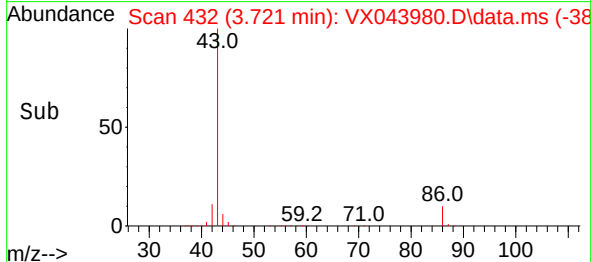
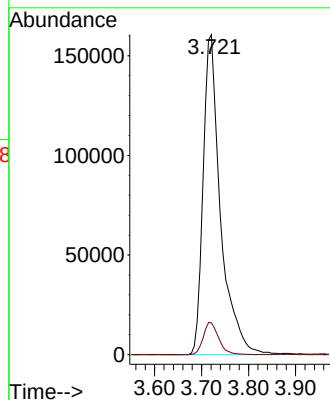
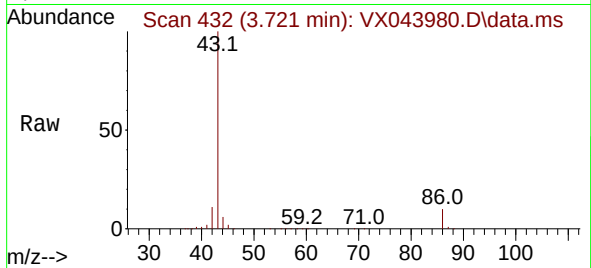




#23  
 Vinyl Acetate  
 Concen: 92.903 ug/l  
 RT: 3.721 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX043980.D  
 Acq: 25 Nov 2024 12:41

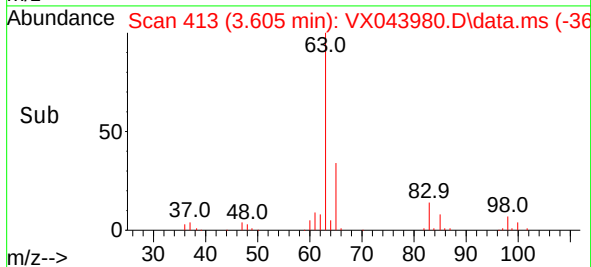
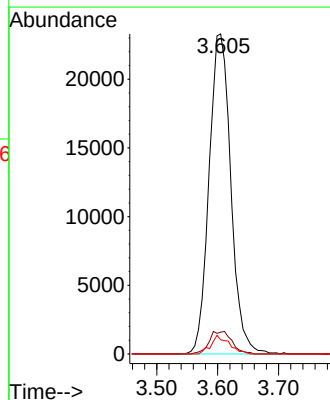
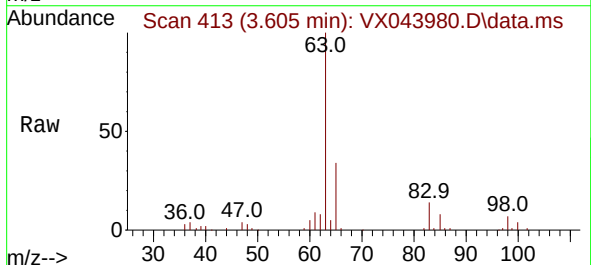
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1125WBS01

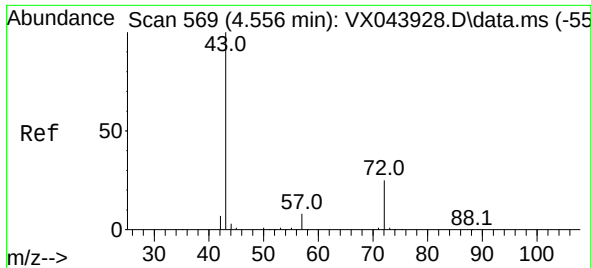
Tgt Ion: 43 Resp: 413005  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 19.291 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX043980.D  
 Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 57833  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.5 10.6  
 100 4.5 2.4 7.1

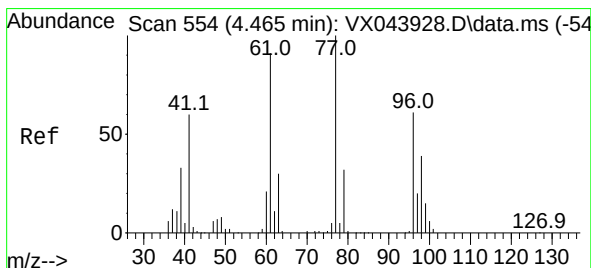
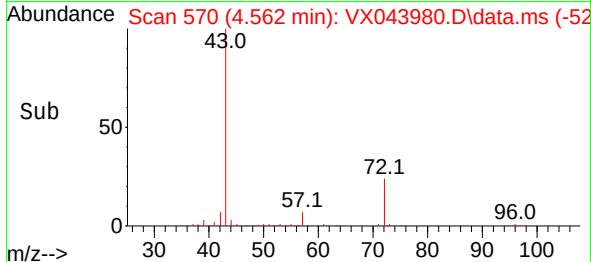
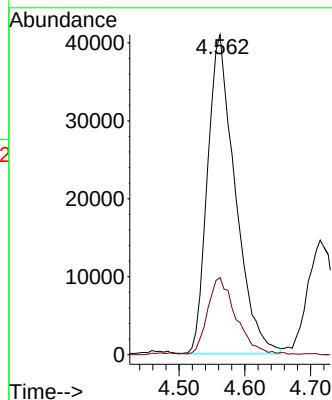
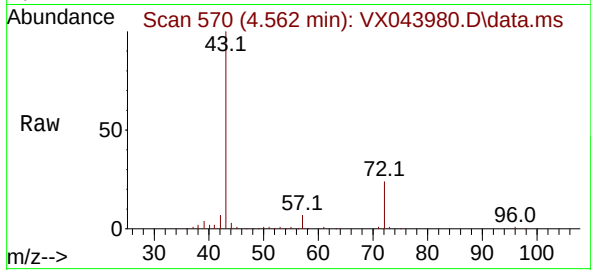




#25  
2-Butanone  
Concen: 91.330 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

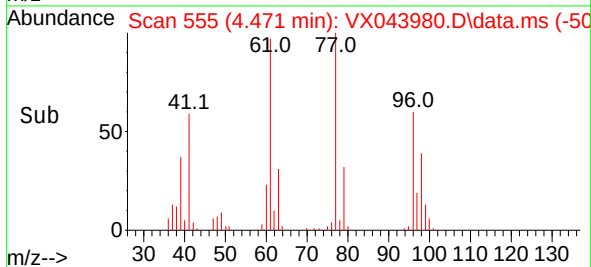
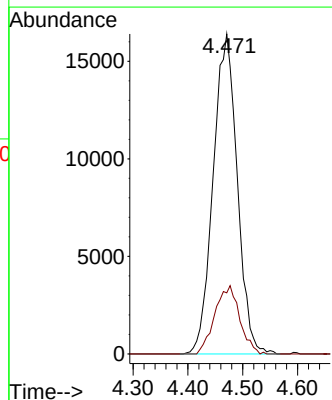
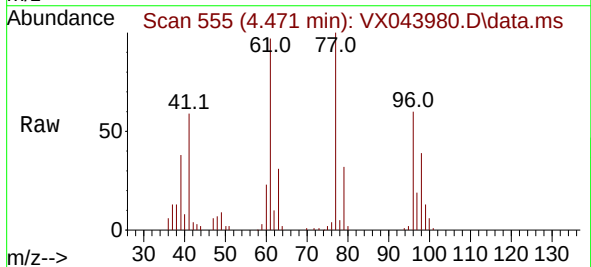
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

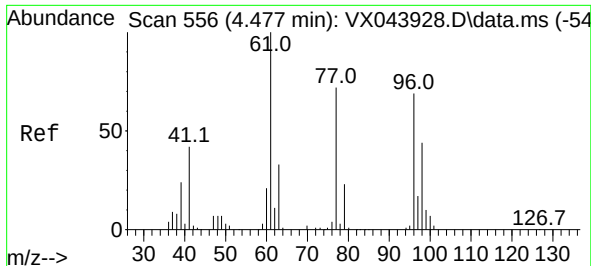
Tgt Ion: 43 Resp: 119828  
Ion Ratio Lower Upper  
43 100  
72 23.7 20.2 30.2



#26  
2,2-Dichloropropane  
Concen: 18.480 ug/l  
RT: 4.471 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 77 Resp: 50034  
Ion Ratio Lower Upper  
77 100  
97 21.9 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 18.672 ug/l

RT: 4.483 min Scan# 556

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

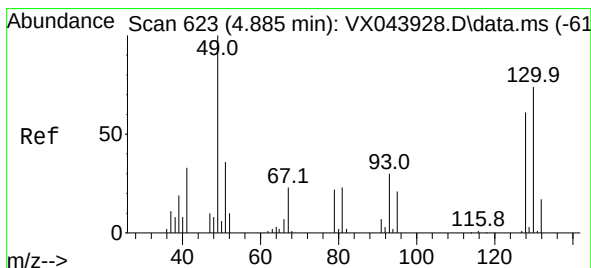
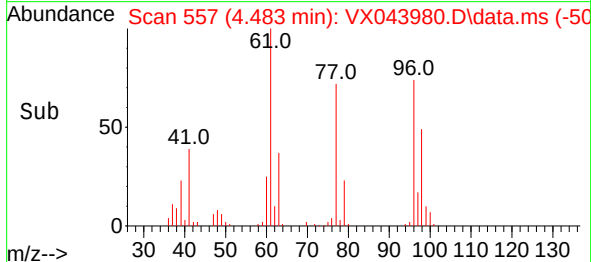
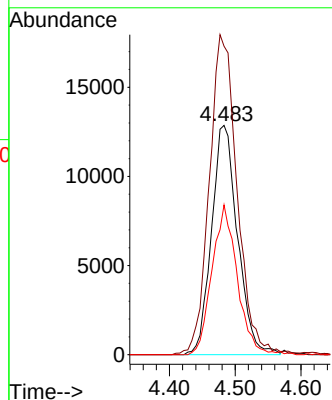
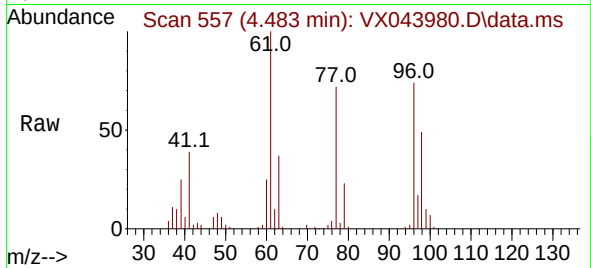
Tgt Ion: 96 Resp: 35442

Ion Ratio Lower Upper

96 100

61 149.4 0.0 297.4

98 63.4 0.0 127.8



#28

Bromochloromethane

Concen: 21.335 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

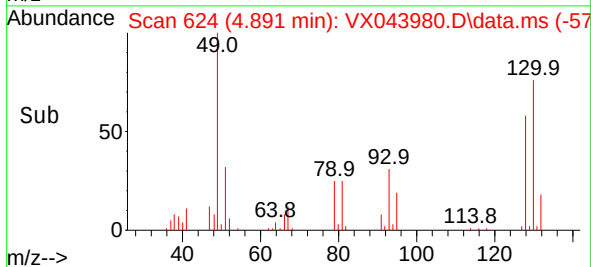
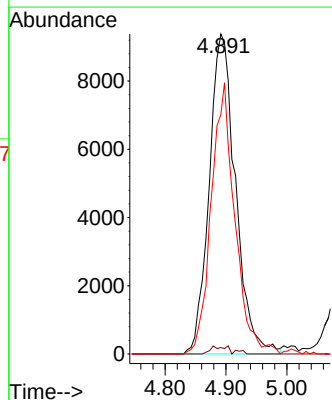
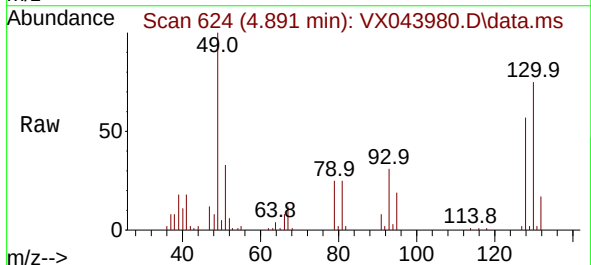
Tgt Ion: 49 Resp: 28155

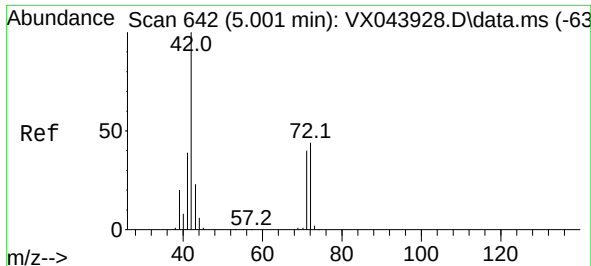
Ion Ratio Lower Upper

49 100

129 1.7 0.0 4.0

130 76.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 89.055 ug/l

RT: 5.007 min Scan# 642

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

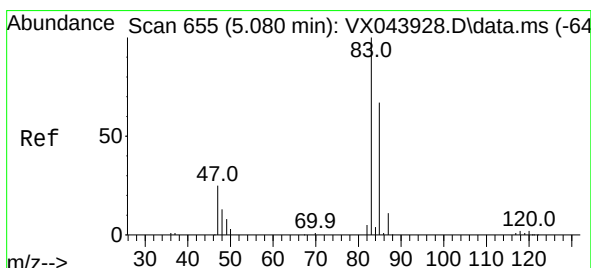
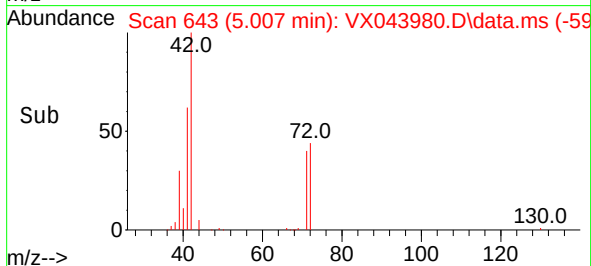
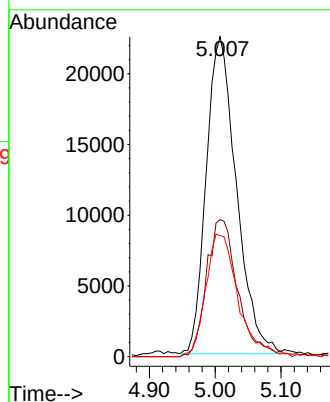
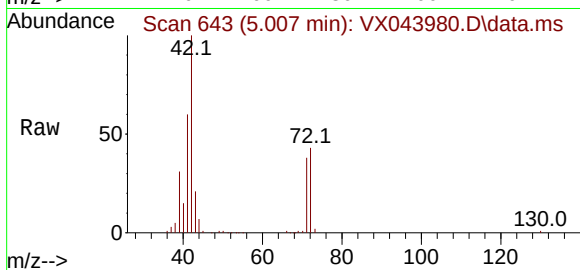
Tgt Ion: 42 Resp: 71632

Ion Ratio Lower Upper

42 100

72 45.2 36.4 54.6

71 41.2 33.4 50.0



#30

Chloroform

Concen: 19.474 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX043980.D

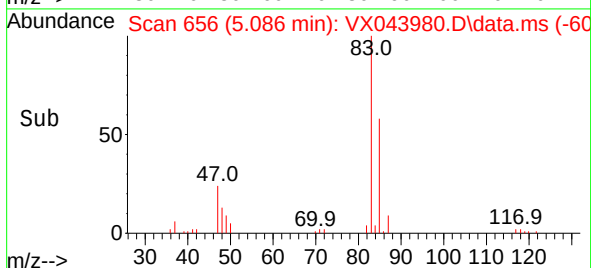
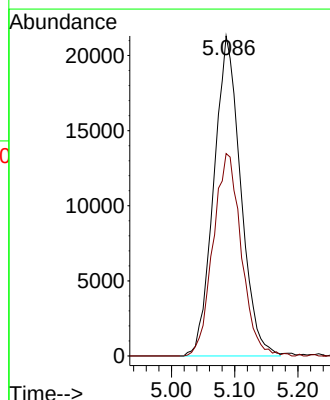
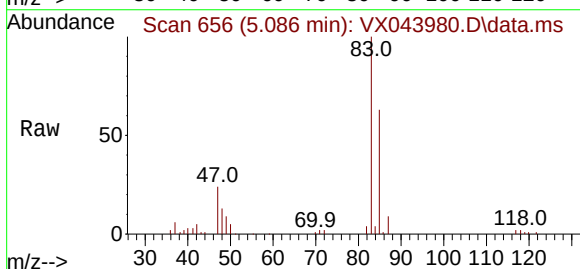
Acq: 25 Nov 2024 12:41

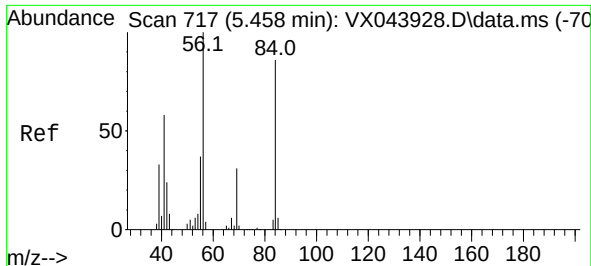
Tgt Ion: 83 Resp: 62792

Ion Ratio Lower Upper

83 100

85 63.2 53.5 80.3

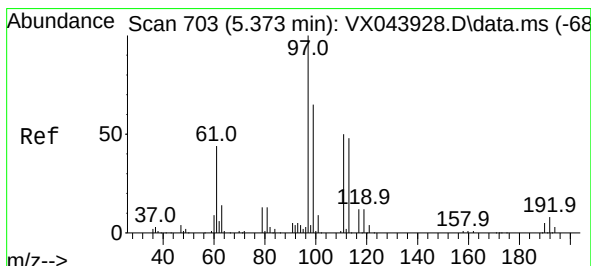
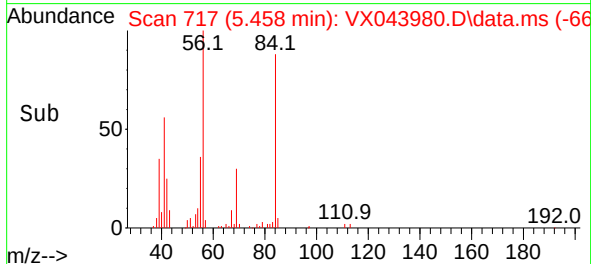
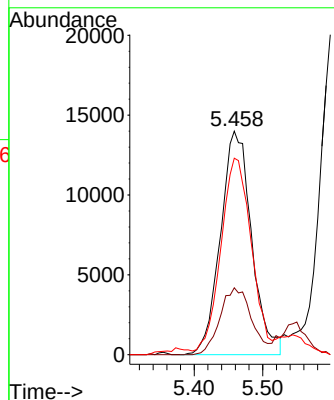
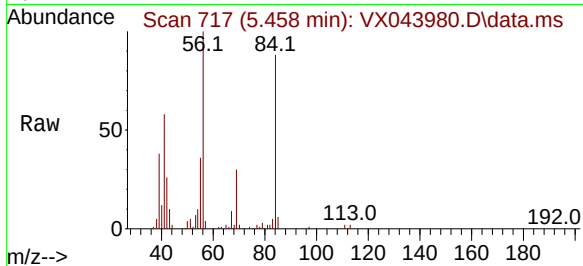




#31  
Cyclohexane  
Concen: 17.907 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

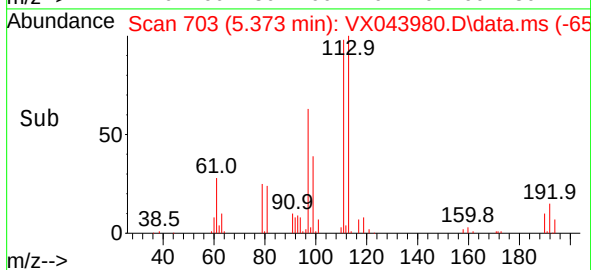
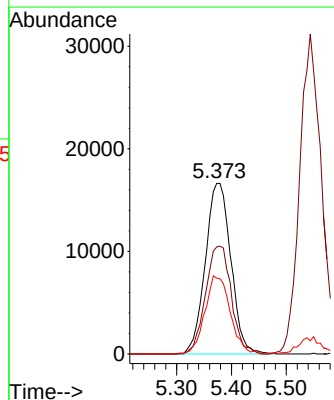
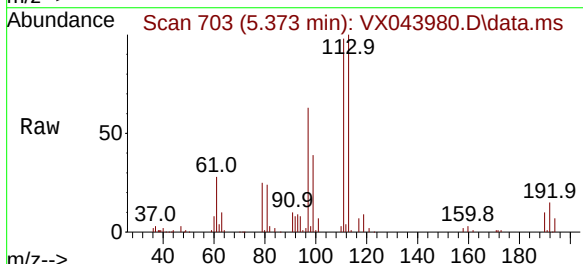
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

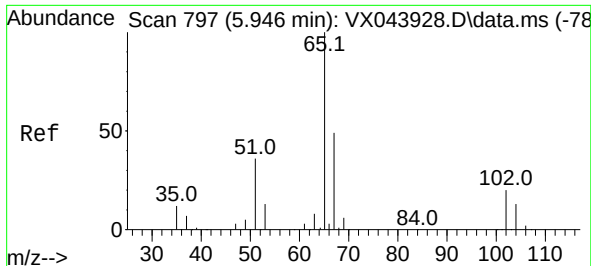
Tgt Ion: 56 Resp: 44185  
Ion Ratio Lower Upper  
56 100  
69 29.9 24.7 37.1  
84 85.4 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 19.321 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 97 Resp: 53725  
Ion Ratio Lower Upper  
97 100  
99 63.8 50.8 76.2  
61 45.3 35.4 53.2

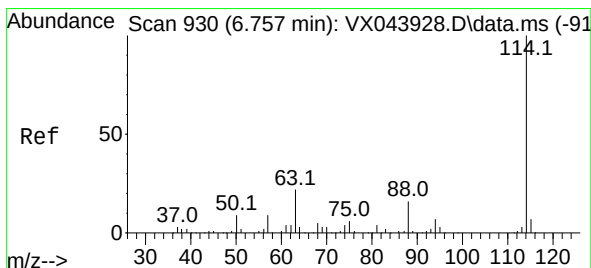
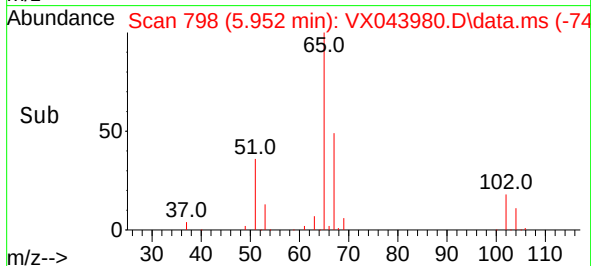
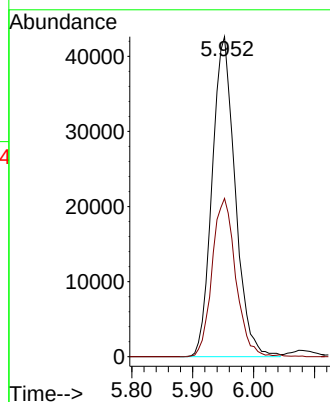
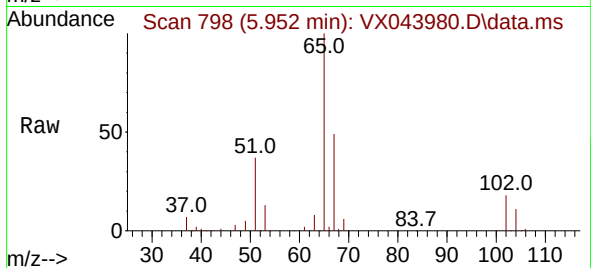




#33  
1,2-Dichloroethane-d4  
Concen: 50.577 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

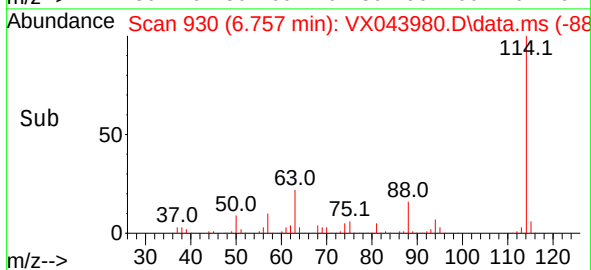
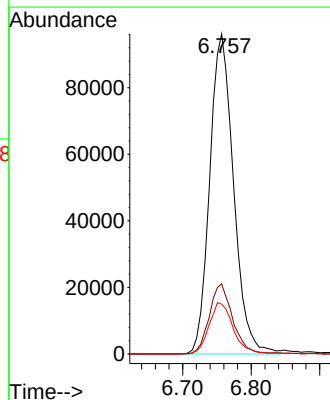
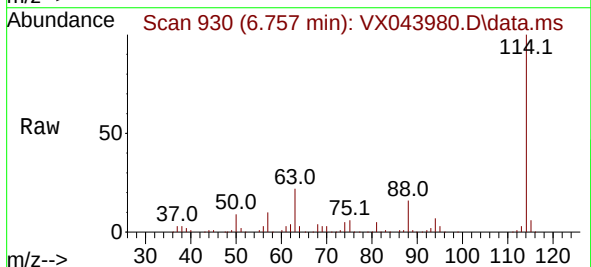
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Tgt Ion: 65 Resp: 111972  
Ion Ratio Lower Upper  
65 100  
67 50.4 0.0 100.8

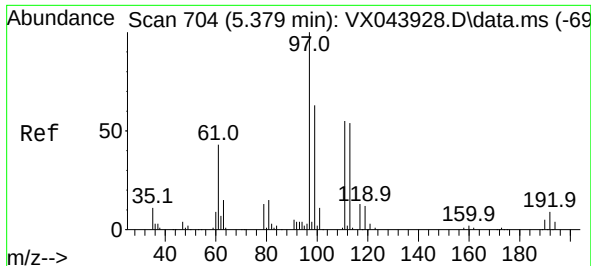


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 114 Resp: 232630  
Ion Ratio Lower Upper  
114 100  
63 21.9 0.0 44.0  
88 15.6 0.0 32.4







#35

Dibromofluoromethane

Concen: 49.406 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

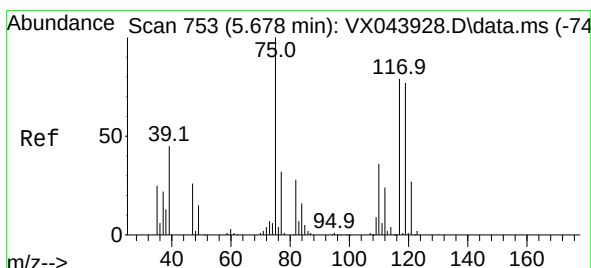
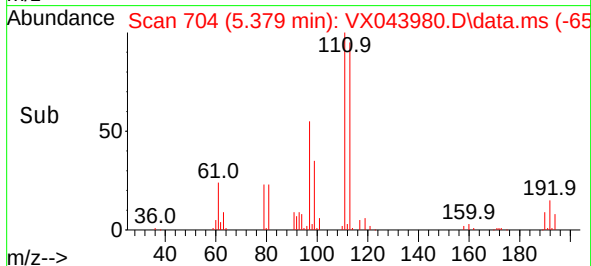
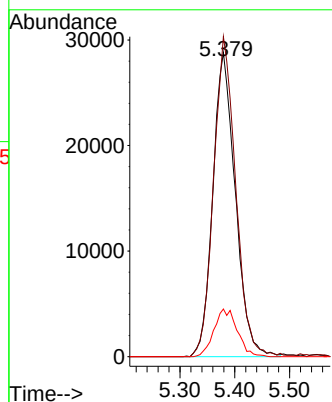
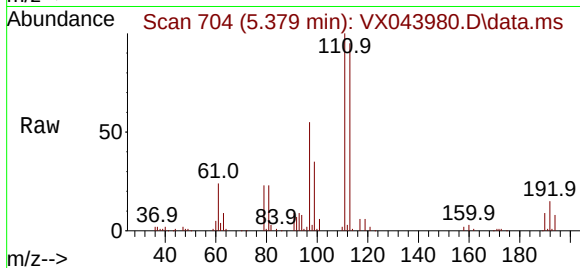
Tgt Ion:113 Resp: 82126

Ion Ratio Lower Upper

113 100

111 103.8 81.0 121.4

192 16.3 13.0 19.6



#36

1,1-Dichloropropene

Concen: 18.830 ug/l

RT: 5.690 min Scan# 755

Delta R.T. 0.012 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

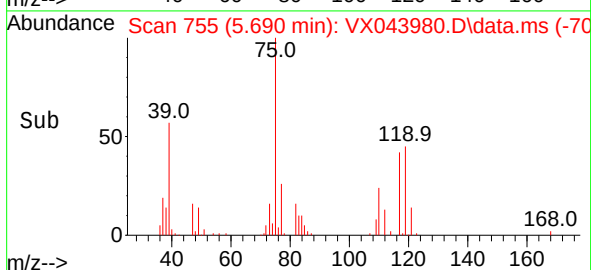
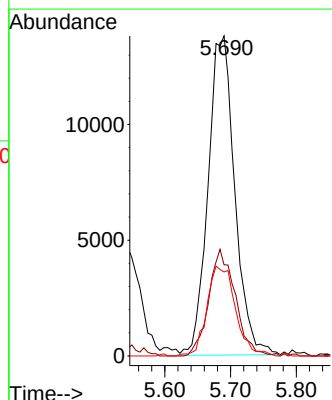
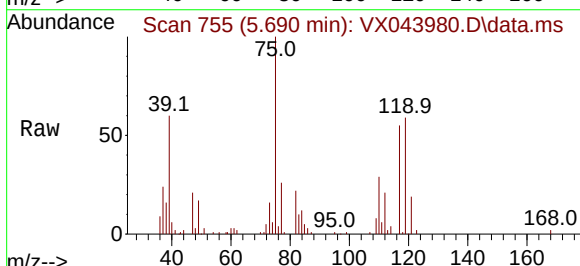
Tgt Ion: 75 Resp: 39005

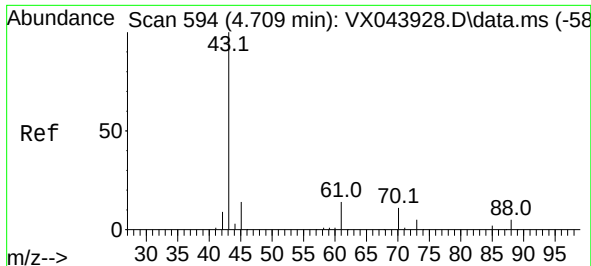
Ion Ratio Lower Upper

75 100

110 33.2 17.4 52.2

77 30.0 25.8 38.8





#37

Ethyl Acetate

Concen: 16.958 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

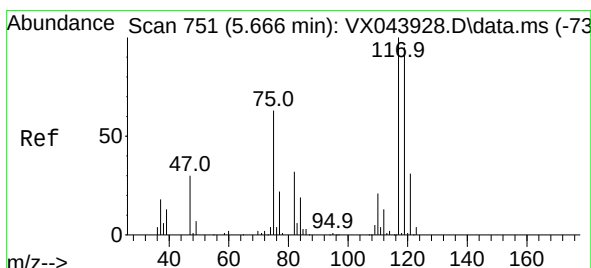
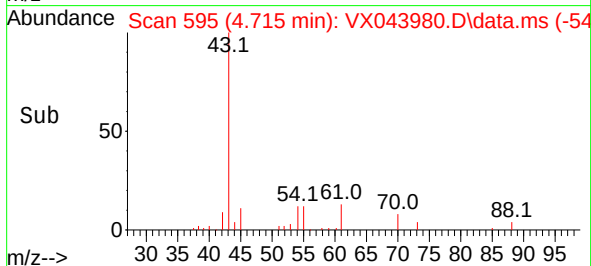
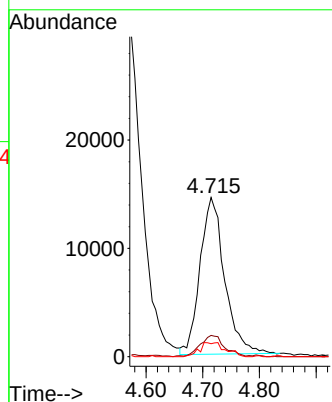
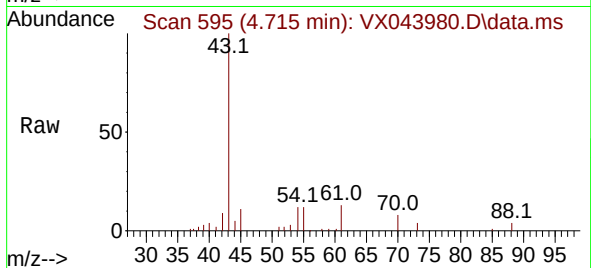
Tgt Ion: 43 Resp: 43604

Ion Ratio Lower Upper

43 100

61 13.5 10.7 16.1

70 9.4 8.0 12.0



#38

Carbon Tetrachloride

Concen: 17.769 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

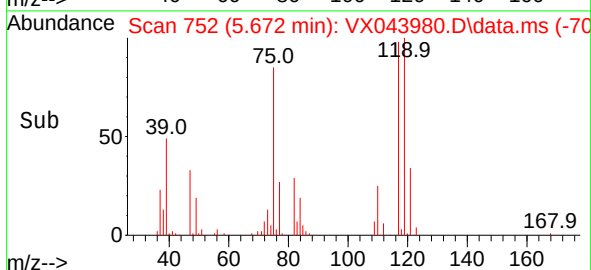
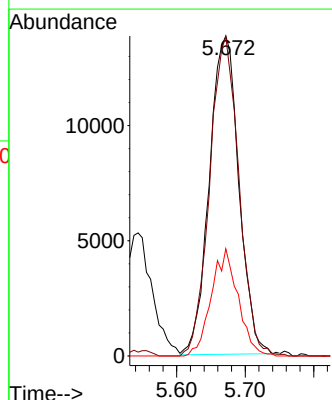
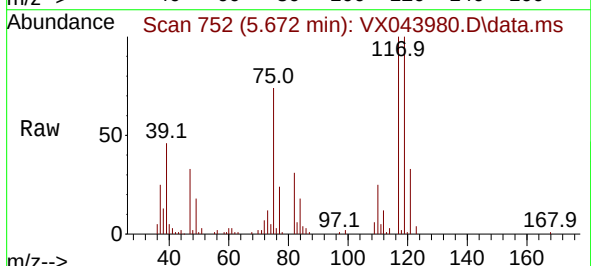
Tgt Ion: 117 Resp: 41358

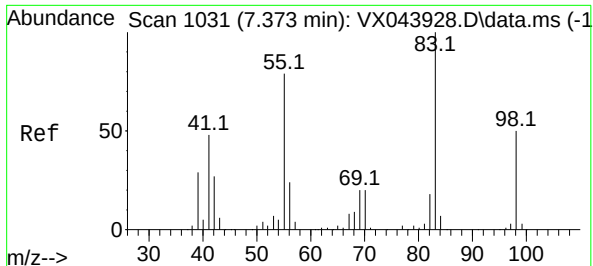
Ion Ratio Lower Upper

117 100

119 100.6 75.2 112.8

121 33.7 24.5 36.7





#39

Methylcyclohexane

Concen: 17.047 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

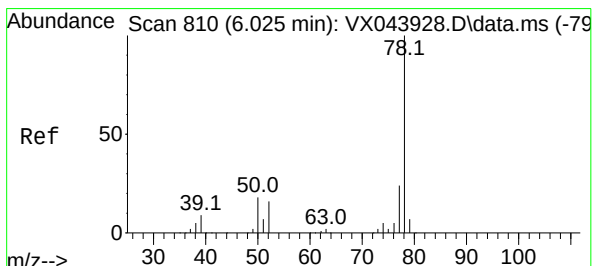
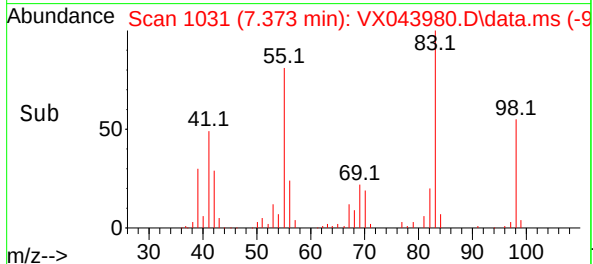
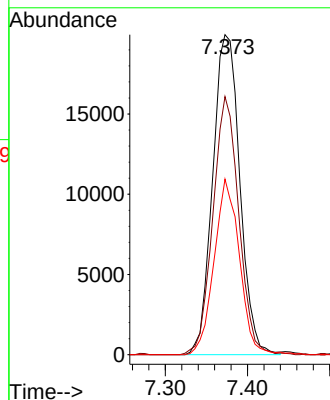
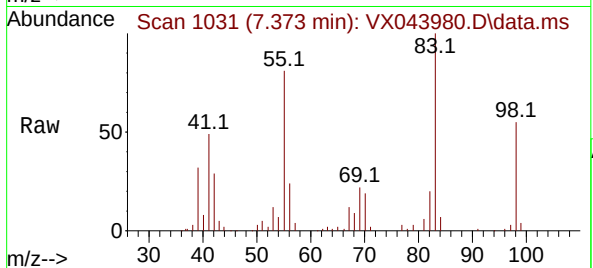
Tgt Ion: 83 Resp: 45874

Ion Ratio Lower Upper

83 100

55 80.7 63.1 94.7

98 54.9 40.0 60.0



#40

Benzene

Concen: 18.797 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX043980.D

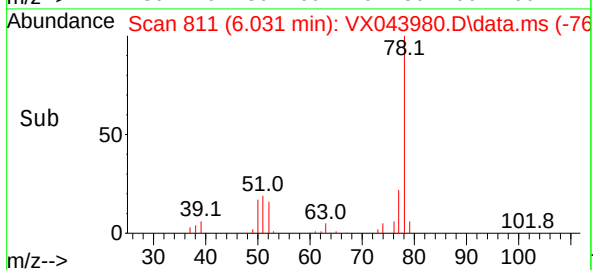
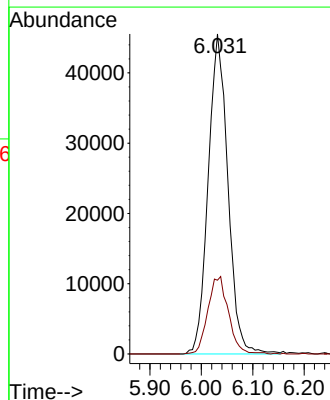
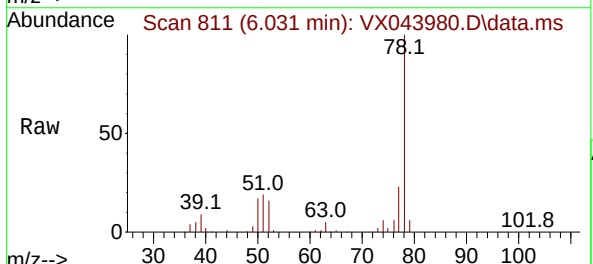
Acq: 25 Nov 2024 12:41

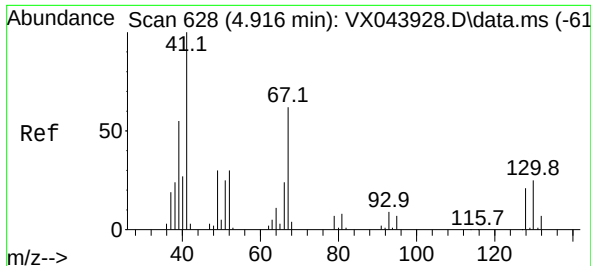
Tgt Ion: 78 Resp: 121280

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8

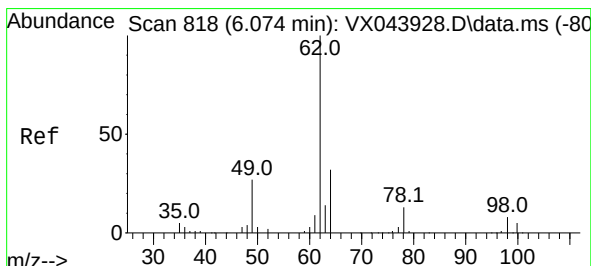
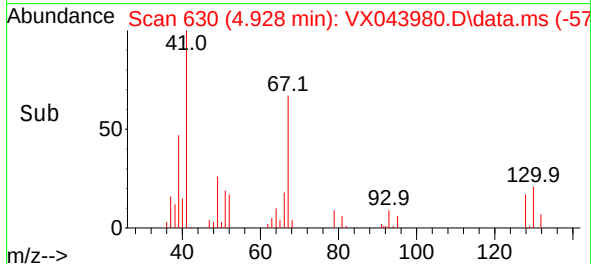
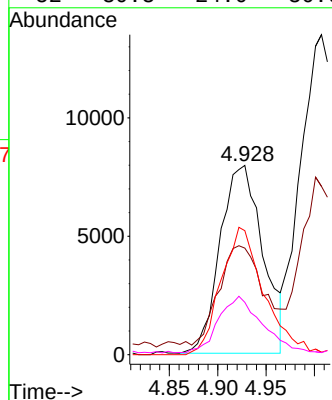
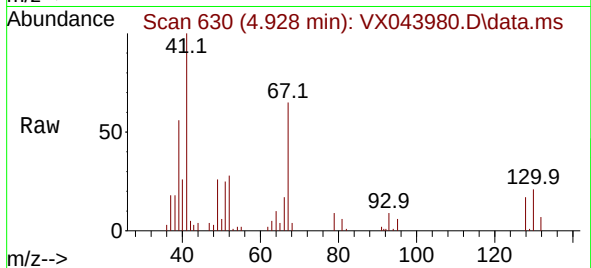




#41  
Methacrylonitrile  
Concen: 18.537 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

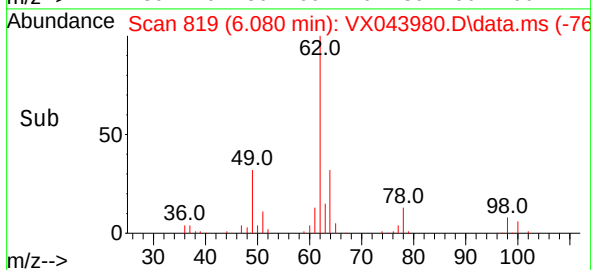
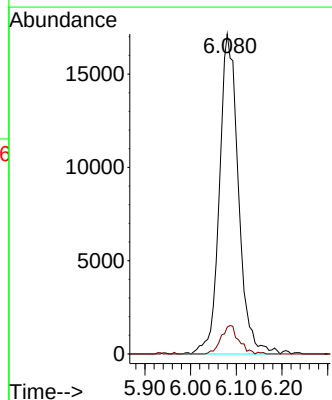
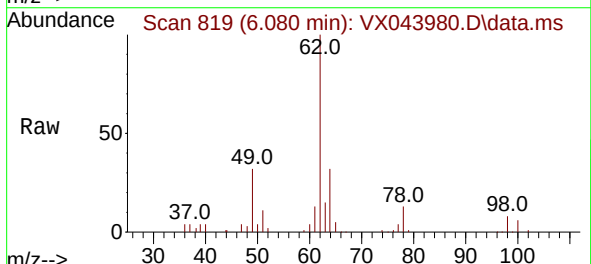
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

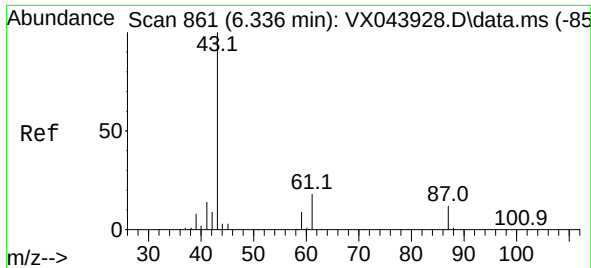
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 24395 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 57.0  | 41.7  | 62.5  |
| 67       | 69.4  | 55.8  | 83.8  |
| 52       | 30.3  | 24.0  | 36.0  |



#42  
1,2-Dichloroethane  
Concen: 19.069 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 49414 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 8.2   | 0.0   | 16.4  |





#43

Isopropyl Acetate

Concen: 18.280 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

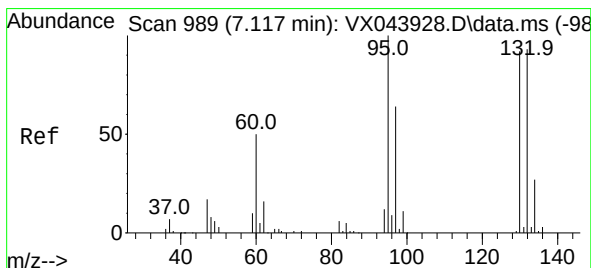
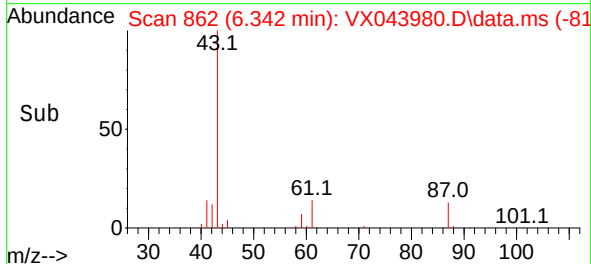
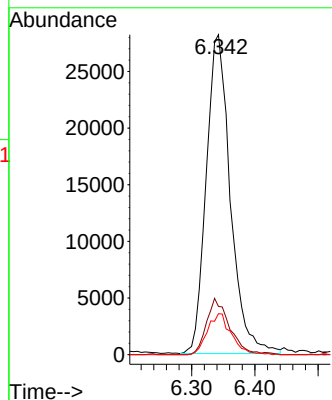
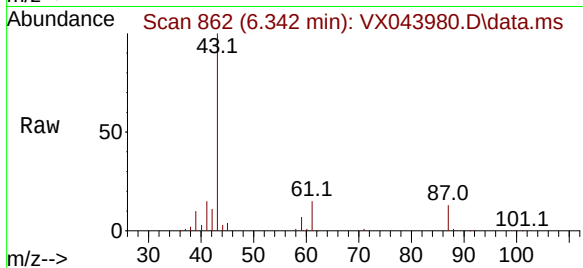
Tgt Ion: 43 Resp: 74800

Ion Ratio Lower Upper

43 100

61 17.0 14.5 21.7

87 12.7 10.2 15.2



#44

Trichloroethene

Concen: 16.124 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.006 min

Lab File: VX043980.D

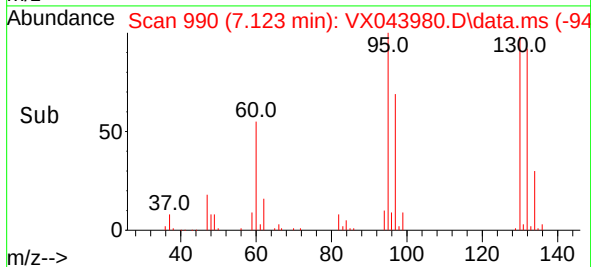
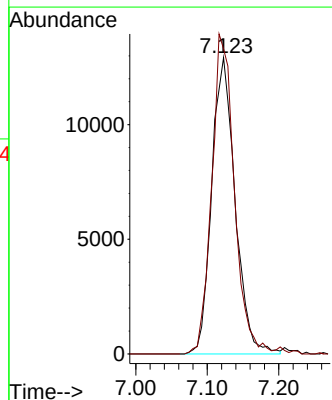
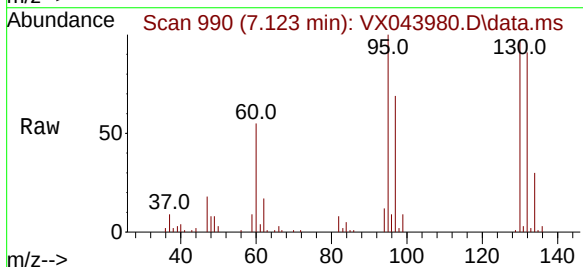
Acq: 25 Nov 2024 12:41

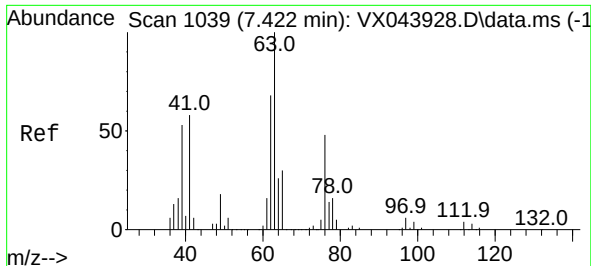
Tgt Ion:130 Resp: 29451

Ion Ratio Lower Upper

130 100

95 103.0 0.0 217.8





#45

1,2-Dichloropropane

Concen: 19.833 ug/l

RT: 7.421 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

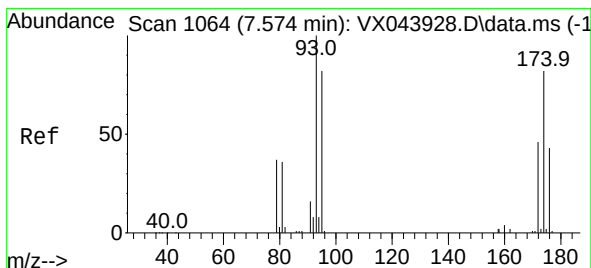
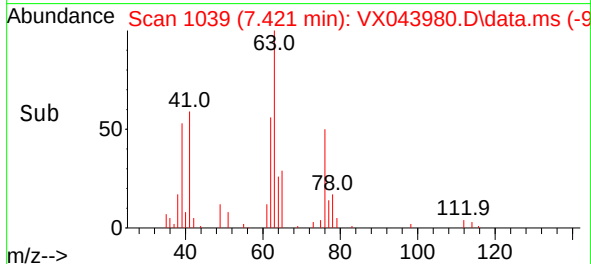
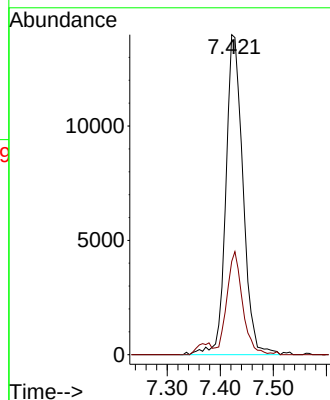
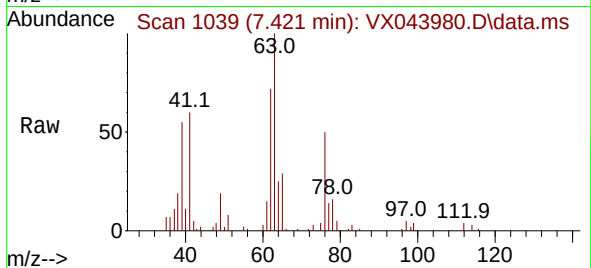
VX1125WBS01

Tgt Ion: 63 Resp: 31342

Ion Ratio Lower Upper

63 100

65 29.1 23.8 35.6



#46

Dibromomethane

Concen: 19.103 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

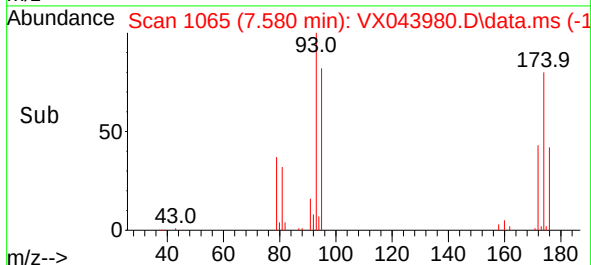
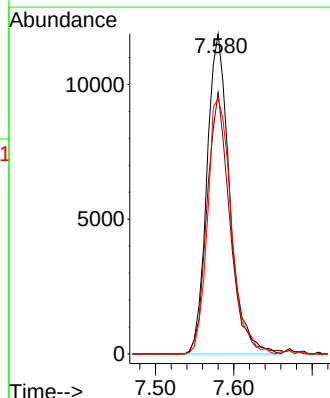
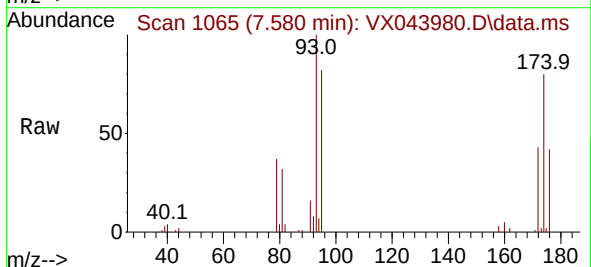
Tgt Ion: 93 Resp: 23880

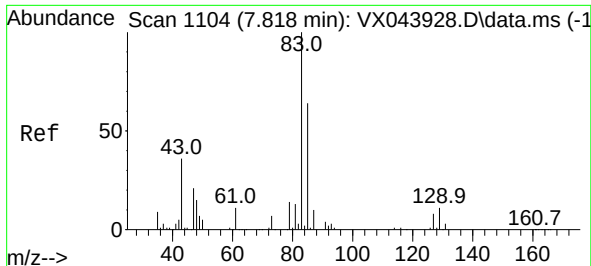
Ion Ratio Lower Upper

93 100

95 82.6 66.2 99.4

174 83.3 69.6 104.4

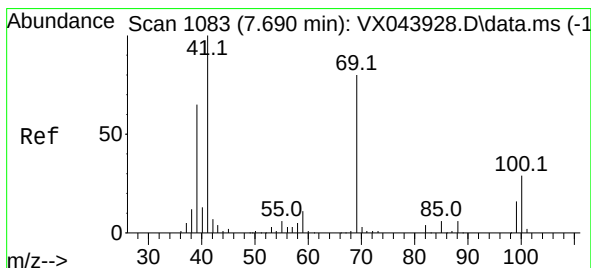
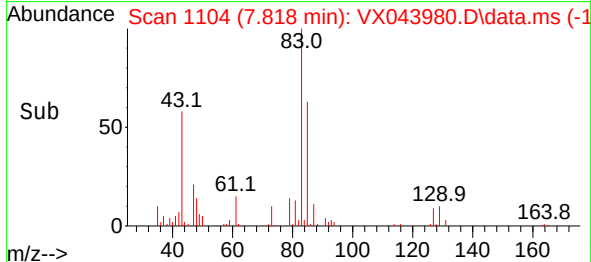
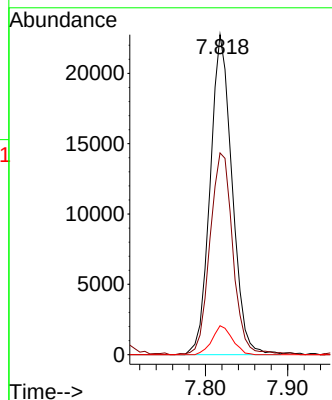
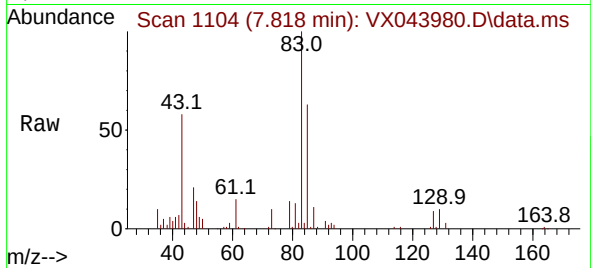




#47  
Bromodichloromethane  
Concen: 18.804 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

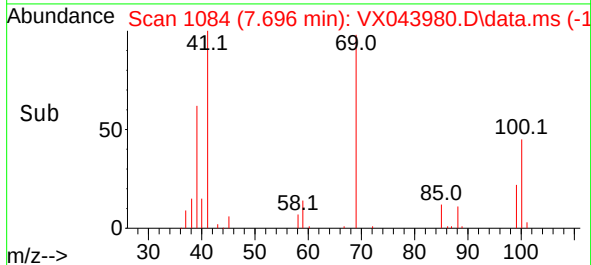
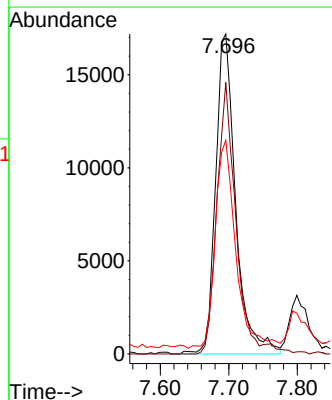
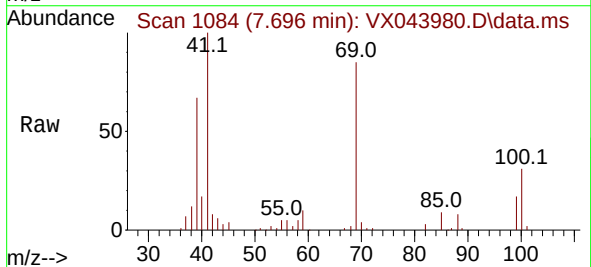
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

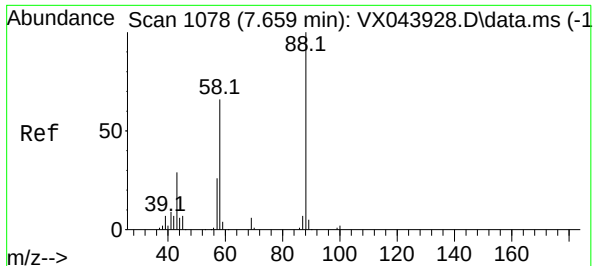
Tgt Ion: 83 Resp: 42158  
Ion Ratio Lower Upper  
83 100  
85 62.7 51.4 77.0  
127 9.0 6.6 10.0



#48  
Methyl methacrylate  
Concen: 17.747 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 41 Resp: 34847  
Ion Ratio Lower Upper  
41 100  
69 81.1 64.6 97.0  
39 66.7 53.3 79.9

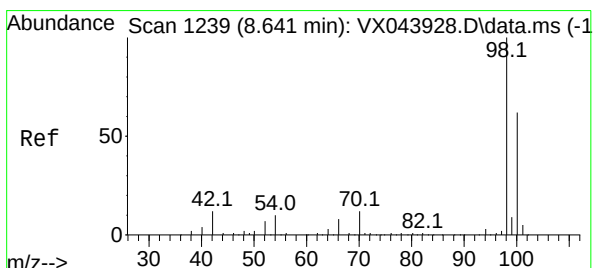
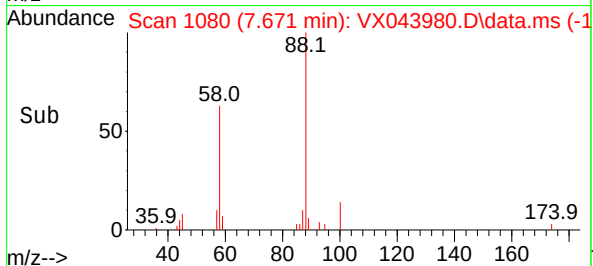
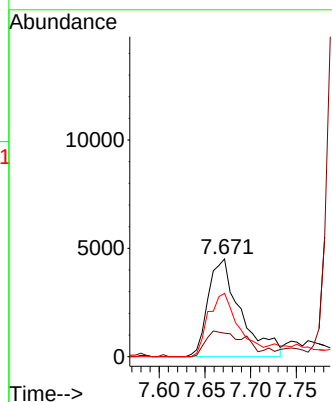
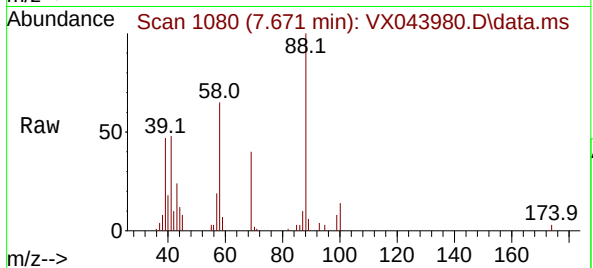




#49  
1,4-Dioxane  
Concen: 320.363 ug/l  
RT: 7.671 min Scan# 11205  
Delta R.T. 0.012 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

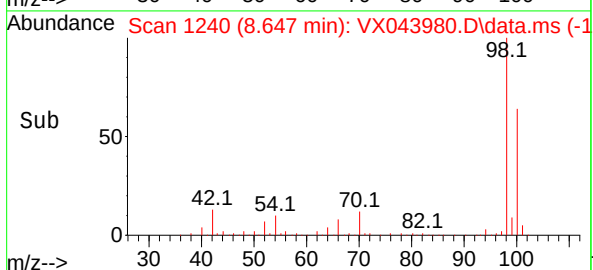
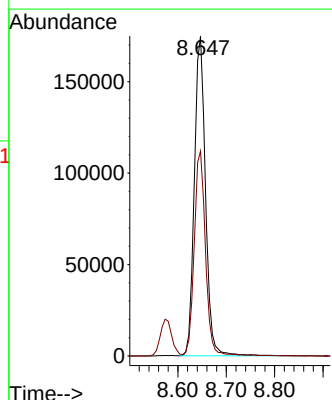
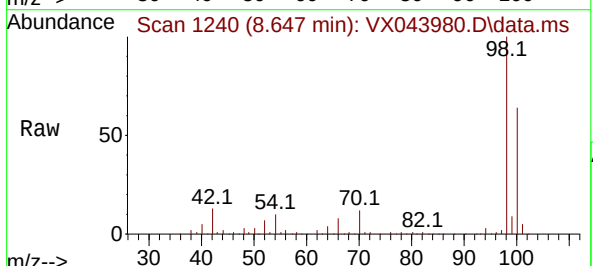
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Tgt Ion: 88 Resp: 11205  
Ion Ratio Lower Upper  
88 100  
43 31.2 26.8 40.2  
58 60.3 45.4 68.2

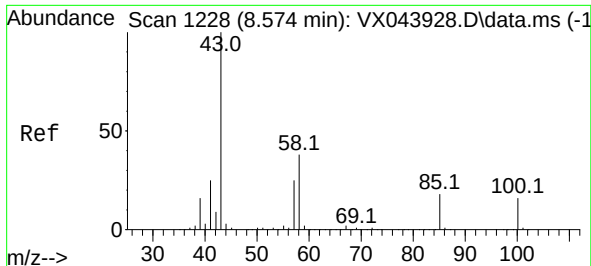


#50  
Toluene-d8  
Concen: 48.822 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 98 Resp: 279748  
Ion Ratio Lower Upper  
98 100  
100 64.9 52.6 79.0



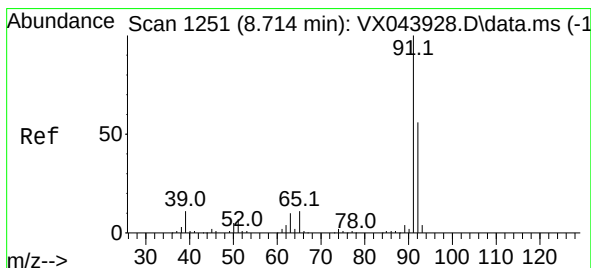
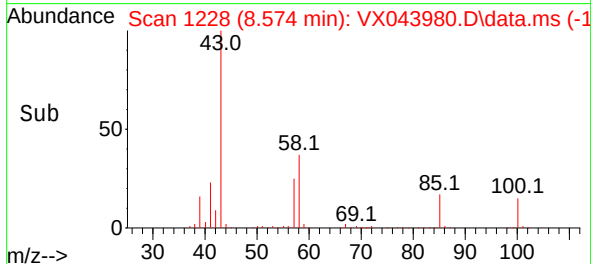
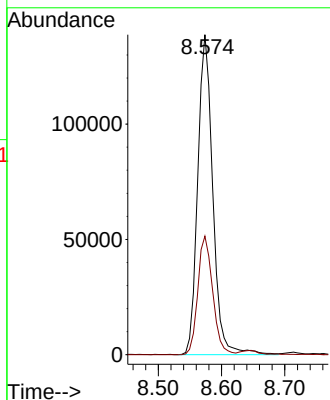
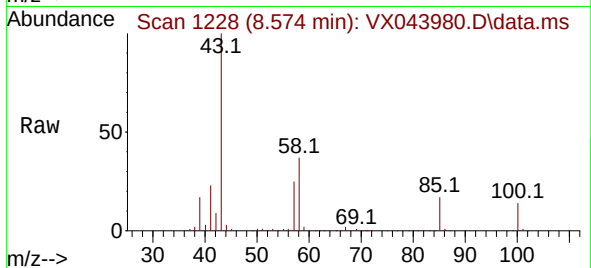




#51  
4-Methyl-2-Pentanone  
Concen: 92.377 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

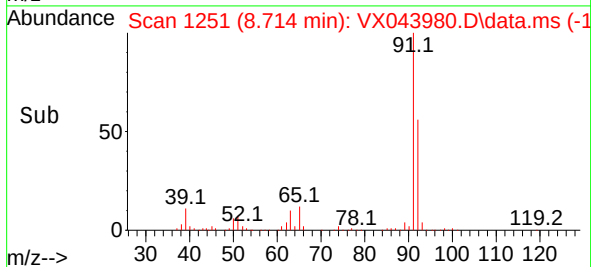
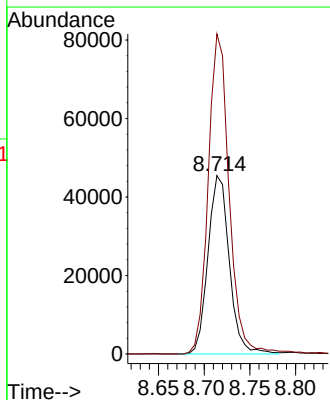
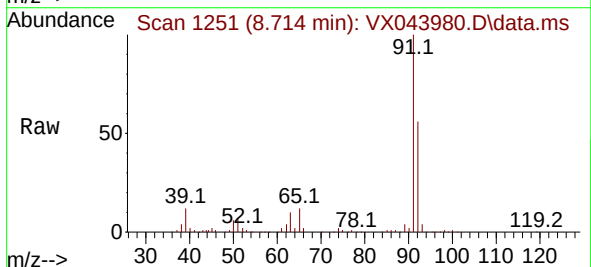
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

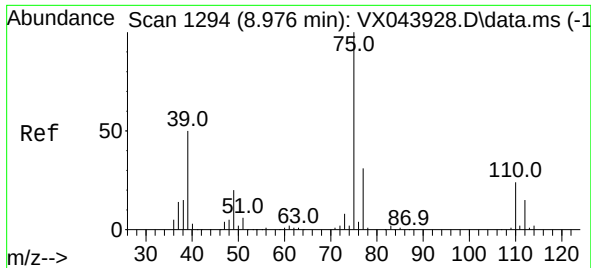
Tgt Ion: 43 Resp: 230680  
Ion Ratio Lower Upper  
43 100  
58 36.6 30.0 45.0



#52  
Toluene  
Concen: 19.100 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 92 Resp: 73761  
Ion Ratio Lower Upper  
92 100  
91 177.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 18.157 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

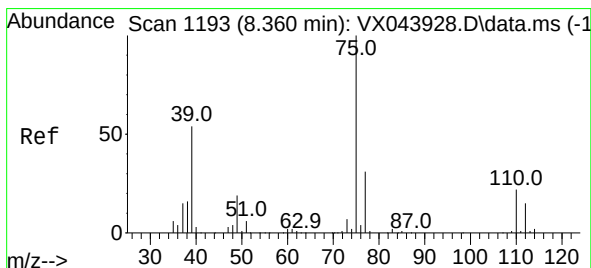
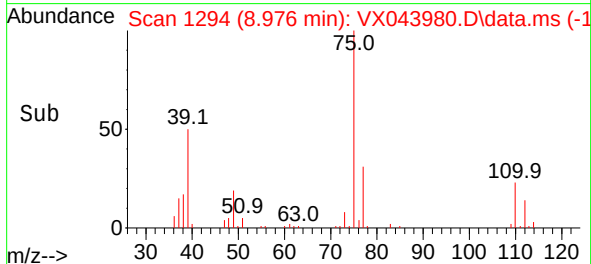
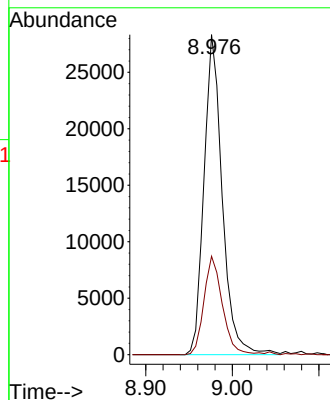
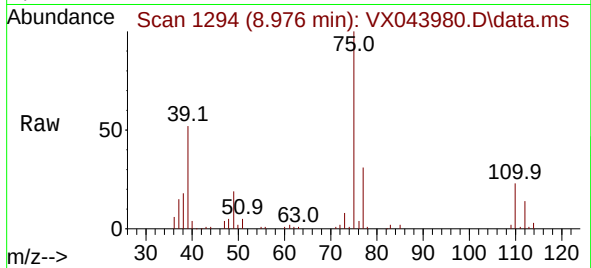
VX1125WBS01

Tgt Ion: 75 Resp: 41513

Ion Ratio Lower Upper

75 100

77 30.8 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.559 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

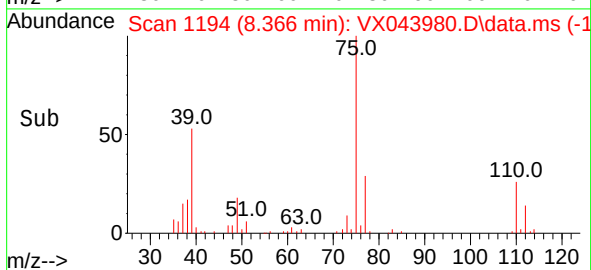
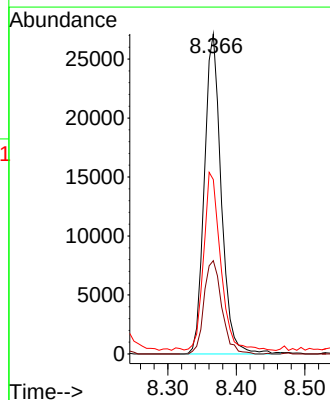
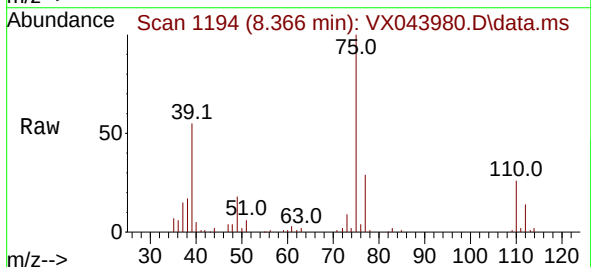
Tgt Ion: 75 Resp: 46516

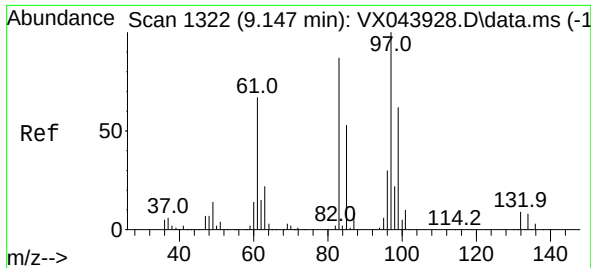
Ion Ratio Lower Upper

75 100

77 29.1 25.2 37.8

39 53.0 43.1 64.7

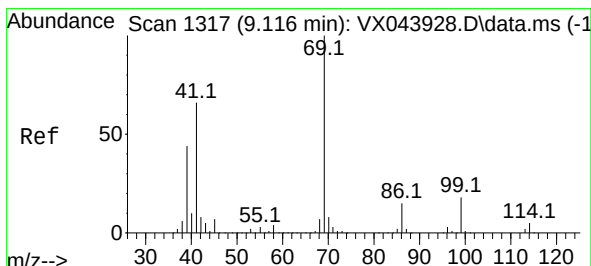
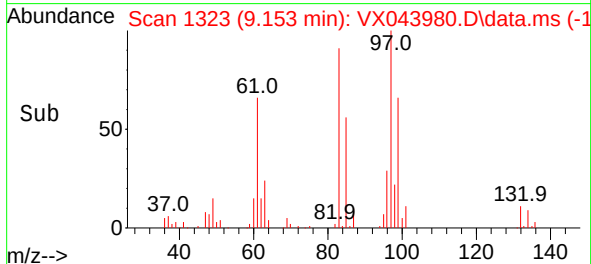
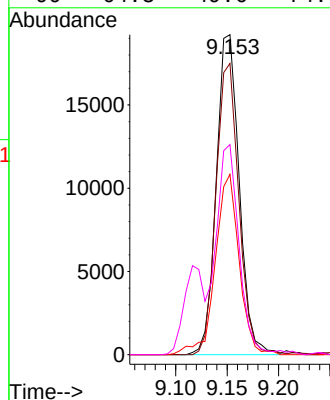
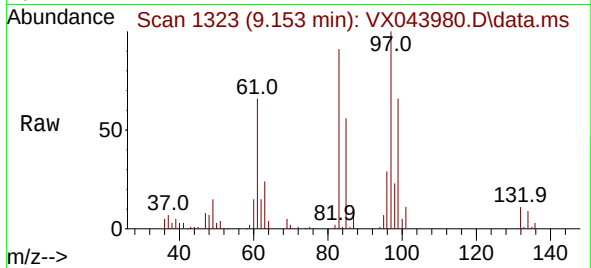




#55  
1,1,2-Trichloroethane  
Concen: 18.711 ug/l  
RT: 9.153 min Scan# 1323  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

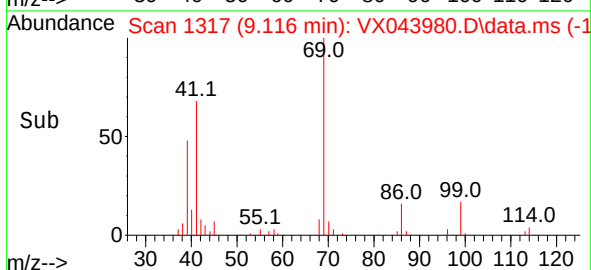
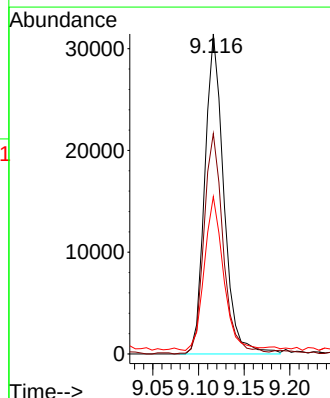
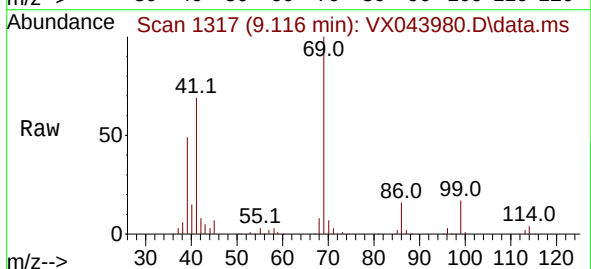
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

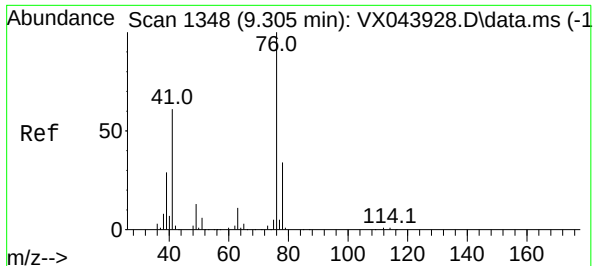
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 29828 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 91.0  | 69.4  | 104.0 |
| 85       | 56.4  | 42.3  | 63.5  |
| 99       | 64.3  | 49.6  | 74.4  |



#56  
Ethyl methacrylate  
Concen: 18.265 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 69    | Resp: | 45352 |
| Ion      | Ratio | Lower | Upper |
| 69       | 100   |       |       |
| 41       | 69.7  | 55.8  | 83.8  |
| 39       | 48.4  | 36.7  | 55.1  |

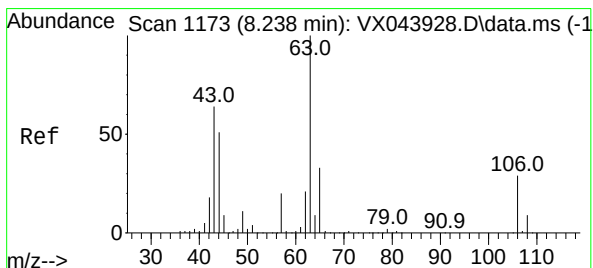
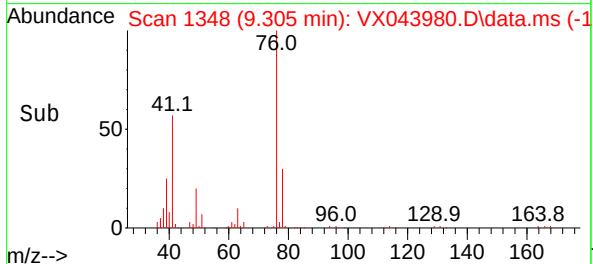
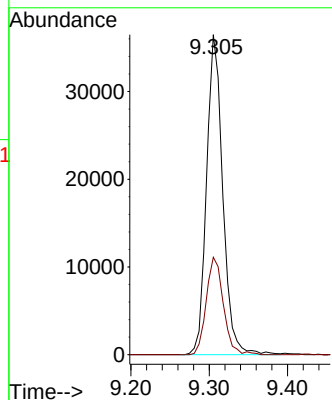
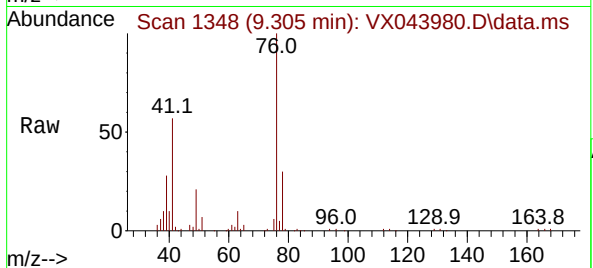




#57  
1,3-Dichloropropane  
Concen: 19.493 ug/l  
RT: 9.305 min Scan# 1148  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

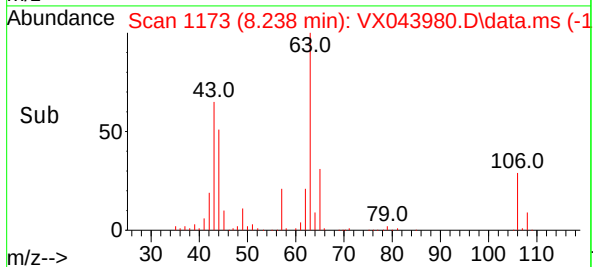
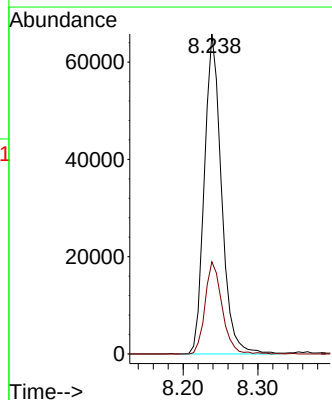
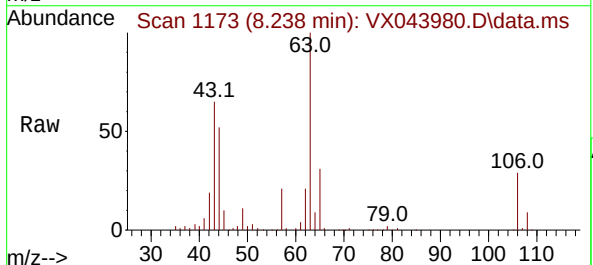
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

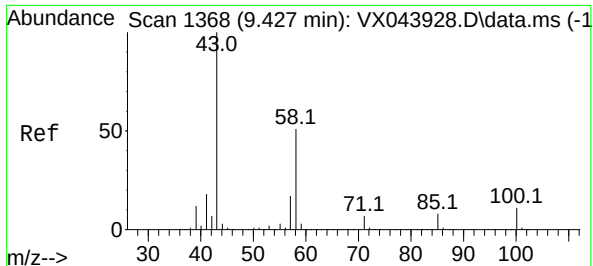
Tgt Ion: 76 Resp: 52347  
Ion Ratio Lower Upper  
76 100  
78 32.1 26.0 39.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 76.406 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 63 Resp: 104808  
Ion Ratio Lower Upper  
63 100  
106 28.7 23.0 34.6

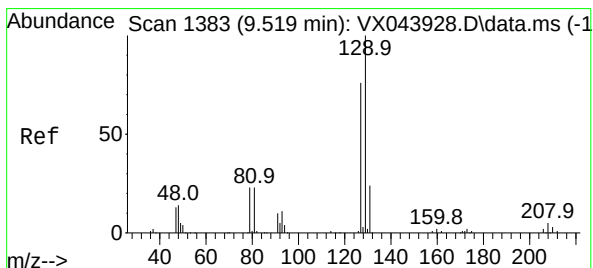
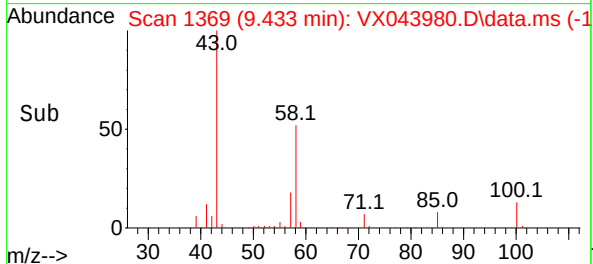
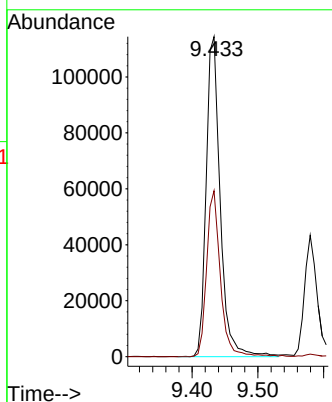
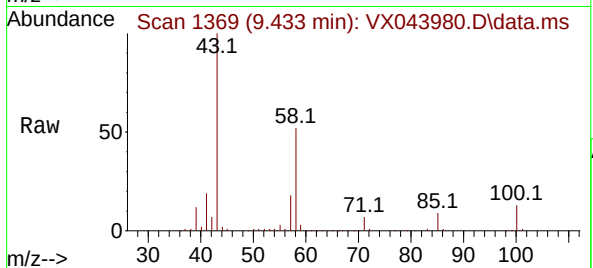




#59  
2-Hexanone  
Concen: 90.646 ug/l  
RT: 9.433 min Scan# 1369  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

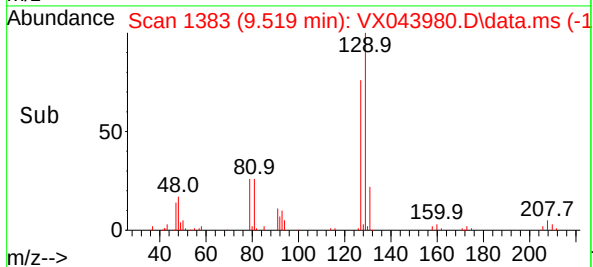
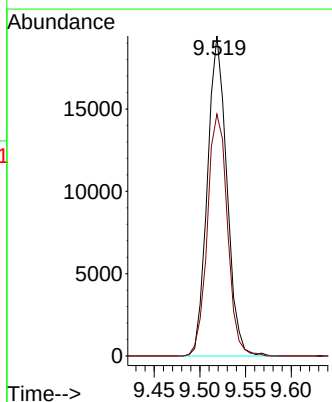
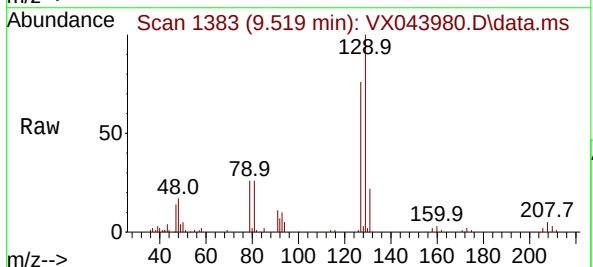
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

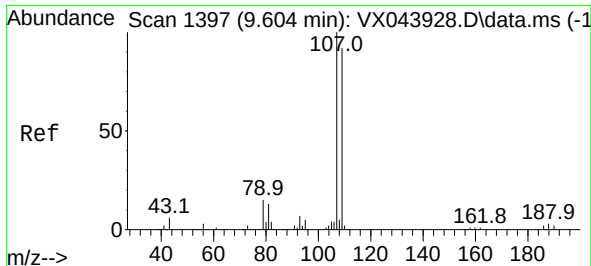
Tgt Ion: 43 Resp: 170135  
Ion Ratio Lower Upper  
43 100  
58 50.9 25.9 77.6



#60  
Dibromochloromethane  
Concen: 17.922 ug/l  
RT: 9.519 min Scan# 1383  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 129 Resp: 28665  
Ion Ratio Lower Upper  
129 100  
127 78.0 38.2 114.6





#61

1,2-Dibromoethane

Concen: 18.503 ug/l

RT: 9.610 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

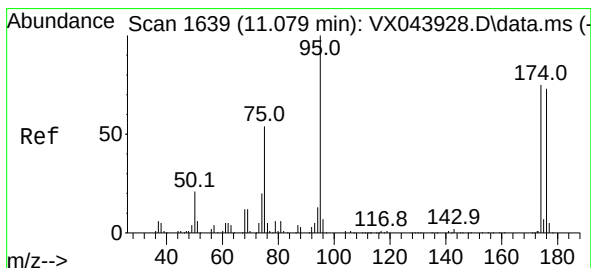
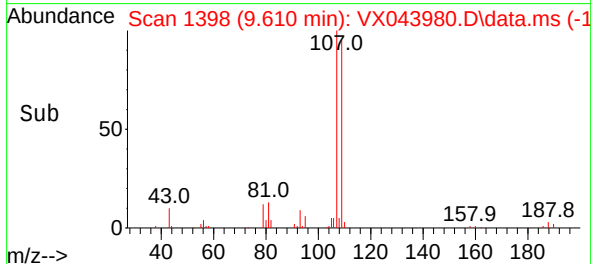
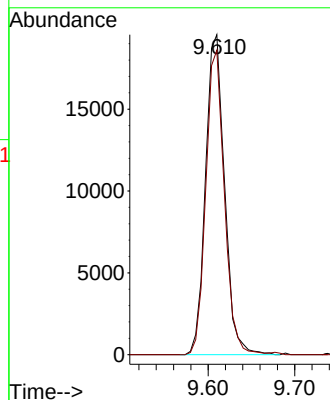
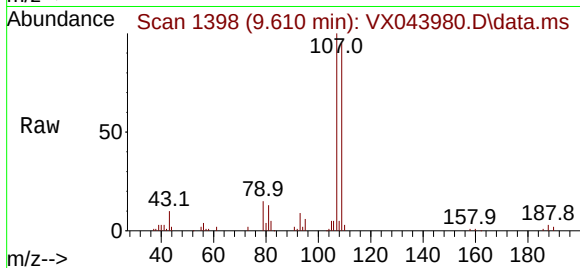
VX1125WBS01

Tgt Ion:107 Resp: 29826

Ion Ratio Lower Upper

107 100

109 92.7 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 47.296 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

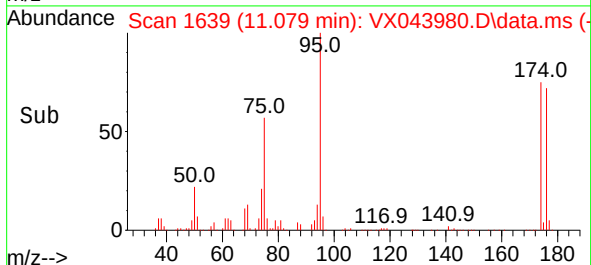
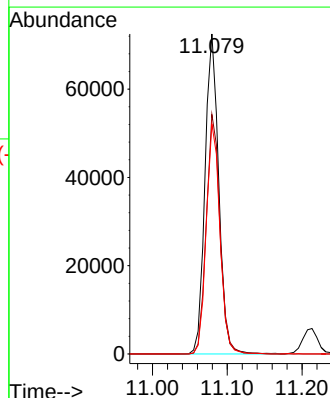
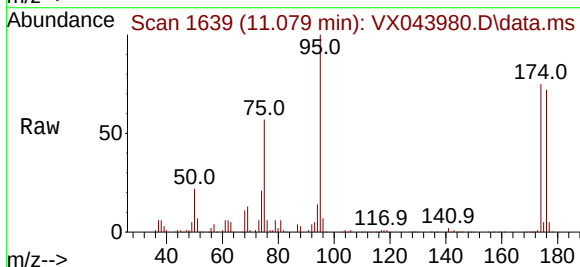
Tgt Ion: 95 Resp: 92231

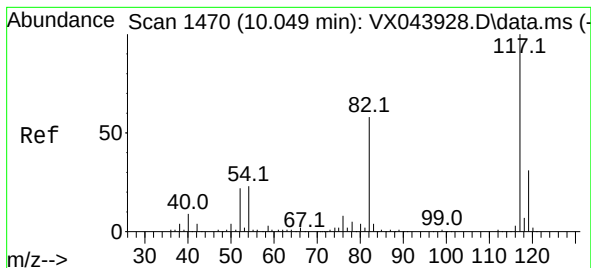
Ion Ratio Lower Upper

95 100

174 75.1 0.0 150.4

176 71.7 0.0 146.0

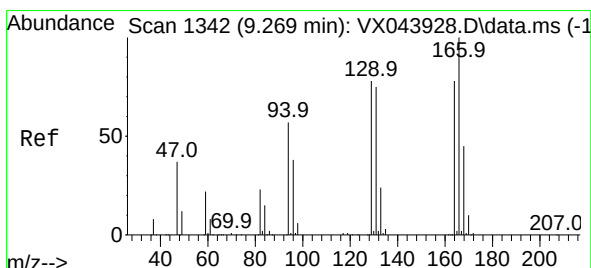
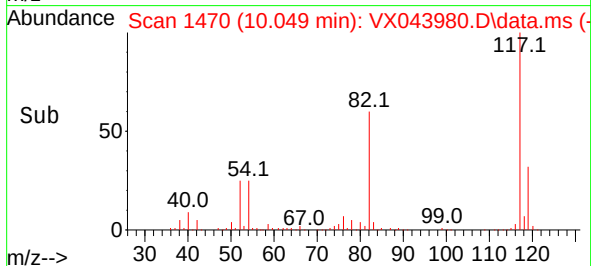
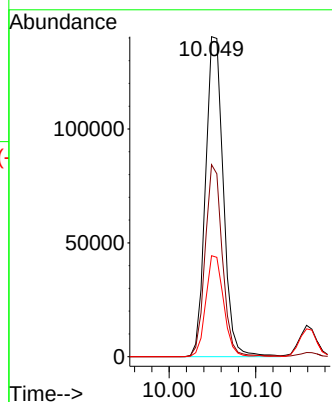
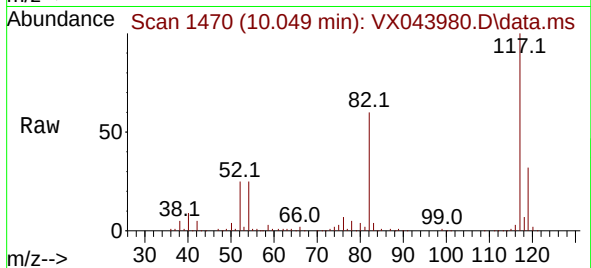




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

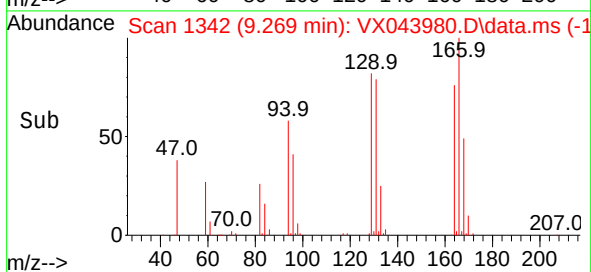
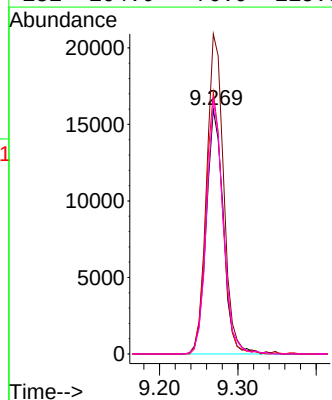
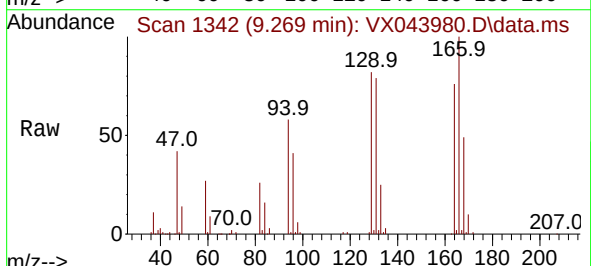
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

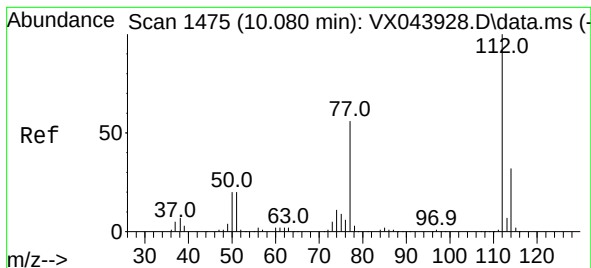
Tgt Ion:117 Resp: 200729  
Ion Ratio Lower Upper  
117 100  
82 60.0 46.4 69.6  
119 31.5 24.6 37.0



#64  
Tetrachloroethene  
Concen: 18.065 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion:164 Resp: 23911  
Ion Ratio Lower Upper  
164 100  
166 130.9 102.1 153.1  
129 107.0 79.6 119.4  
131 104.0 76.9 115.3

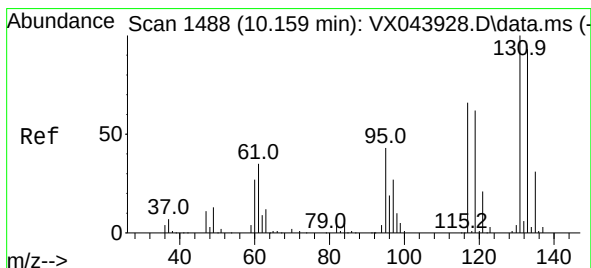
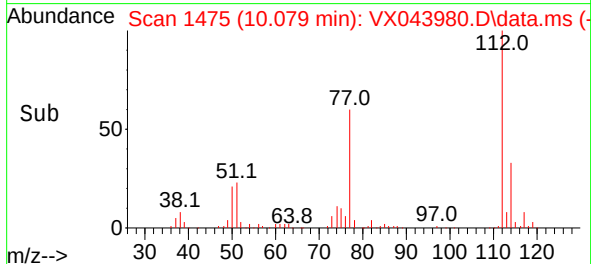
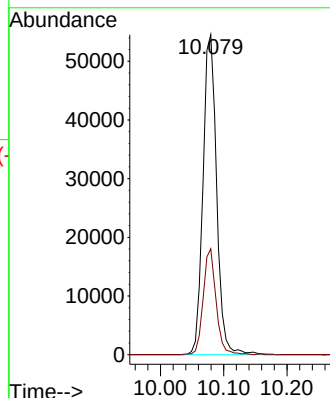
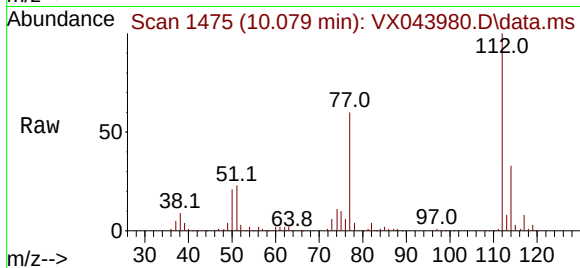




#65  
Chlorobenzene  
Concen: 18.597 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

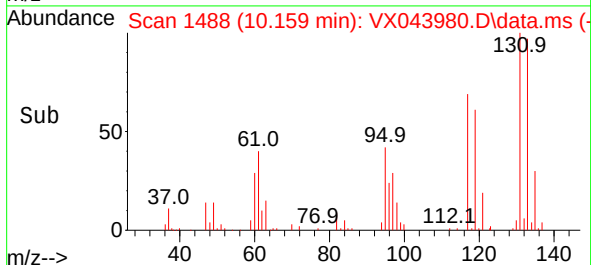
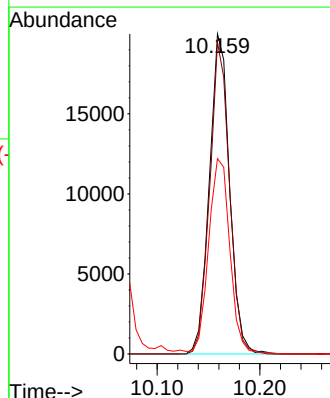
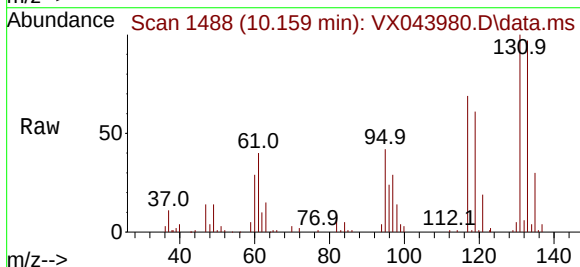
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Tgt Ion:112 Resp: 81986  
Ion Ratio Lower Upper  
112 100  
114 33.1 25.4 38.0

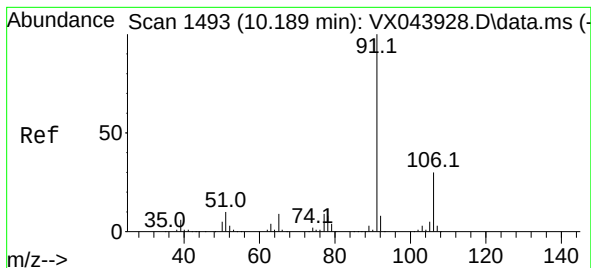


#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.076 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion:131 Resp: 27274  
Ion Ratio Lower Upper  
131 100  
133 95.2 48.2 144.6  
119 64.2 31.5 94.5







#67

Ethyl Benzene

Concen: 18.608 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

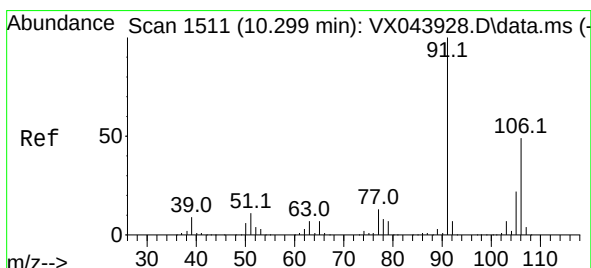
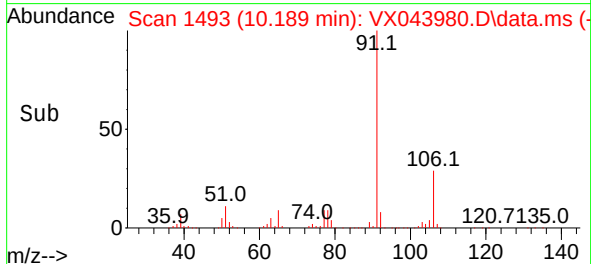
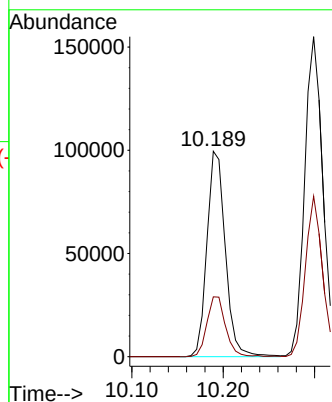
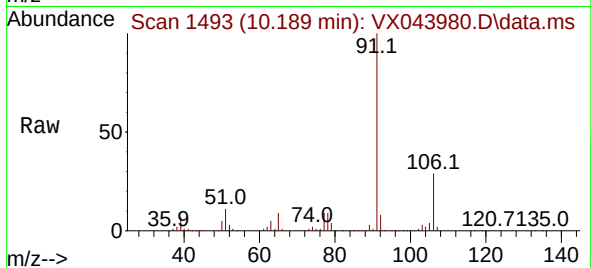
VX1125WBS01

Tgt Ion: 91 Resp: 139010

Ion Ratio Lower Upper

91 100

106 29.1 23.6 35.4



#68

m/p-Xylenes

Concen: 37.328 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX043980.D

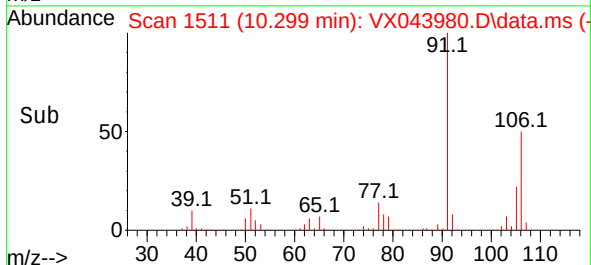
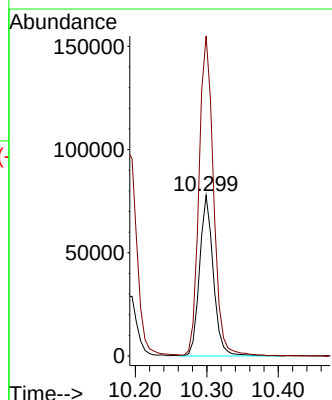
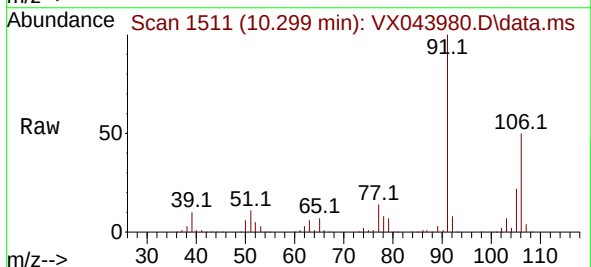
Acq: 25 Nov 2024 12:41

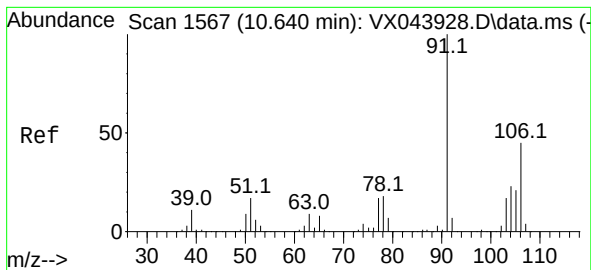
Tgt Ion:106 Resp: 103991

Ion Ratio Lower Upper

106 100

91 209.3 168.1 252.1

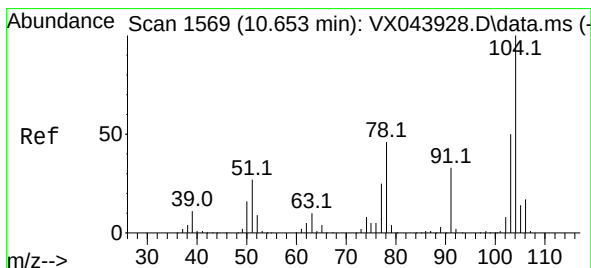
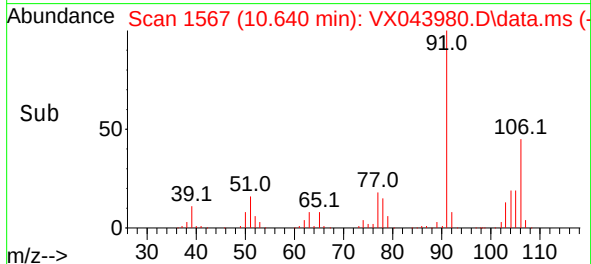
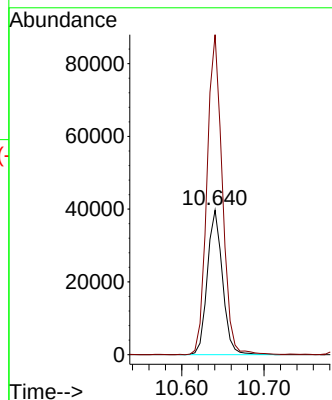
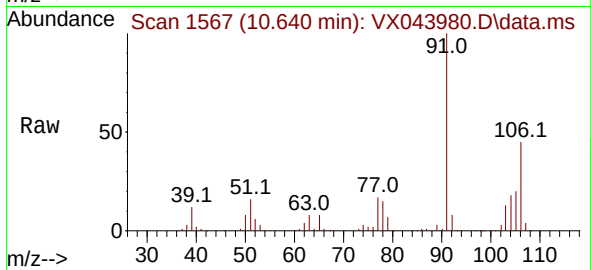




#69  
o-Xylene  
Concen: 18.698 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

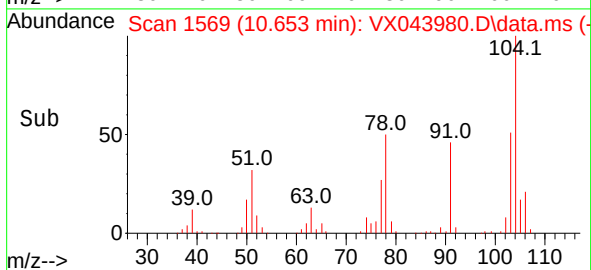
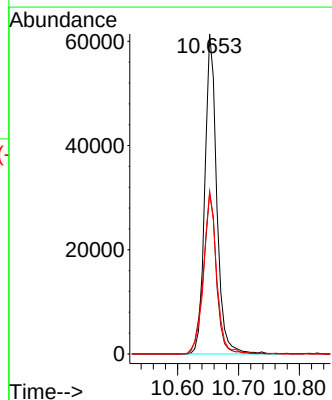
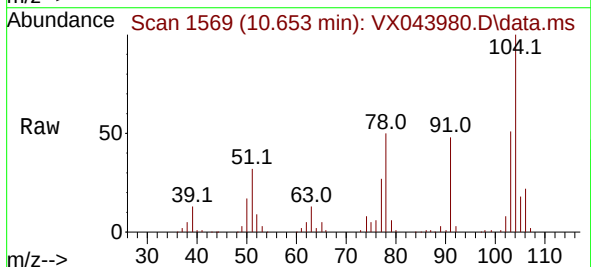
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

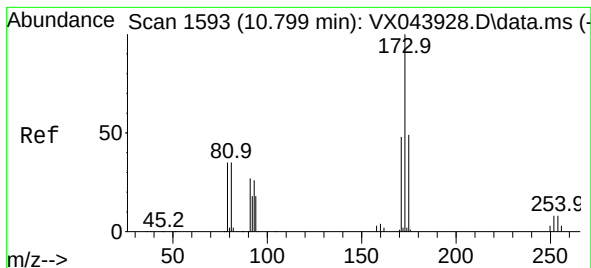
Tgt Ion:106 Resp: 50858  
Ion Ratio Lower Upper  
106 100  
91 223.9 110.2 330.6



#70  
Styrene  
Concen: 18.638 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion:104 Resp: 83849  
Ion Ratio Lower Upper  
104 100  
78 54.6 42.2 63.2  
103 55.6 44.7 67.1





#71

Bromoform

Concen: 15.994 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

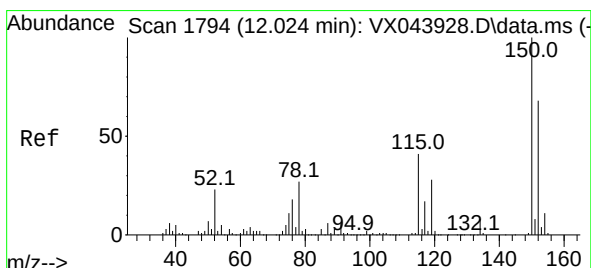
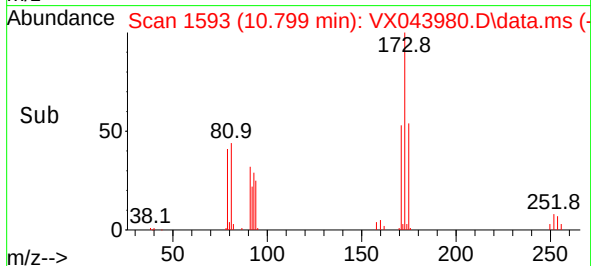
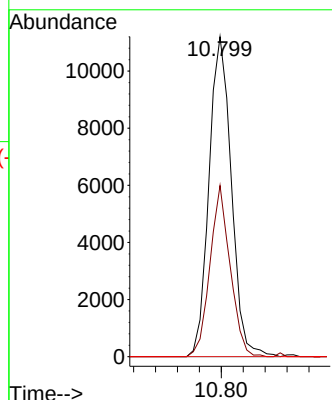
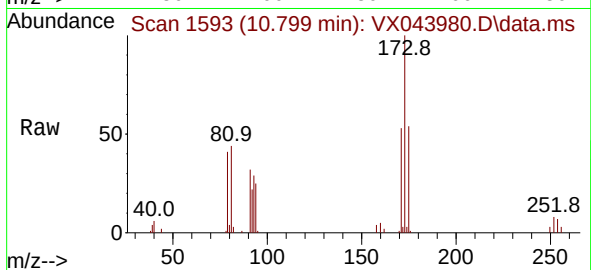
Tgt Ion:173 Resp: 15846

Ion Ratio Lower Upper

173 100

175 48.4 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

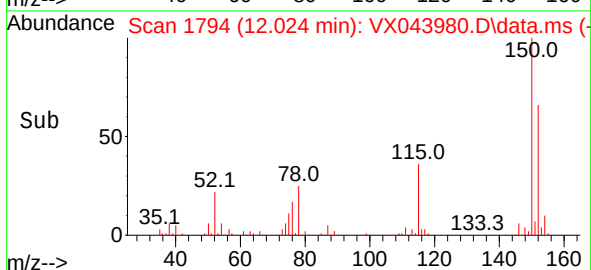
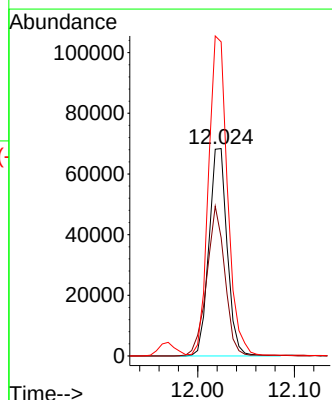
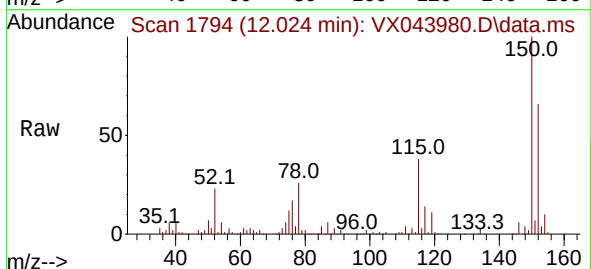
Tgt Ion:152 Resp: 89446

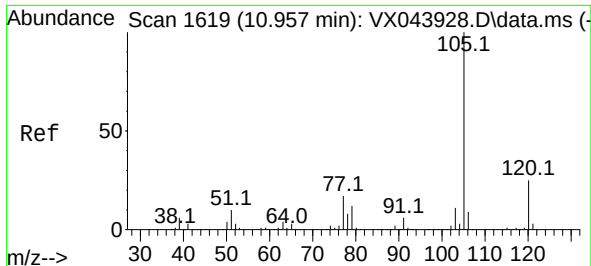
Ion Ratio Lower Upper

152 100

115 72.4 45.4 136.2

150 161.3 0.0 353.0

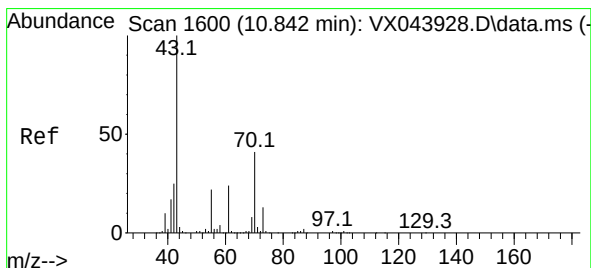
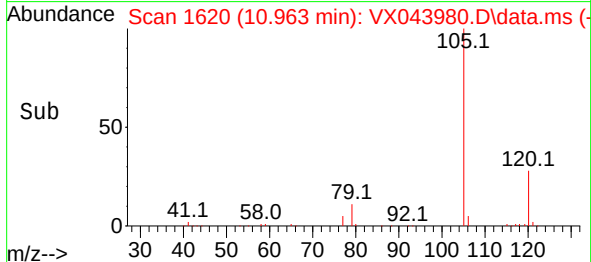
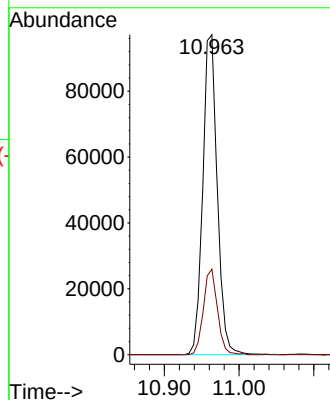
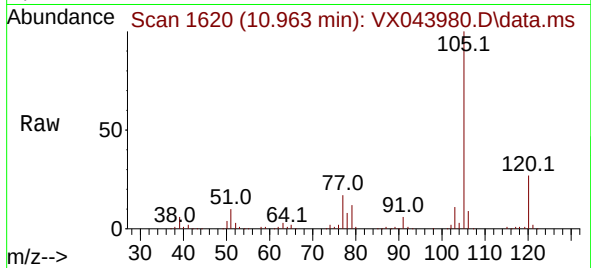




#73  
Isopropylbenzene  
Concen: 19.035 ug/l  
RT: 10.963 min Scan# 1620  
Delta R.T. 0.006 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

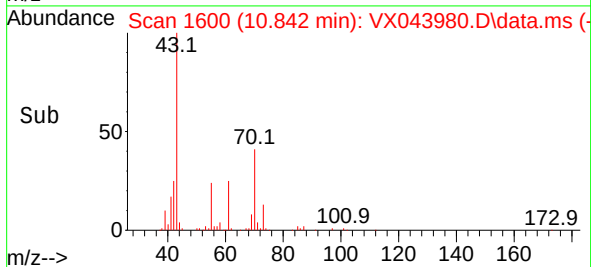
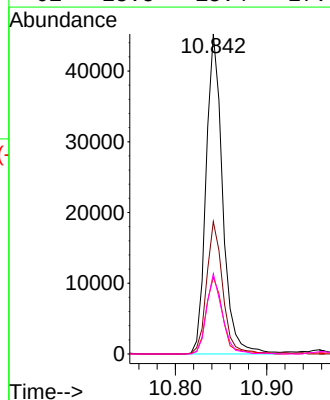
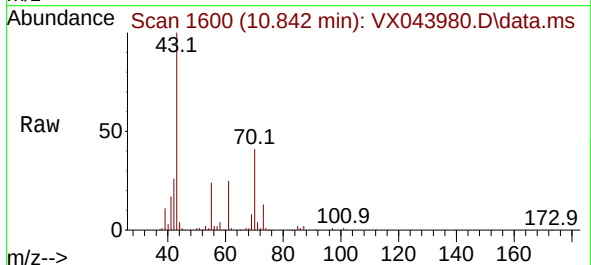
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

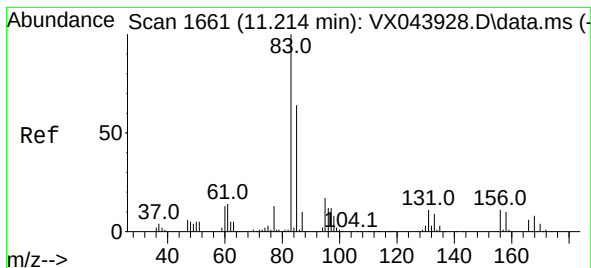
Tgt Ion:105 Resp: 130876  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.0 38.9



#74  
N-ethyl acetate  
Concen: 17.857 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 43 Resp: 56876  
Ion Ratio Lower Upper  
43 100  
70 40.2 32.2 48.2  
55 24.0 18.1 27.1  
61 23.5 18.4 27.6

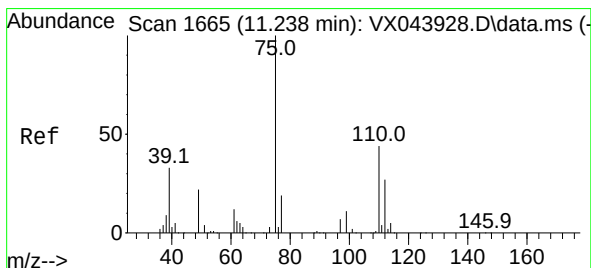
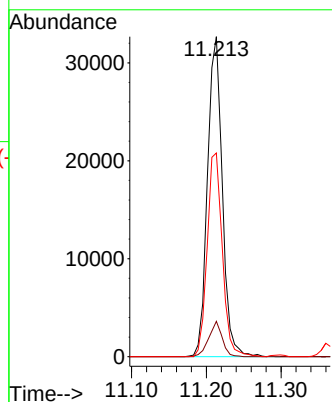
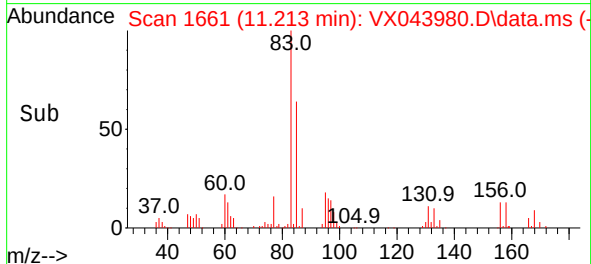
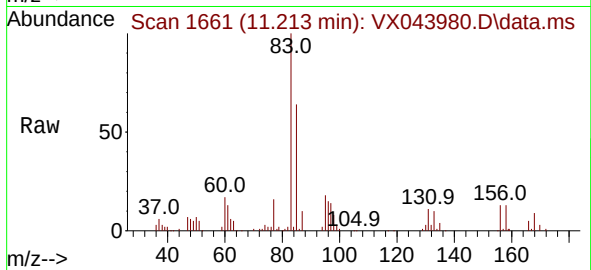




#75  
1,1,2,2-Tetrachloroethane  
Concen: 19.121 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

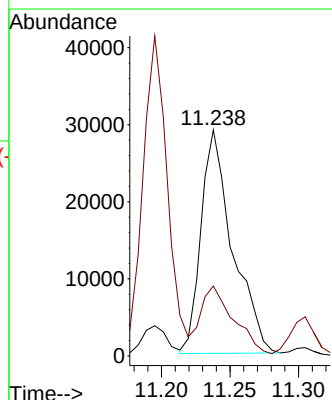
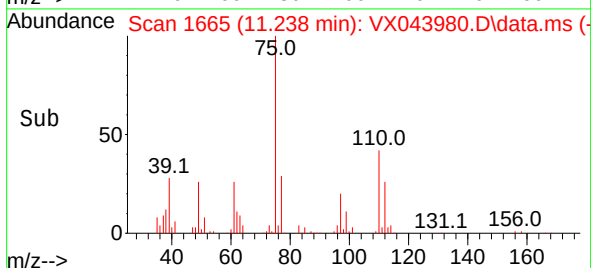
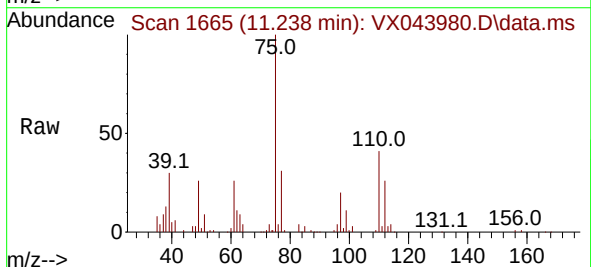
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

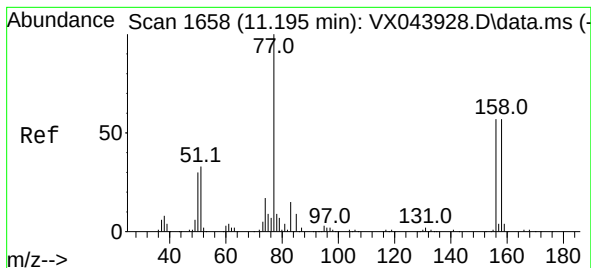
Tgt Ion: 83 Resp: 45016  
Ion Ratio Lower Upper  
83 100  
131 10.0 5.1 15.2  
85 64.8 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 23.723 ug/l  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 46534  
Ion Ratio Lower Upper  
75 100  
77 33.2 21.8 65.3





#77

Bromobenzene

Concen: 18.980 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

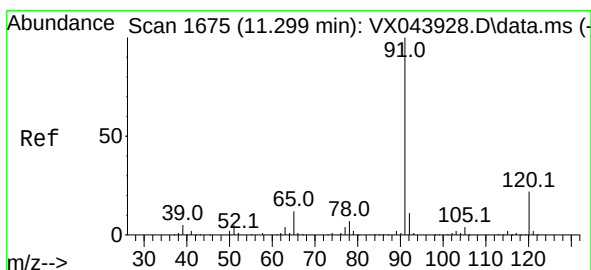
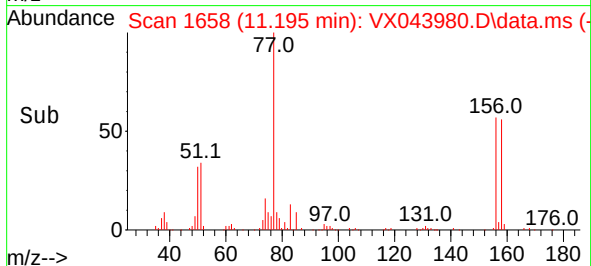
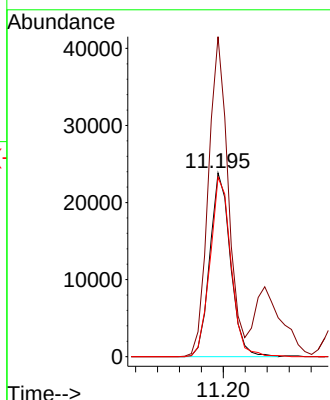
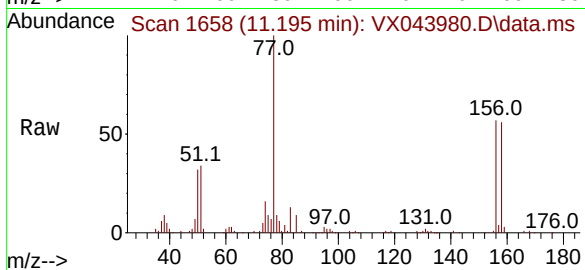
Tgt Ion:156 Resp: 31131

Ion Ratio Lower Upper

156 100

77 167.2 83.4 250.1

158 99.3 47.6 142.8



#78

n-propylbenzene

Concen: 18.970 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX043980.D

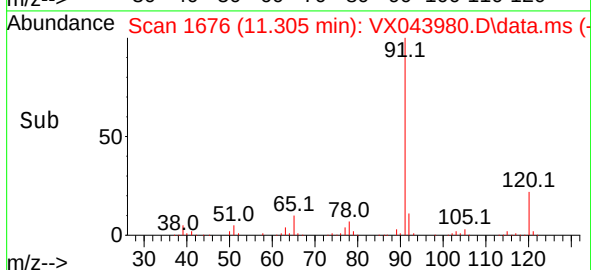
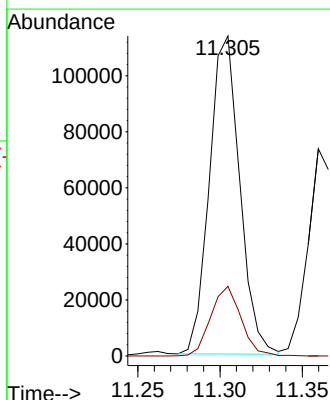
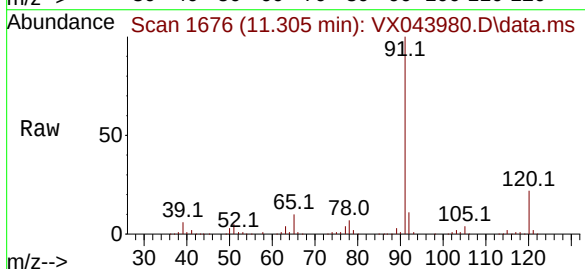
Acq: 25 Nov 2024 12:41

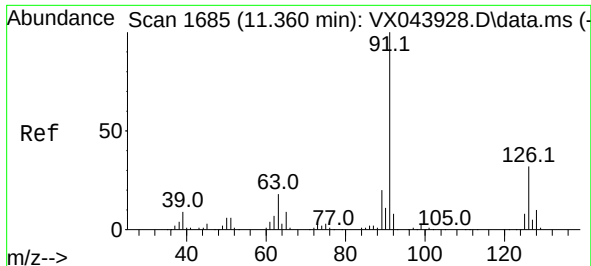
Tgt Ion: 91 Resp: 145673

Ion Ratio Lower Upper

91 100

120 21.9 11.5 34.4





#79

2-Chlorotoluene

Concen: 19.116 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

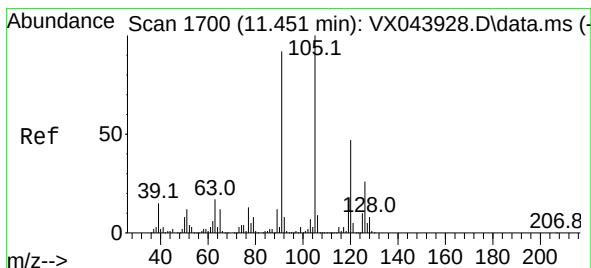
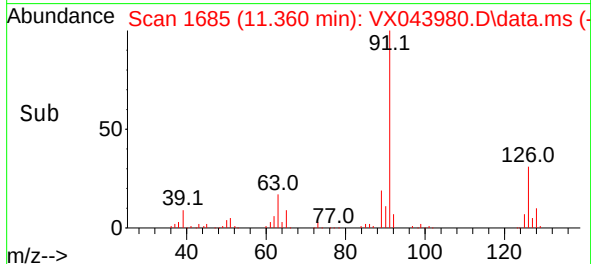
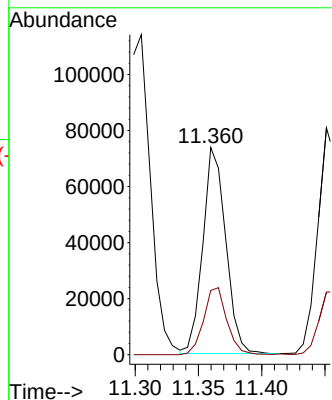
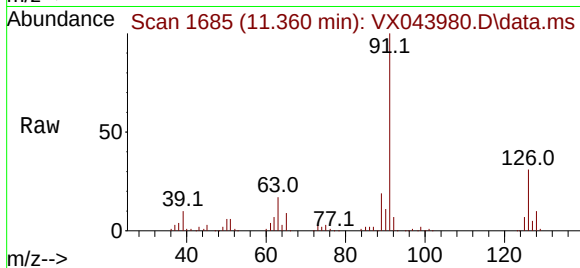
VX1125WBS01

Tgt Ion: 91 Resp: 92824

Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 19.841 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX043980.D

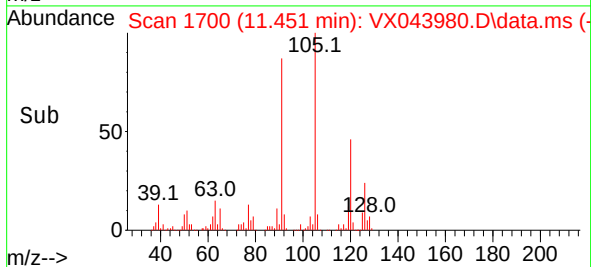
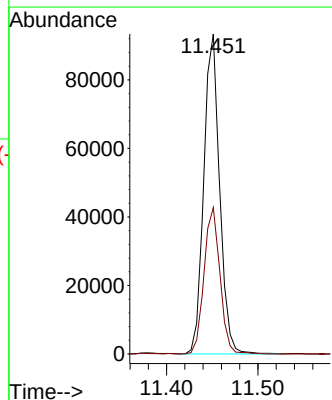
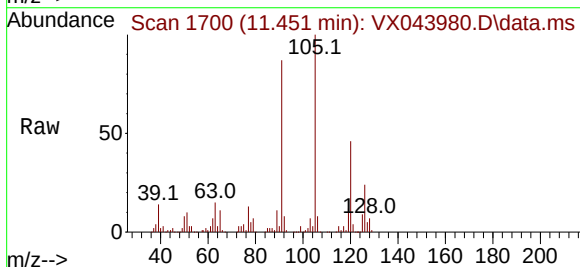
Acq: 25 Nov 2024 12:41

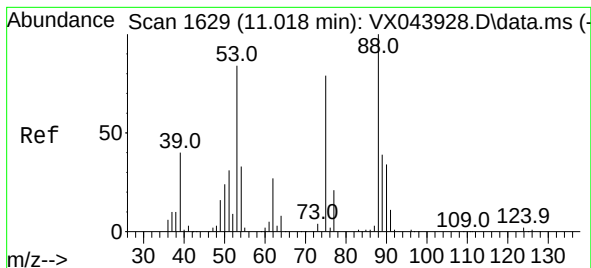
Tgt Ion:105 Resp: 112233

Ion Ratio Lower Upper

105 100

120 46.0 23.3 69.8

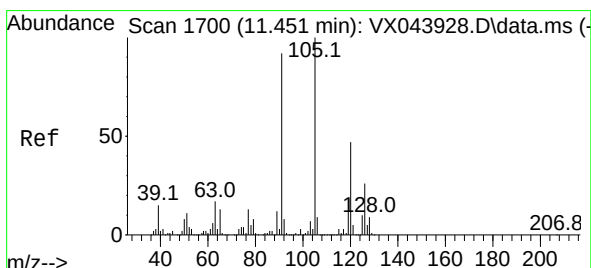
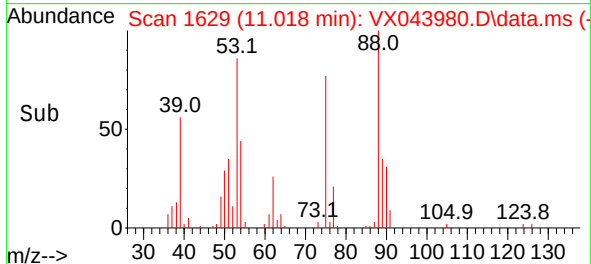
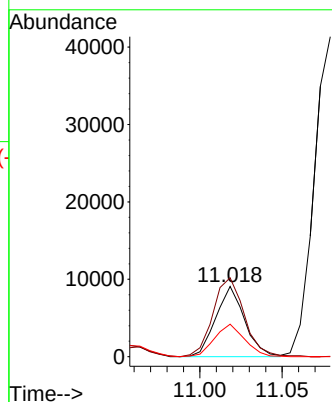
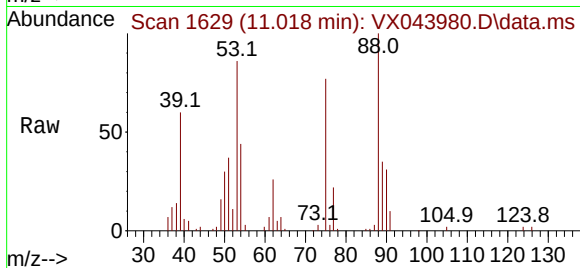




#81  
trans-1,4-Dichloro-2-butene  
Concen: 15.407 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

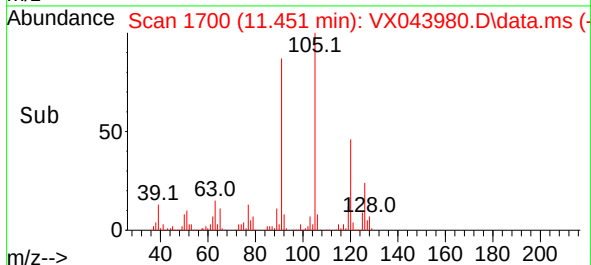
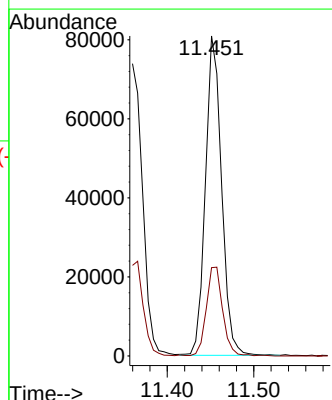
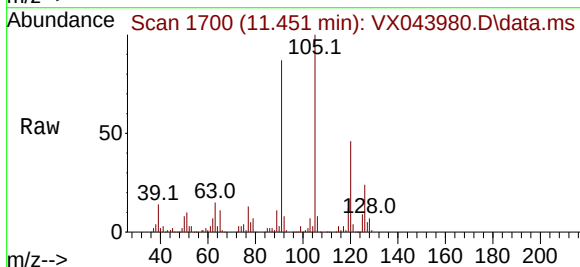
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

Tgt Ion: 75 Resp: 11075  
Ion Ratio Lower Upper  
75 100  
53 122.3 86.7 130.1  
89 48.2 38.2 57.2

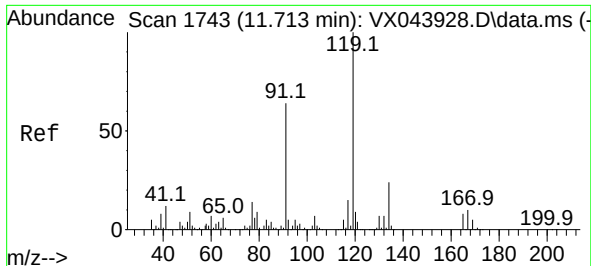


#82  
4-Chlorotoluene  
Concen: 19.100 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 91 Resp: 104709  
Ion Ratio Lower Upper  
91 100  
126 28.4 14.3 42.9







#83

tert-Butylbenzene

Concen: 19.150 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

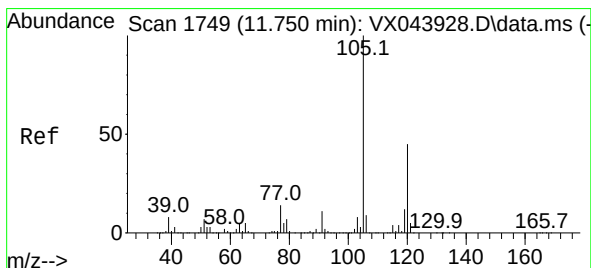
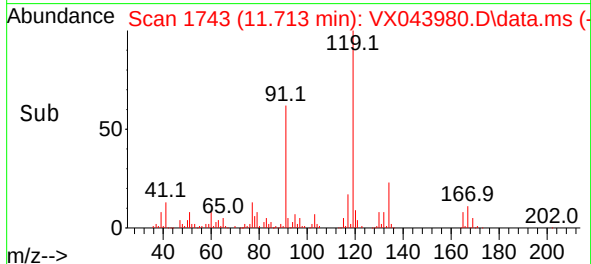
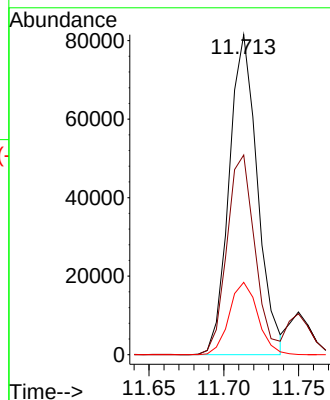
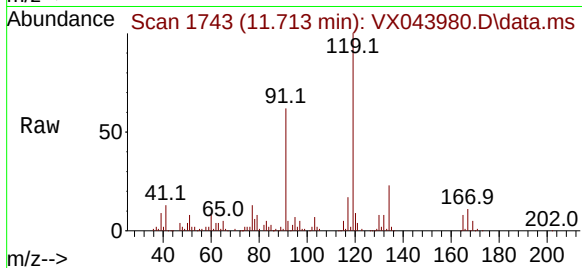
Tgt Ion:119 Resp: 107369

Ion Ratio Lower Upper

119 100

91 62.1 31.0 93.0

134 22.9 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 19.806 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX043980.D

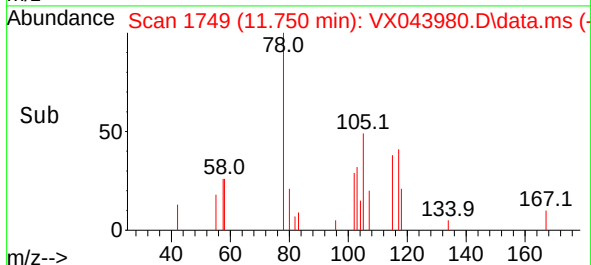
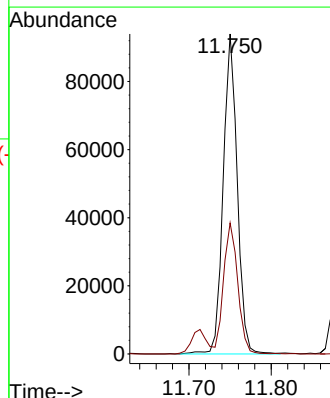
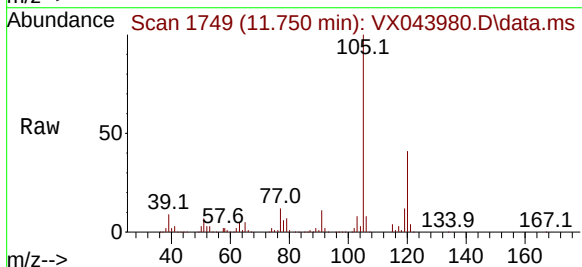
Acq: 25 Nov 2024 12:41

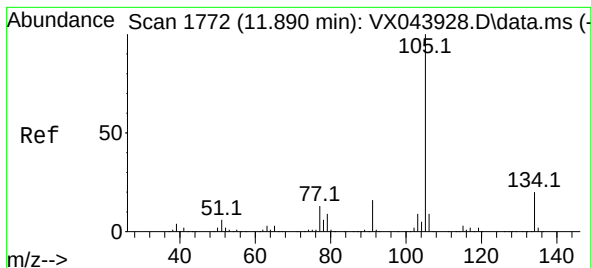
Tgt Ion:105 Resp: 111539

Ion Ratio Lower Upper

105 100

120 41.4 21.9 65.7





#85

sec-Butylbenzene

Concen: 18.313 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

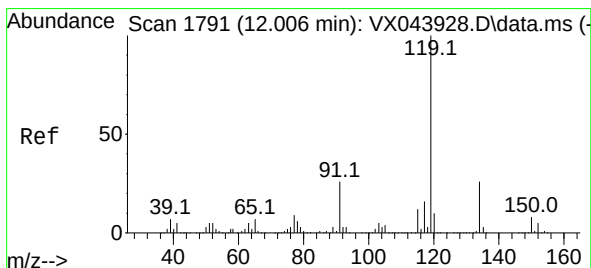
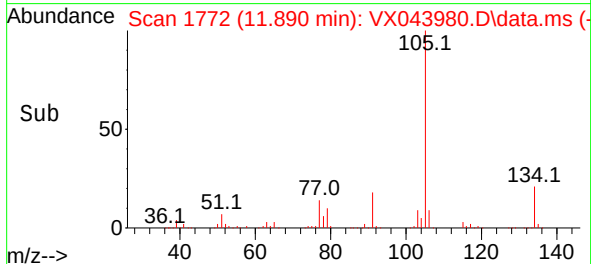
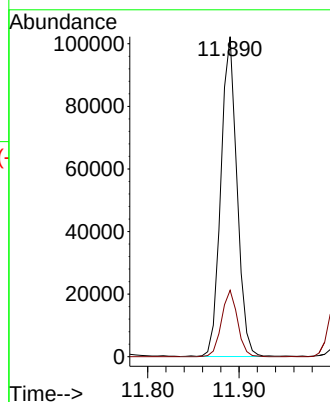
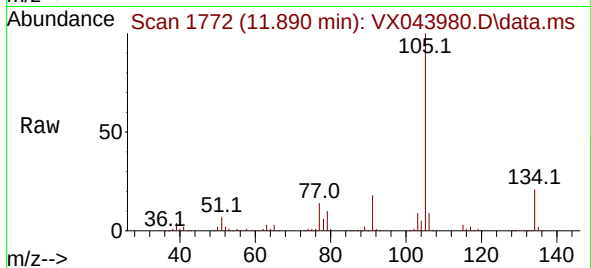
VX1125WBS01

Tgt Ion:105 Resp: 125802

Ion Ratio Lower Upper

105 100

134 20.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 19.454 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

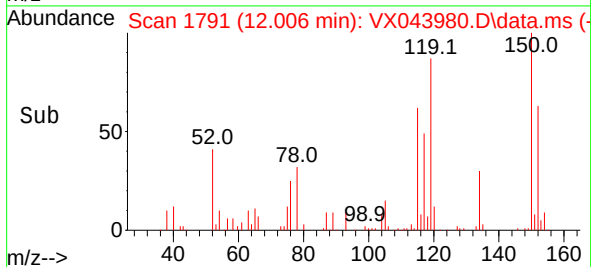
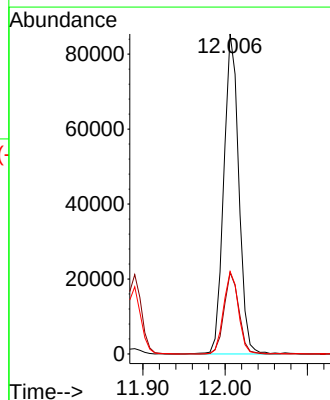
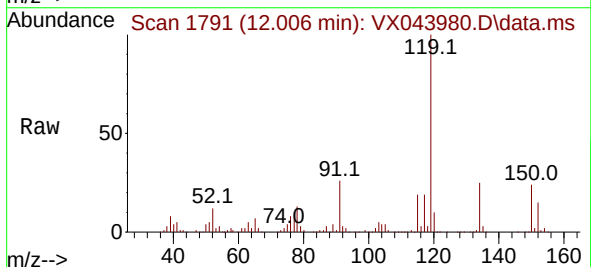
Tgt Ion:119 Resp: 108552

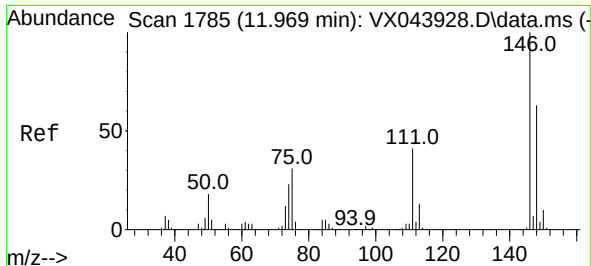
Ion Ratio Lower Upper

119 100

134 24.9 13.0 38.9

91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 18.623 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

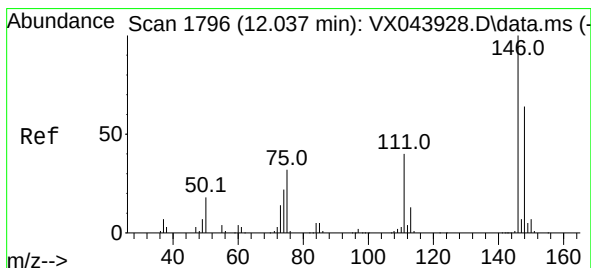
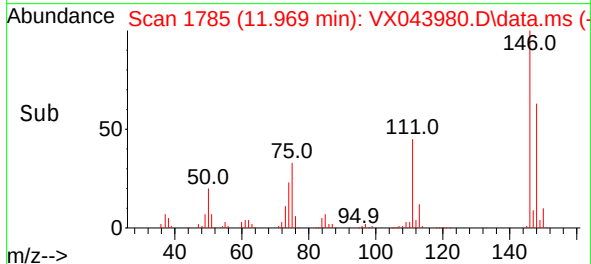
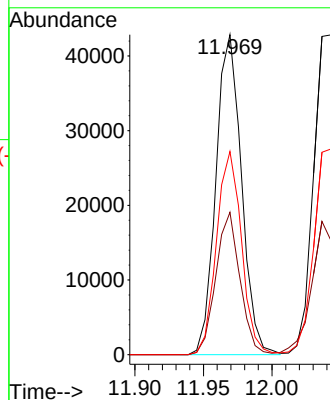
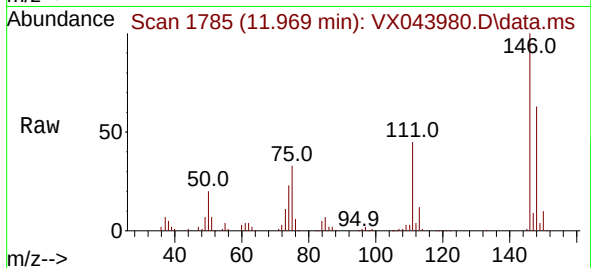
Tgt Ion:146 Resp: 55631

Ion Ratio Lower Upper

146 100

111 42.1 21.1 63.3

148 62.2 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 18.474 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

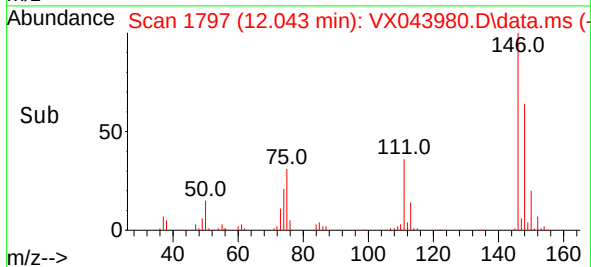
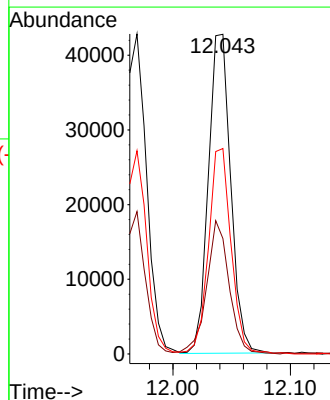
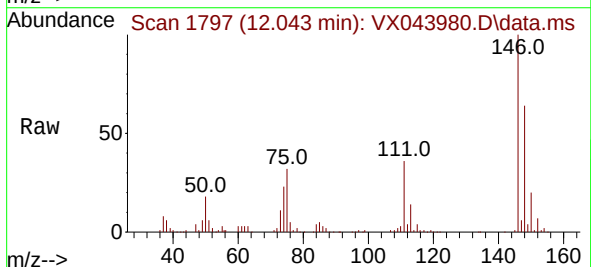
Tgt Ion:146 Resp: 56264

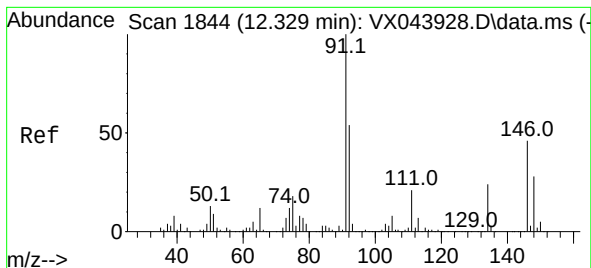
Ion Ratio Lower Upper

146 100

111 42.3 20.1 60.3

148 65.5 30.9 92.8





#89

n-Butylbenzene

Concen: 18.588 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

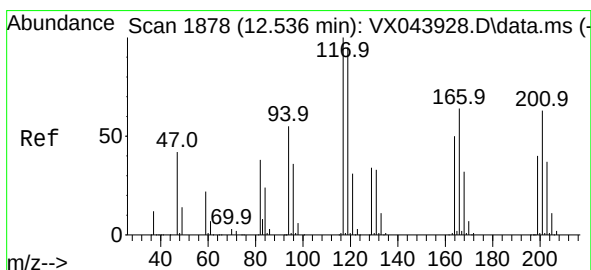
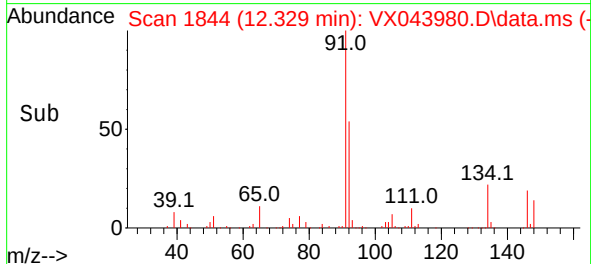
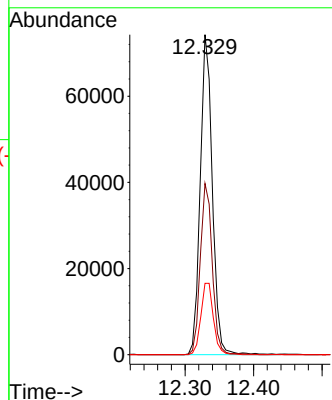
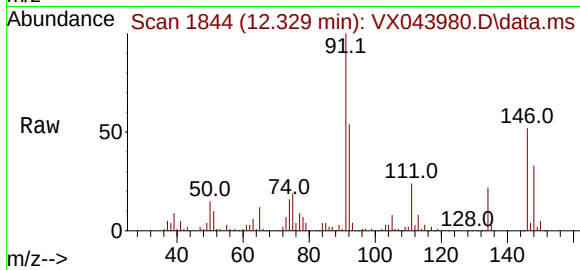
Tgt Ion: 91 Resp: 91448

Ion Ratio Lower Upper

91 100

92 53.0 26.6 79.8

134 23.1 12.4 37.2



#90

Hexachloroethane

Concen: 16.728 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX043980.D

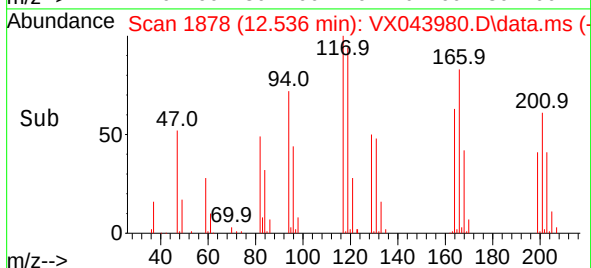
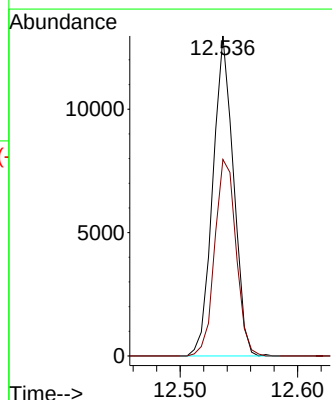
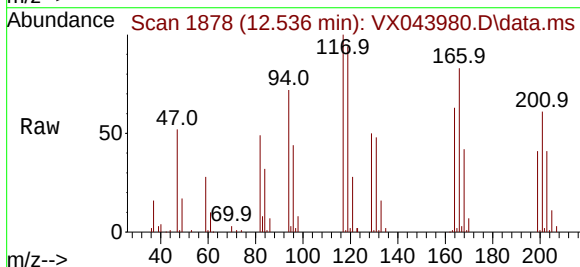
Acq: 25 Nov 2024 12:41

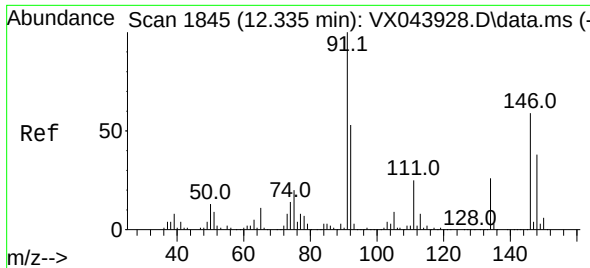
Tgt Ion: 117 Resp: 15872

Ion Ratio Lower Upper

117 100

201 63.4 32.4 97.0

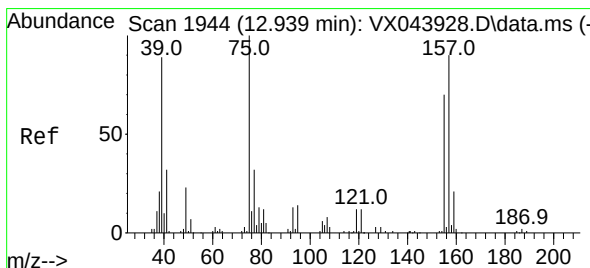
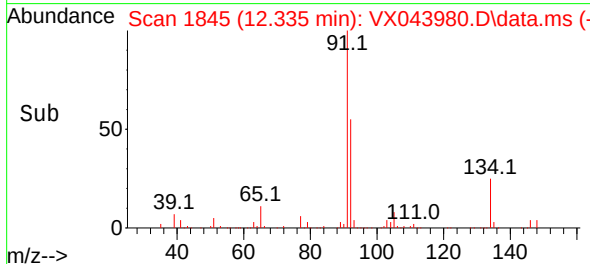
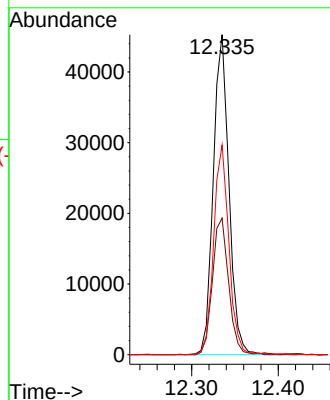
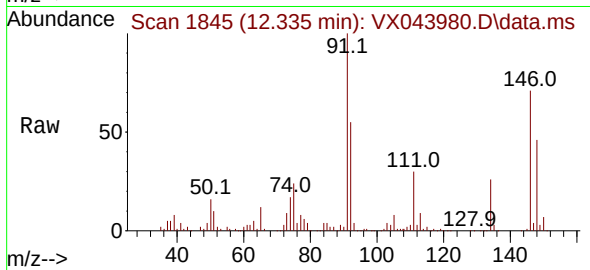




#91  
1,2-Dichlorobenzene  
Concen: 18.869 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

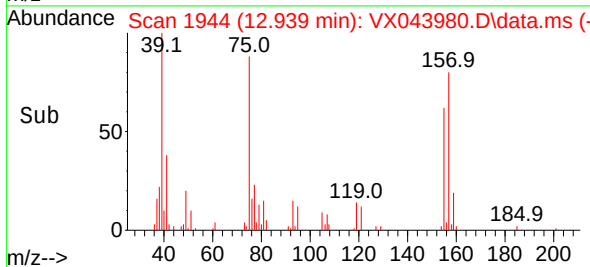
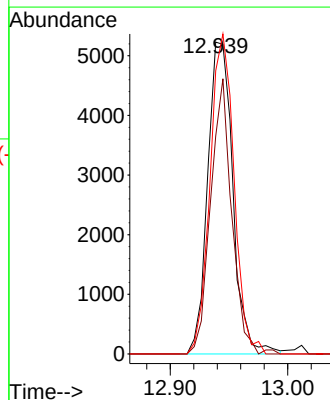
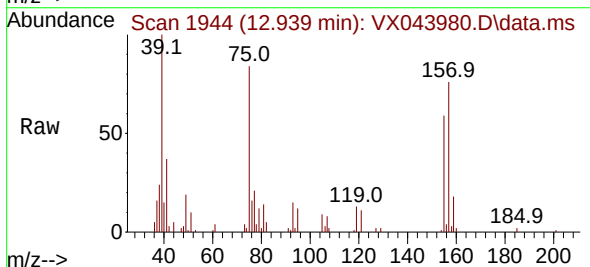
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1125WBS01

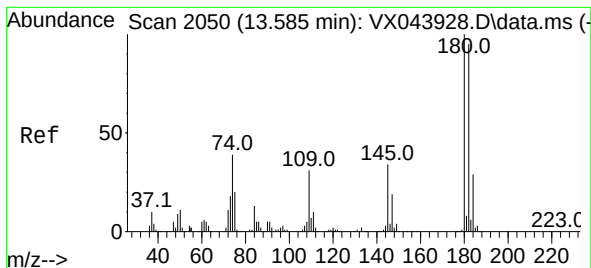
Tgt Ion:146 Resp: 56883  
Ion Ratio Lower Upper  
146 100  
111 44.0 21.5 64.5  
148 63.9 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 16.475 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX043980.D  
Acq: 25 Nov 2024 12:41

Tgt Ion: 75 Resp: 7772  
Ion Ratio Lower Upper  
75 100  
155 74.4 40.1 120.2  
157 97.8 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 17.225 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

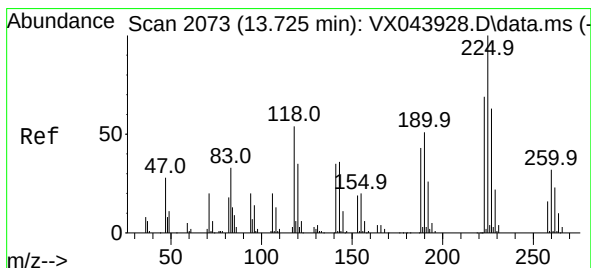
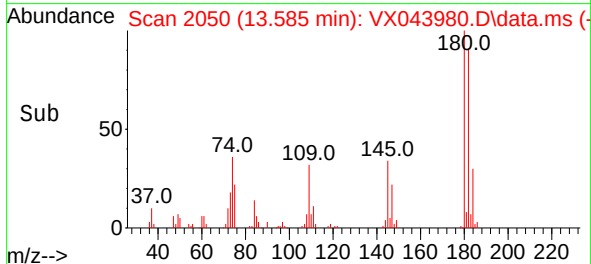
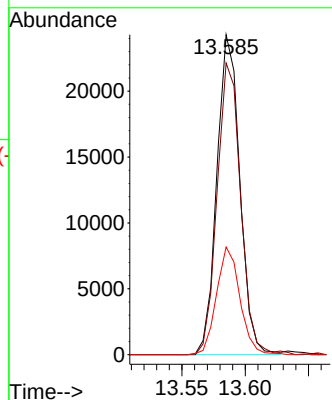
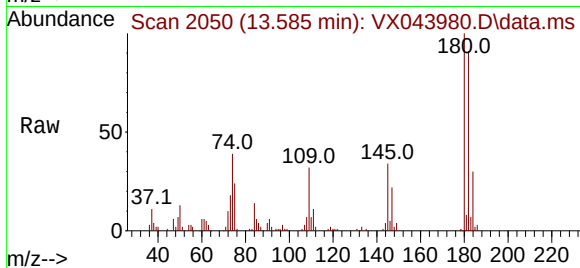
Tgt Ion:180 Resp: 30614

Ion Ratio Lower Upper

180 100

182 93.3 48.0 144.2

145 34.3 16.8 50.4



#94

Hexachlorobutadiene

Concen: 18.763 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

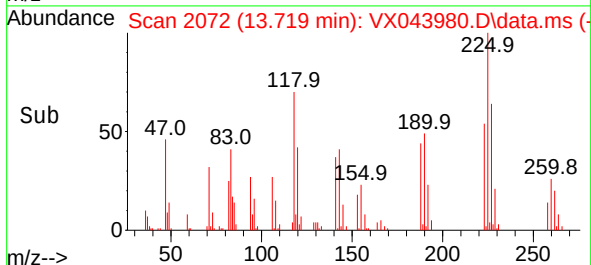
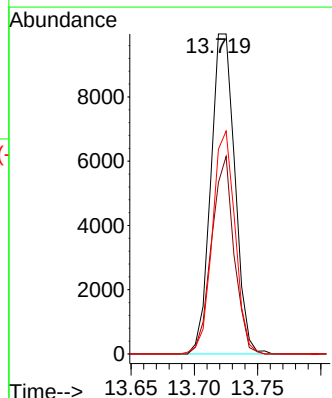
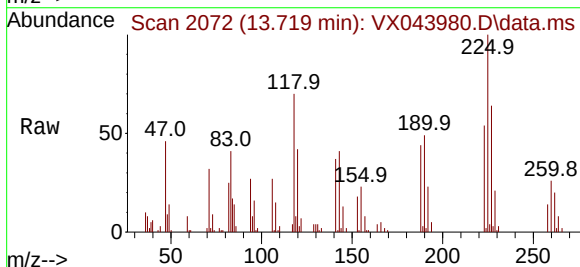
Tgt Ion:225 Resp: 13180

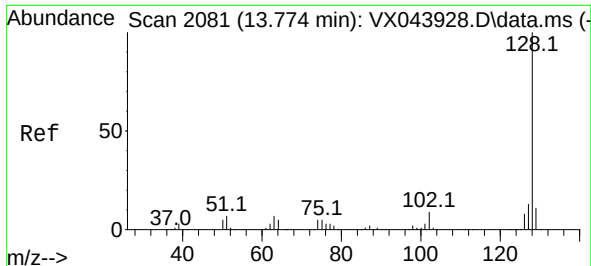
Ion Ratio Lower Upper

225 100

223 57.5 32.9 98.6

227 65.6 31.6 94.8





#95

Naphthalene

Concen: 17.718 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

Instrument :

MSVOA\_X

ClientSampleId :

VX1125WBS01

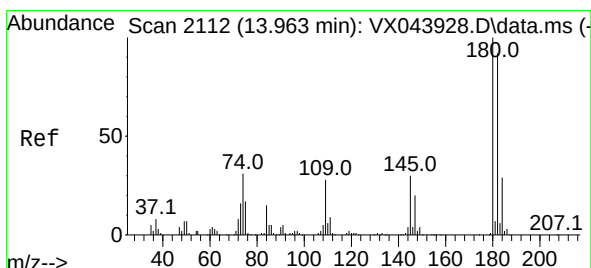
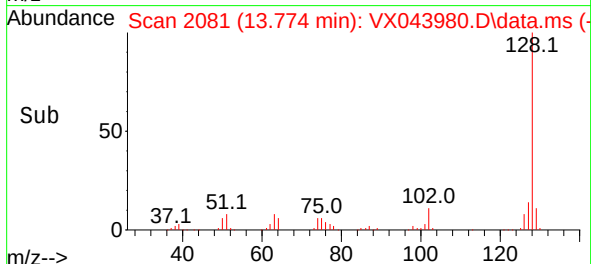
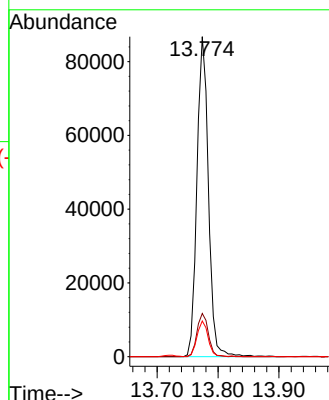
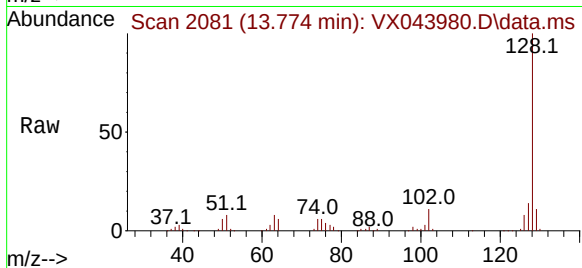
Tgt Ion:128 Resp: 113362

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.2

129 10.8 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 17.867 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX043980.D

Acq: 25 Nov 2024 12:41

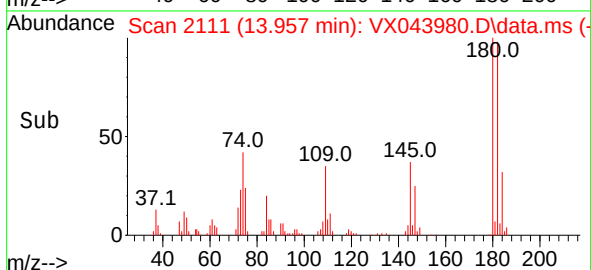
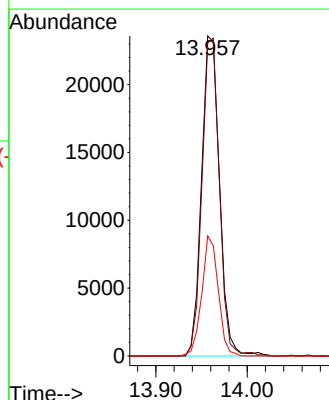
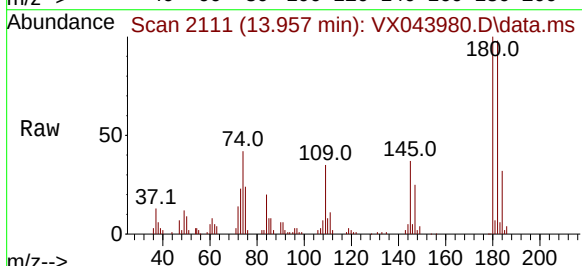
Tgt Ion:180 Resp: 32142

Ion Ratio Lower Upper

180 100

182 95.9 45.6 136.8

145 34.4 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Nov 27 07:49:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 127411   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 230970   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 194454   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 92098    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 108399   | 49.603   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 99.200% |
| 35) Dibromofluoromethane  | 5.379  | 113   | 80883    | 49.008   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 98.020% |
| 50) Toluene-d8            | 8.647  | 98    | 274647   | 48.276   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 96.560% |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 93312    | 48.195   | ug/l | 0.00    |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 96.380% |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 71081   | 44.038  | ug/l | 99     |
| 3) Chloromethane             | 1.294 | 50  | 78664   | 46.313  | ug/l | 99     |
| 4) Vinyl Chloride            | 1.374 | 62  | 80918   | 44.790  | ug/l | 100    |
| 5) Bromomethane              | 1.593 | 94  | 52450   | 47.193  | ug/l | 99     |
| 6) Chloroethane              | 1.660 | 64  | 46244   | 42.008  | ug/l | 98     |
| 7) Trichlorofluoromethane    | 1.867 | 101 | 165837  | 51.343  | ug/l | 99     |
| 8) Diethyl Ether             | 2.136 | 74  | 55362   | 47.026  | ug/l | 98     |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 68534   | 44.482  | ug/l | 98     |
| 10) Methyl Iodide            | 2.441 | 142 | 91928   | 47.774  | ug/l | 98     |
| 11) Tert butyl alcohol       | 3.008 | 59  | 75117   | 214.153 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 66473   | 45.277  | ug/l | 97     |
| 13) Acrolein                 | 2.239 | 56  | 81340   | 220.005 | ug/l | 100    |
| 14) Allyl chloride           | 2.654 | 41  | 111152  | 46.334  | ug/l | 96     |
| 15) Acrylonitrile            | 3.068 | 53  | 194832  | 227.931 | ug/l | 99     |
| 16) Acetone                  | 2.386 | 43  | 182019  | 181.348 | ug/l | 98     |
| 17) Carbon Disulfide         | 2.502 | 76  | 123054  | 40.633  | ug/l | 98     |
| 18) Methyl Acetate           | 2.703 | 43  | 108592  | 46.459  | ug/l | 100    |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 257713  | 48.344  | ug/l | 100    |
| 20) Methylene Chloride       | 2.782 | 84  | 78049   | 45.823  | ug/l | 95     |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 70242   | 46.341  | ug/l | 98     |
| 22) Diisopropyl ether        | 3.763 | 45  | 248793  | 48.501  | ug/l | 97     |
| 23) Vinyl Acetate            | 3.721 | 43  | 1067324 | 243.229 | ug/l | 100    |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 143036  | 48.335  | ug/l | 99     |
| 25) 2-Butanone               | 4.562 | 43  | 280296  | 216.431 | ug/l | 99     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 113002  | 42.282  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 87798   | 46.860  | ug/l | 98     |
| 28) Bromochloromethane       | 4.891 | 49  | 60444   | 46.403  | ug/l | 94     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 178100  | 224.316 | ug/l | 99     |
| 30) Chloroform               | 5.093 | 83  | 154278  | 48.472  | ug/l | 97     |
| 31) Cyclohexane              | 5.458 | 56  | 110406  | 45.330  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 136540  | 49.746  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 97191   | 47.258  | ug/l | 98     |
| 37) Ethyl Acetate            | 4.721 | 43  | 112998  | 44.263  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 107711  | 46.611  | ug/l | 99     |
| 39) Methylcyclohexane        | 7.373 | 83  | 115415  | 43.198  | ug/l | 97     |
| 40) Benzene                  | 6.031 | 78  | 302293  | 47.188  | ug/l | 99     |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
 Data File : VX044002.D  
 Acq On : 25 Nov 2024 21:12  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

Quant Time: Nov 27 07:49:24 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 59772    | 45.746  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 121500   | 47.224  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 187057   | 46.041  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 74936    | 41.321  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 75945    | 48.403  | ug/l   | 100      |
| 46) Dibromomethane            | 7.580  | 93   | 60872    | 49.045  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 108968   | 48.953  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 89938    | 46.134  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.671  | 88   | 26983    | 777.017 | ug/l   | 87       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 577015   | 232.731 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 184390   | 48.090  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 106834   | 47.064  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 116499   | 46.816  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 73702    | 46.565  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 119993   | 48.673  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 126279   | 47.362  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 307827   | 227.585 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 425456   | 228.307 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 75667    | 47.648  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 77546    | 48.453  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 61147    | 47.689  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 198294   | 46.431  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 68431    | 49.406  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 350901   | 48.488  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 259765   | 96.253  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 130506   | 49.529  | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 215539   | 49.457  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 45268    | 43.484  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.963 | 105  | 338668   | 47.838  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 162298   | 49.487  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 114325   | 47.162  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 121420   | 60.118  | ug/l   | 84       |
| 77) Bromobenzene              | 11.195 | 156  | 79395    | 47.012  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 375124   | 47.443  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 230455   | 46.093  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 282567   | 48.515  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 31367    | 42.379  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 266480   | 47.210  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 279783   | 48.465  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 281922   | 48.618  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 336886   | 47.629  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 282100   | 49.100  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 144052   | 46.833  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 144135   | 45.963  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 241187   | 47.613  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 44297    | 45.341  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 147432   | 47.496  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 22554    | 46.434  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 83033    | 45.372  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 34135    | 47.196  | ug/l   | 95       |
| 95) Naphthalene               | 13.774 | 128  | 317925   | 48.261  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 89710    | 48.432  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112524\  
Data File : VX044002.D  
Acq On : 25 Nov 2024 21:12  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

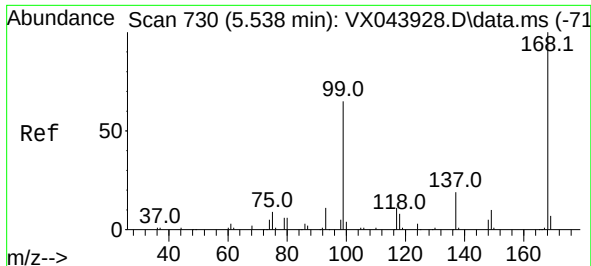
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ClientSampleId :  
VSTDCCC050EC

Quant Time: Nov 27 07:49:24 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

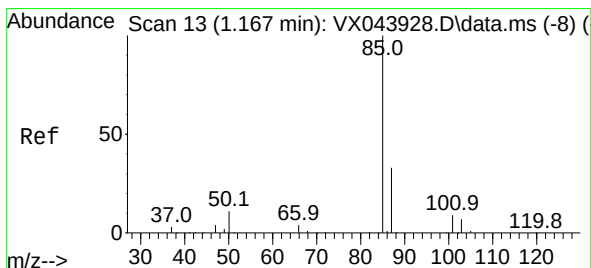
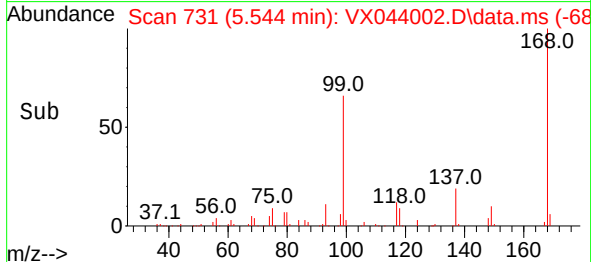
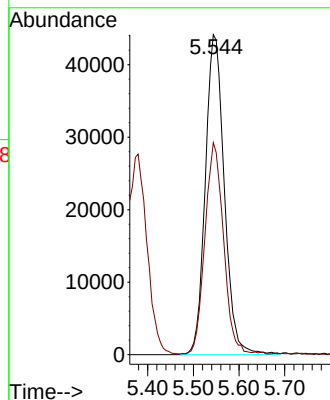
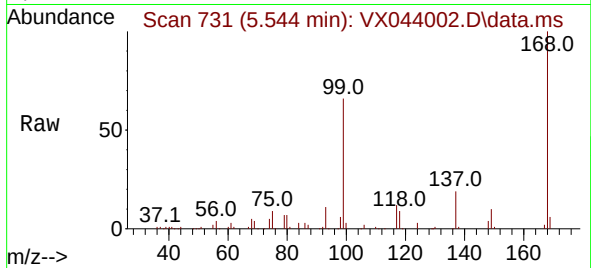




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

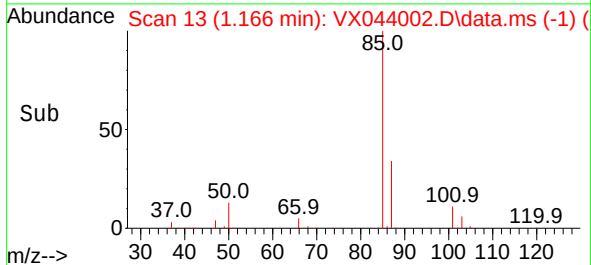
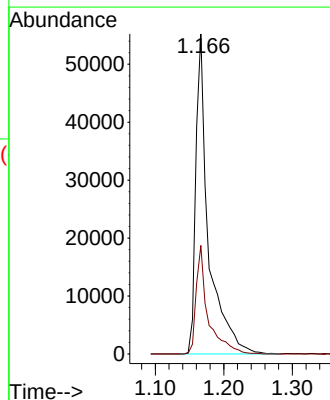
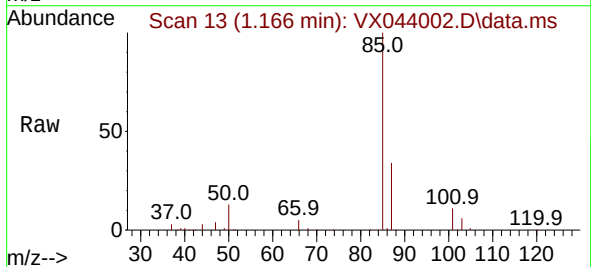
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

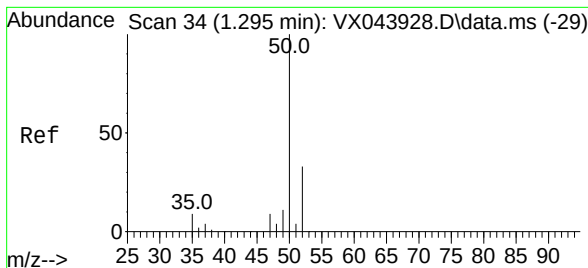
Tgt Ion:168 Resp: 127411  
Ion Ratio Lower Upper  
168 100  
99 66.0 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 44.038 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 85 Resp: 71081  
Ion Ratio Lower Upper  
85 100  
87 33.9 16.6 49.8





#3

Chloromethane

Concen: 46.313 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

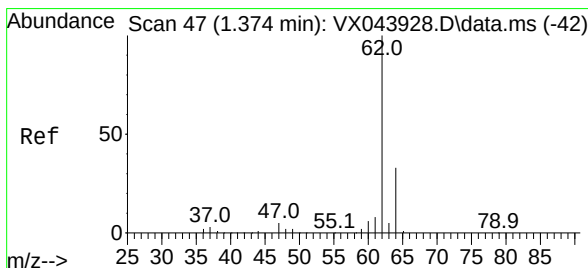
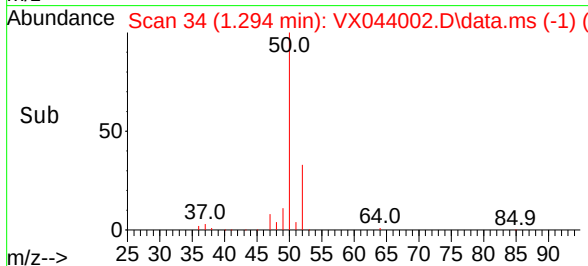
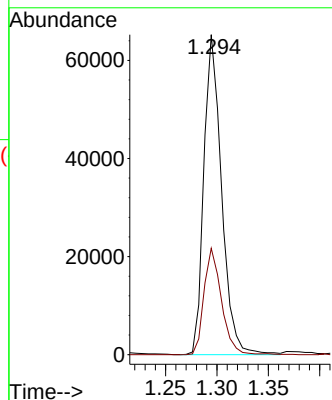
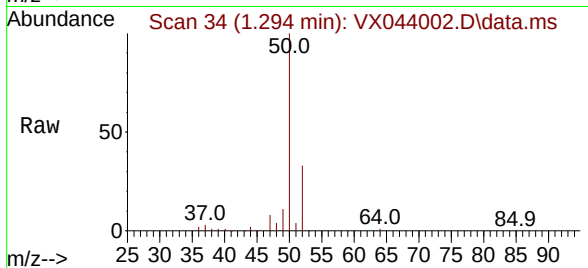
VSTDCCC050EC

Tgt Ion: 50 Resp: 78664

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 44.790 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044002.D

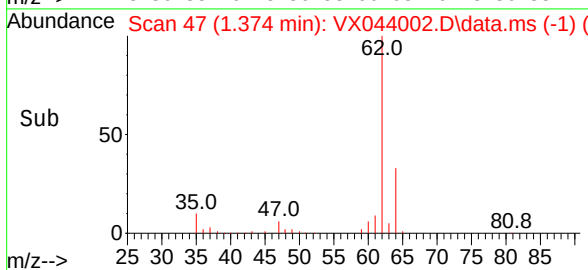
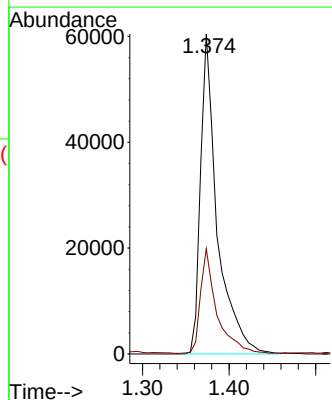
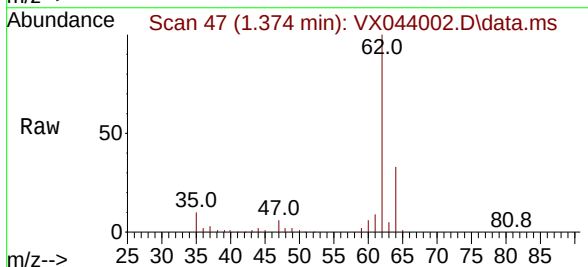
Acq: 25 Nov 2024 21:12

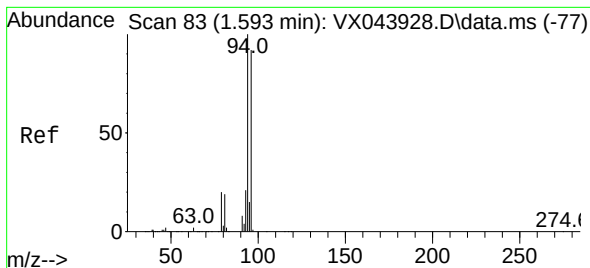
Tgt Ion: 62 Resp: 80918

Ion Ratio Lower Upper

62 100

64 32.7 26.2 39.4





#5

Bromomethane

Concen: 47.193 ug/l

RT: 1.593 min Scan# 83

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

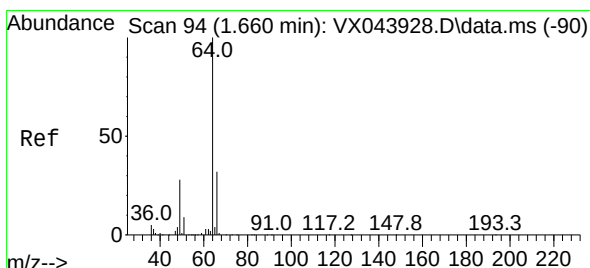
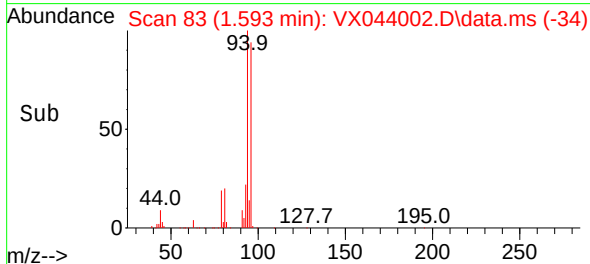
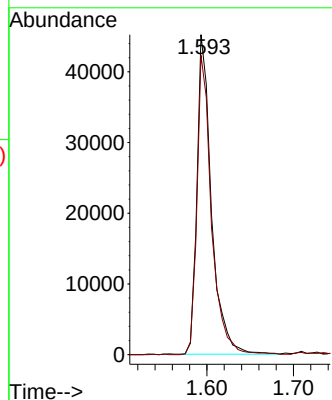
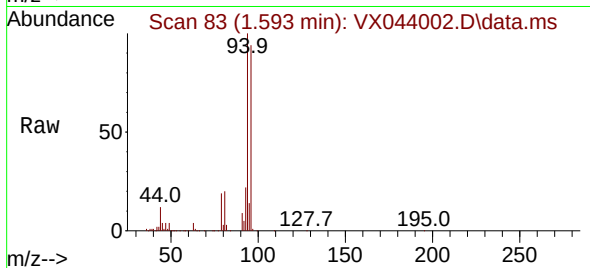
VSTDCCC050EC

Tgt Ion: 94 Resp: 52450

Ion Ratio Lower Upper

94 100

96 93.7 73.9 110.9



#6

Chloroethane

Concen: 42.008 ug/l

RT: 1.660 min Scan# 94

Delta R.T. -0.000 min

Lab File: VX044002.D

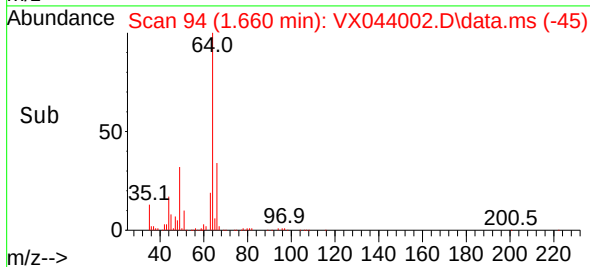
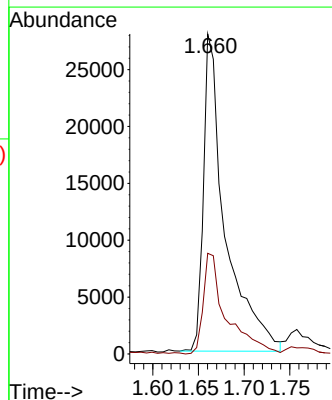
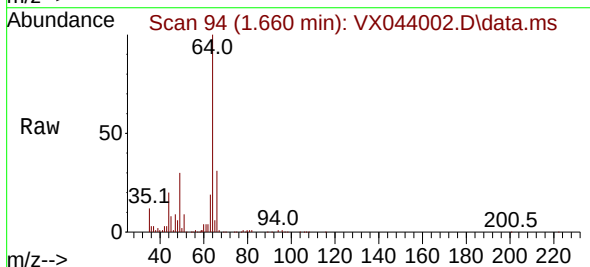
Acq: 25 Nov 2024 21:12

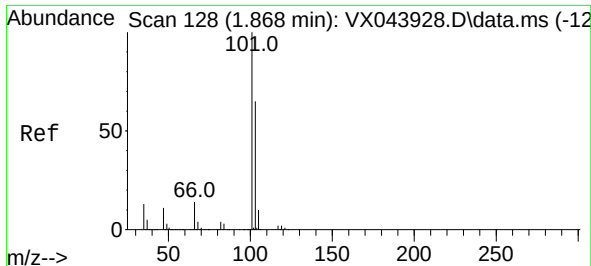
Tgt Ion: 64 Resp: 46244

Ion Ratio Lower Upper

64 100

66 31.4 25.9 38.9

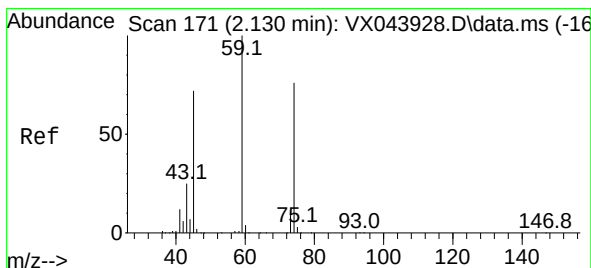
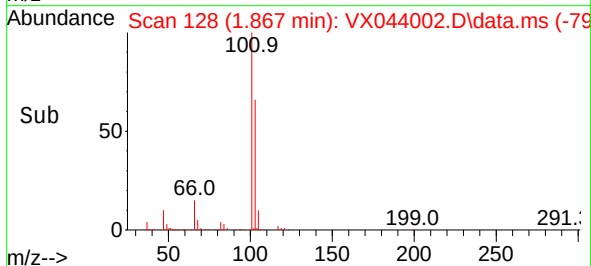
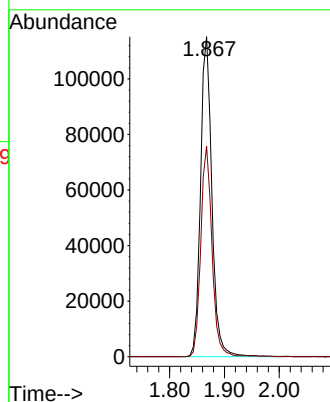
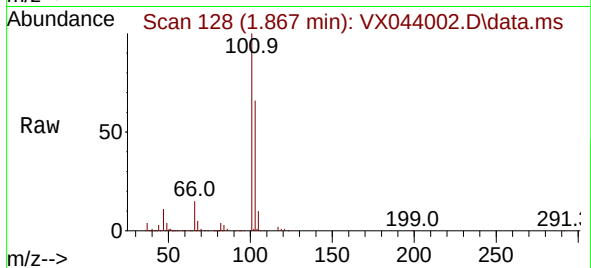




#7  
 Trichlorofluoromethane  
 Concen: 51.343 ug/l  
 RT: 1.867 min Scan# 11  
 Delta R.T. -0.000 min  
 Lab File: VX044002.D  
 Acq: 25 Nov 2024 21:12

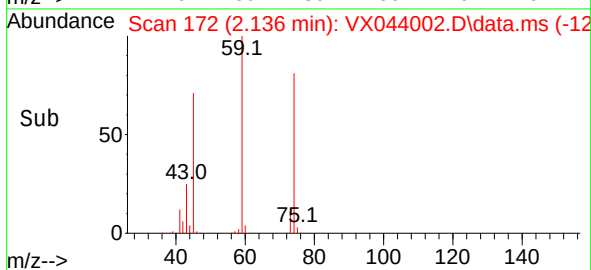
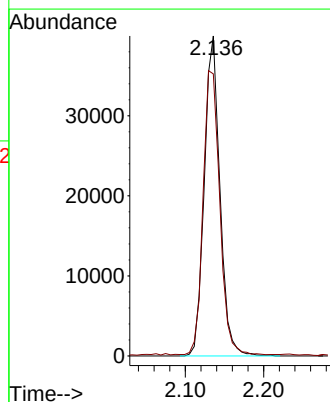
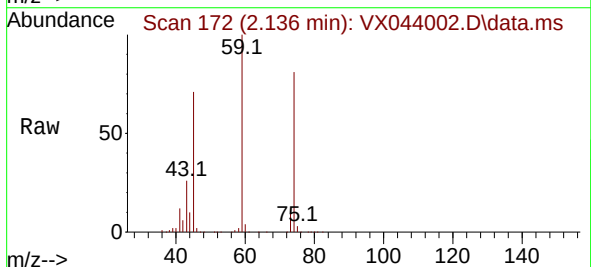
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

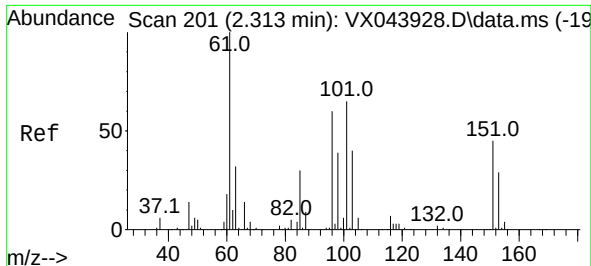
Tgt Ion:101 Resp: 165837  
 Ion Ratio Lower Upper  
 101 100  
 103 65.7 52.2 78.2



#8  
 Diethyl Ether  
 Concen: 47.026 ug/l  
 RT: 2.136 min Scan# 172  
 Delta R.T. 0.006 min  
 Lab File: VX044002.D  
 Acq: 25 Nov 2024 21:12

Tgt Ion: 74 Resp: 55362  
 Ion Ratio Lower Upper  
 74 100  
 45 94.1 47.9 143.6

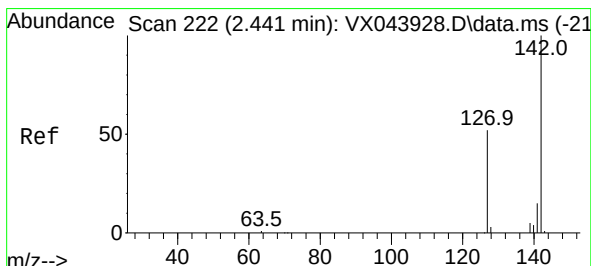
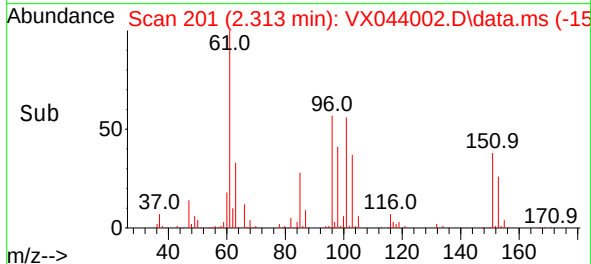
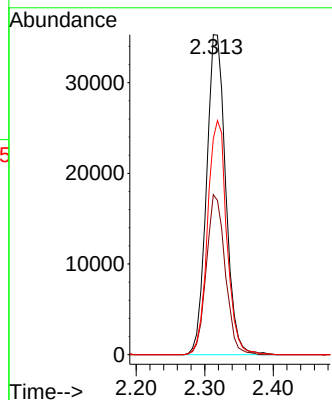
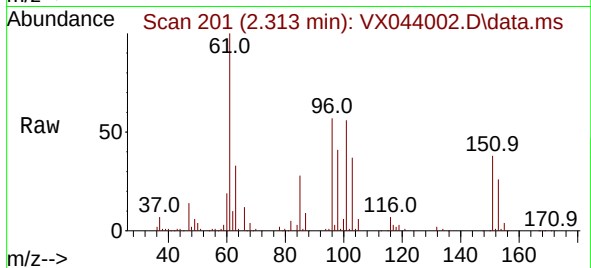




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 44.482 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

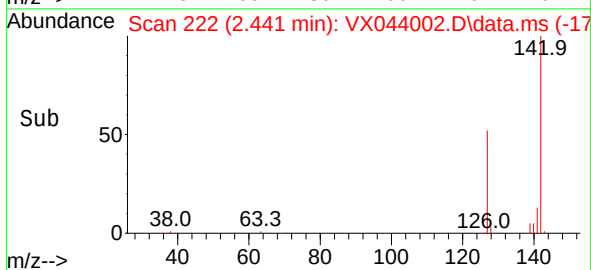
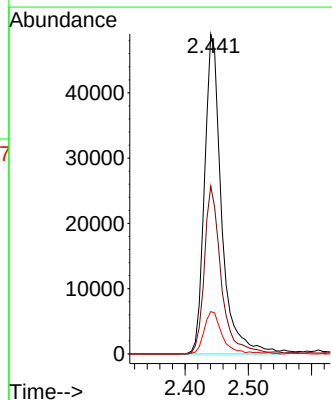
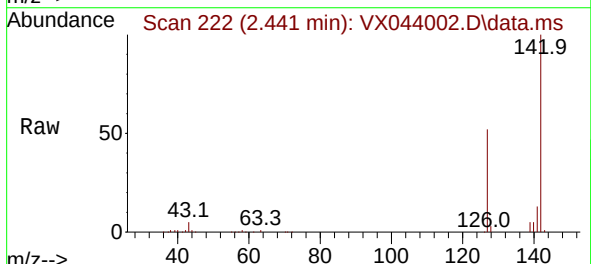
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:101 Resp: 68534  
Ion Ratio Lower Upper  
101 100  
85 49.3 37.9 56.9  
151 73.3 57.5 86.3

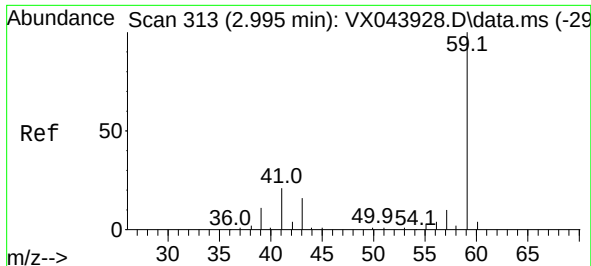


#10  
Methyl Iodide  
Concen: 47.774 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion:142 Resp: 91928  
Ion Ratio Lower Upper  
142 100  
127 52.2 40.7 61.1  
141 14.3 12.0 18.0



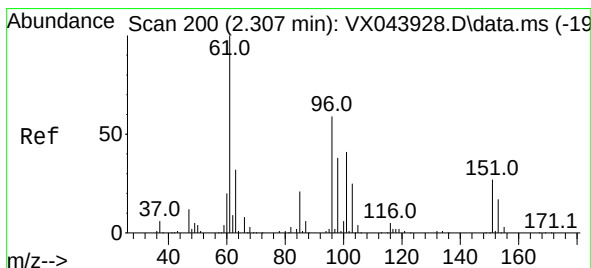
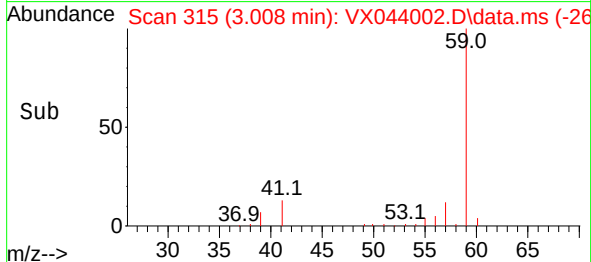
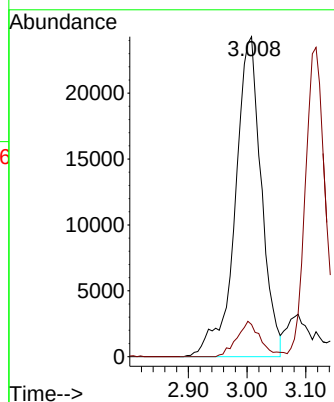
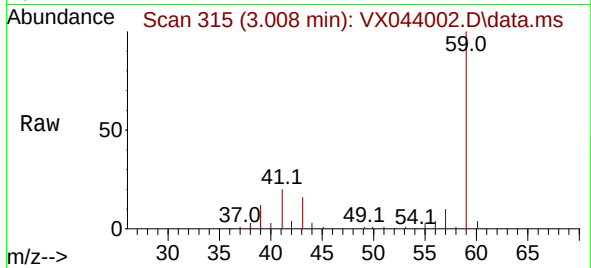




#11  
Tert butyl alcohol  
Concen: 214.153 ug/l  
RT: 3.008 min Scan# 313  
Delta R.T. 0.012 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

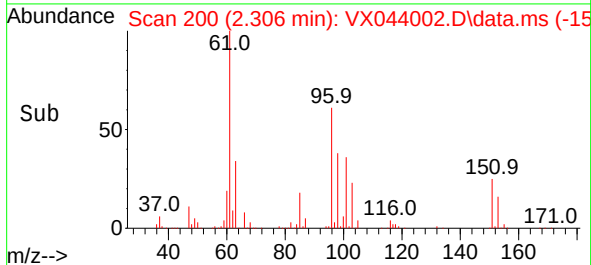
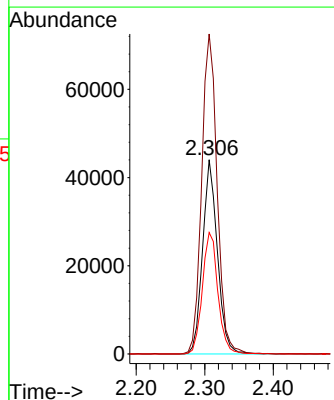
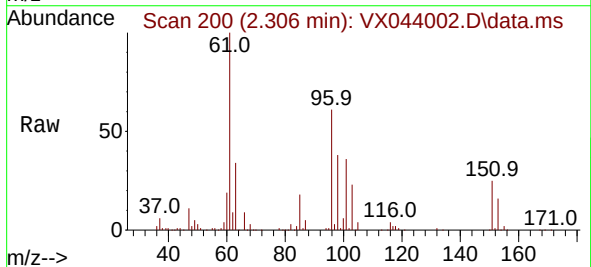
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

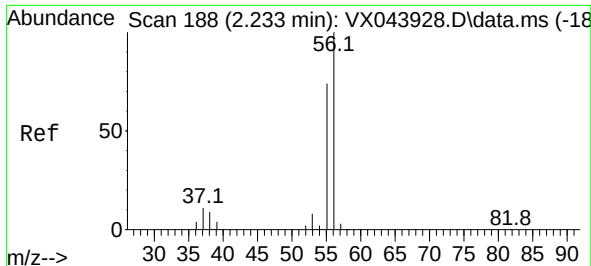
Tgt Ion: 59 Resp: 75117  
Ion Ratio Lower Upper  
59 100  
57 10.1 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 45.277 ug/l  
RT: 2.306 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 96 Resp: 66473  
Ion Ratio Lower Upper  
96 100  
61 164.7 135.5 203.3  
98 62.5 50.8 76.2

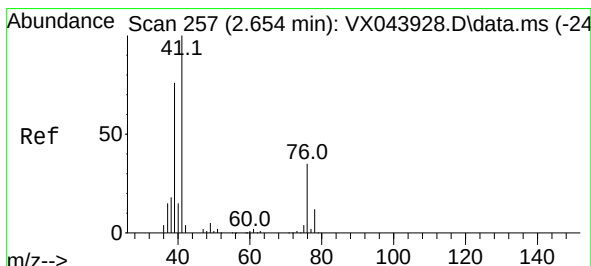
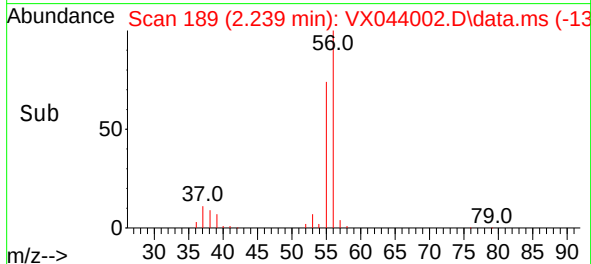
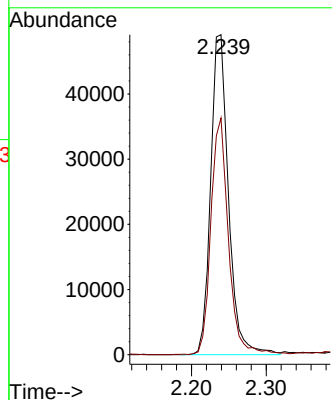
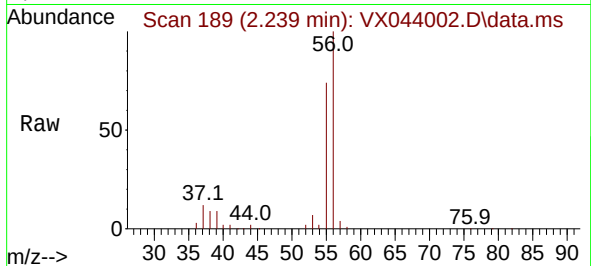




#13  
Acrolein  
Concen: 220.005 ug/l  
RT: 2.239 min Scan# 188  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

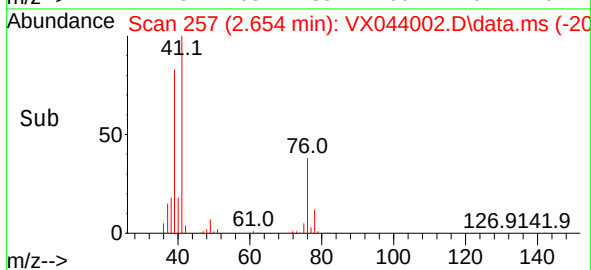
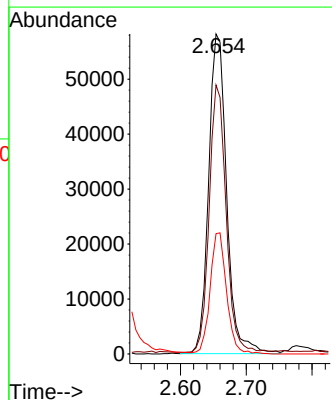
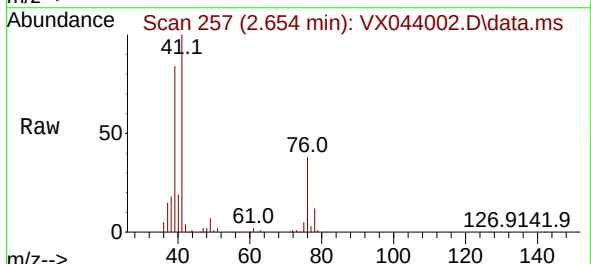
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

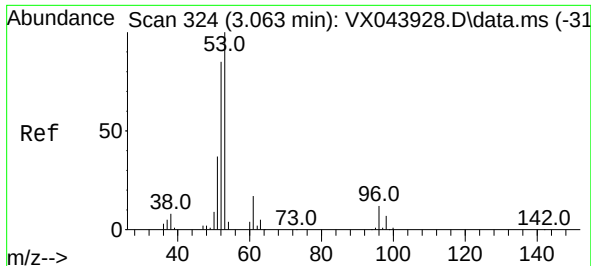
Tgt Ion: 56 Resp: 81340  
Ion Ratio Lower Upper  
56 100  
55 72.9 58.2 87.2



#14  
Allyl chloride  
Concen: 46.334 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 111152  
Ion Ratio Lower Upper  
41 100  
39 78.5 59.5 89.3  
76 34.7 27.4 41.2





#15

Acrylonitrile

Concen: 227.931 ug/l

RT: 3.068 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

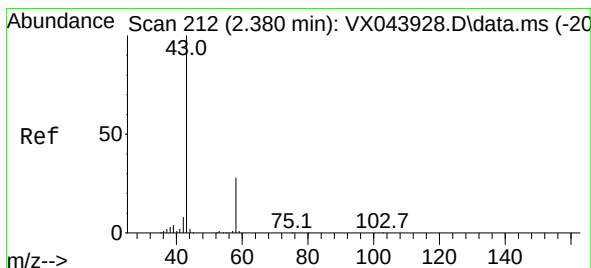
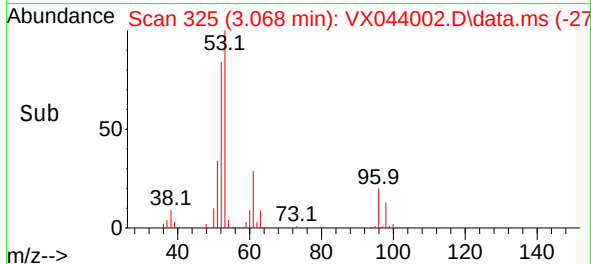
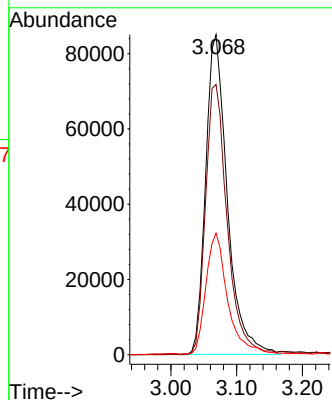
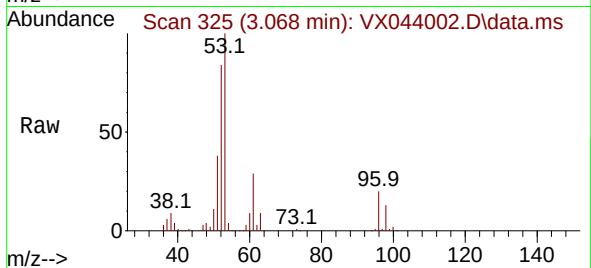
Tgt Ion: 53 Resp: 194832

Ion Ratio Lower Upper

53 100

52 84.6 66.5 99.7

51 38.0 30.2 45.4



#16

Acetone

Concen: 181.348 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.006 min

Lab File: VX044002.D

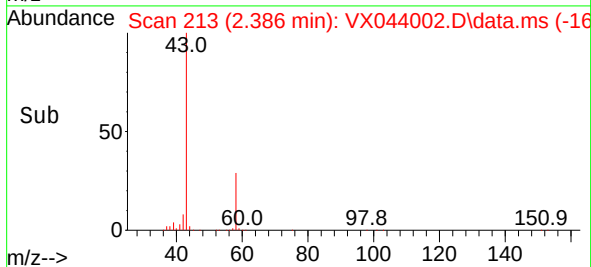
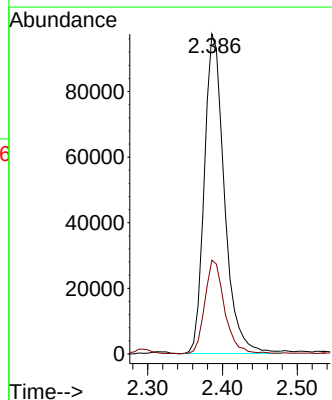
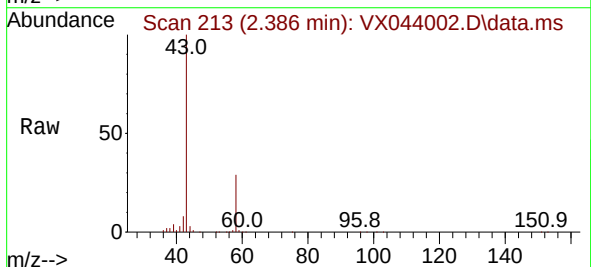
Acq: 25 Nov 2024 21:12

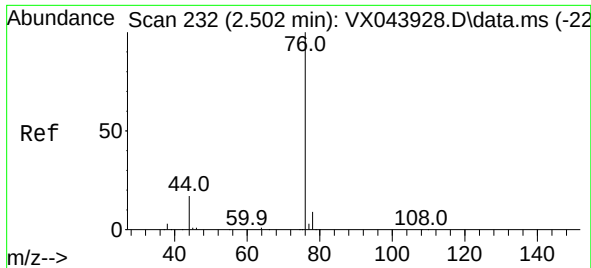
Tgt Ion: 43 Resp: 182019

Ion Ratio Lower Upper

43 100

58 29.3 22.7 34.1





#17

Carbon Disulfide

Concen: 40.633 ug/l

RT: 2.502 min Scan# 24

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

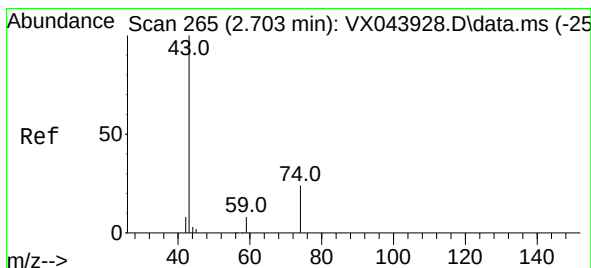
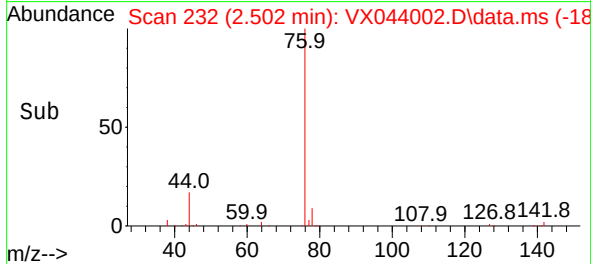
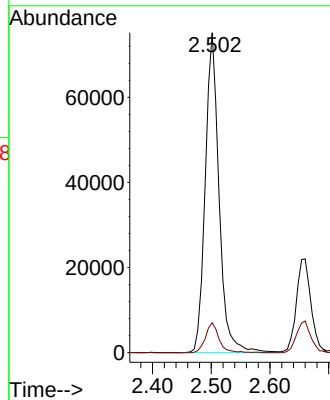
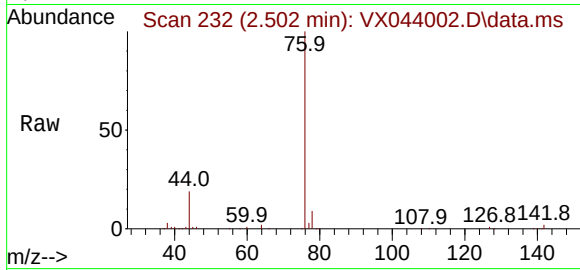
VSTDCCC050EC

Tgt Ion: 76 Resp: 123054

Ion Ratio Lower Upper

76 100

78 9.3 7.0 10.6



#18

Methyl Acetate

Concen: 46.459 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX044002.D

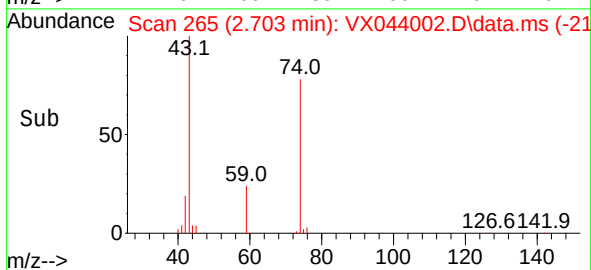
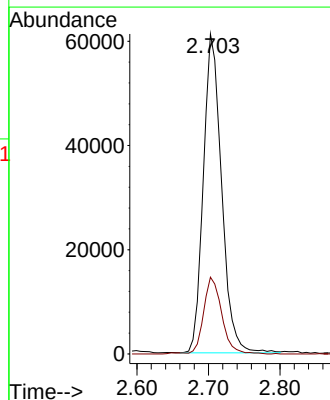
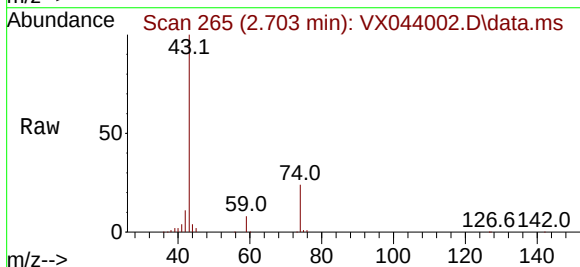
Acq: 25 Nov 2024 21:12

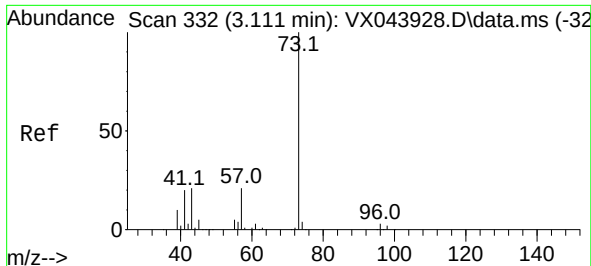
Tgt Ion: 43 Resp: 108592

Ion Ratio Lower Upper

43 100

74 23.8 18.9 28.3





#19

Methyl tert-butyl Ether

Concen: 48.344 ug/l

RT: 3.117 min Scan# 332

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

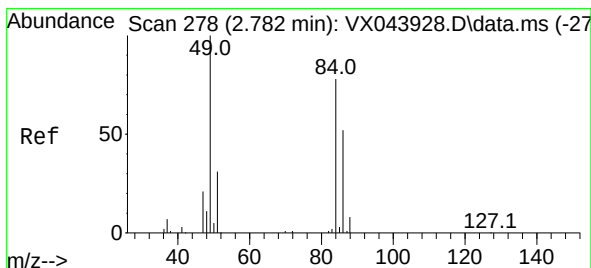
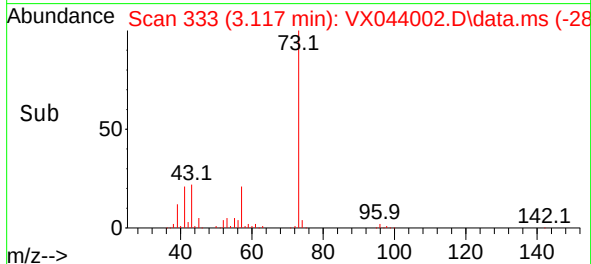
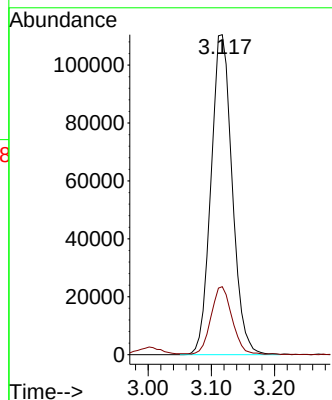
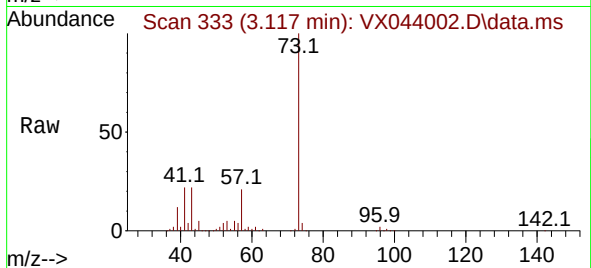
VSTDCCC050EC

Tgt Ion: 73 Resp: 257713

Ion Ratio Lower Upper

73 100

57 21.1 17.0 25.6



#20

Methylene Chloride

Concen: 45.823 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Tgt Ion: 84 Resp: 78049

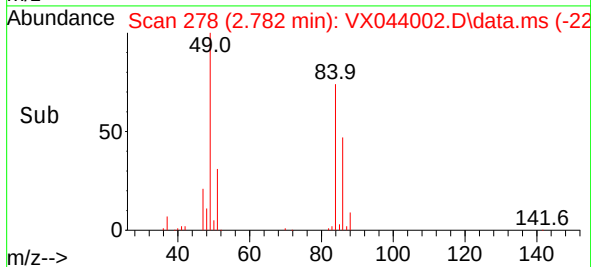
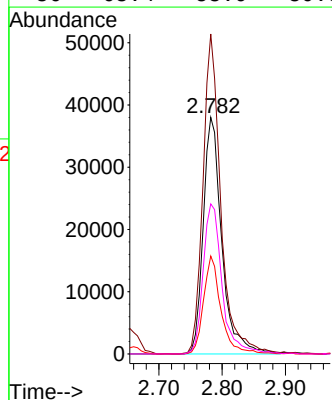
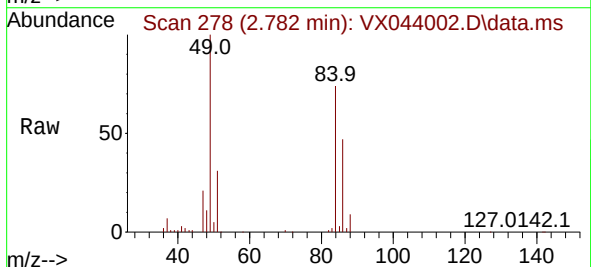
Ion Ratio Lower Upper

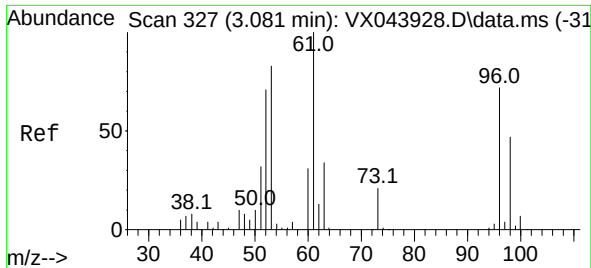
84 100

49 135.2 102.7 154.1

51 41.4 31.7 47.5

86 63.4 53.9 80.9

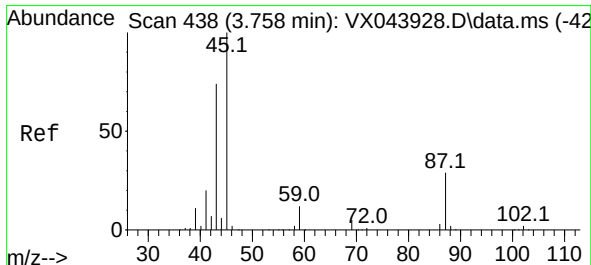
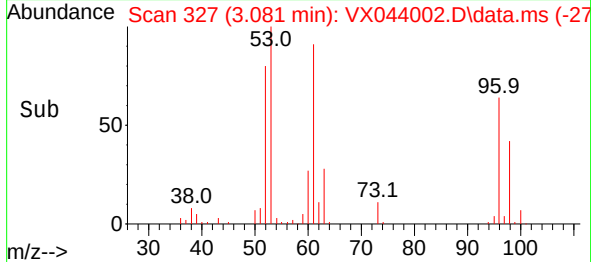
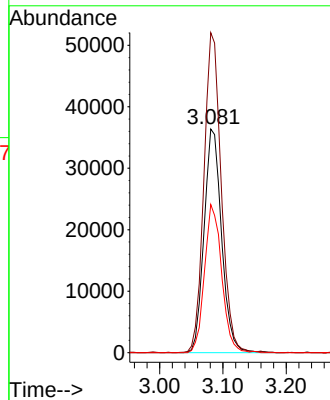
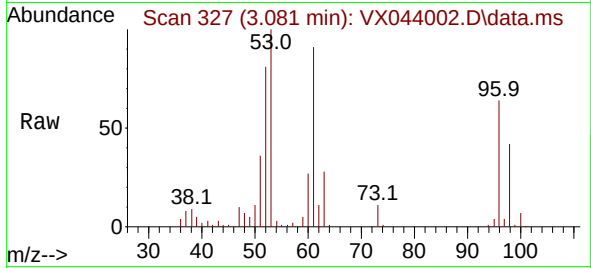




#21  
trans-1,2-Dichloroethene  
Concen: 46.341 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

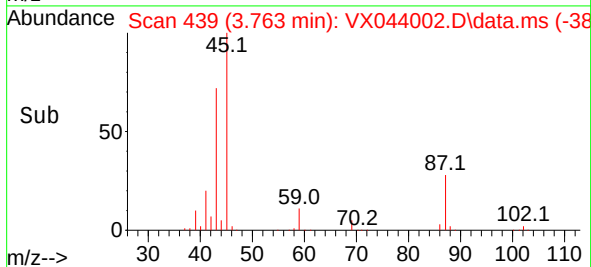
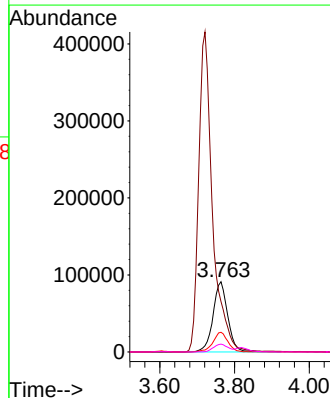
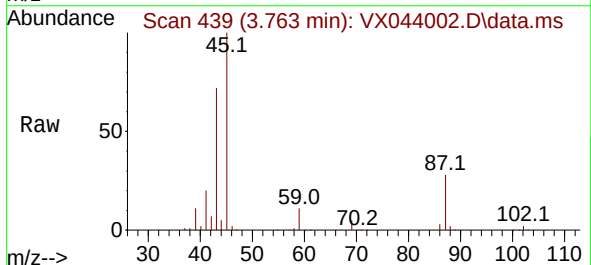
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

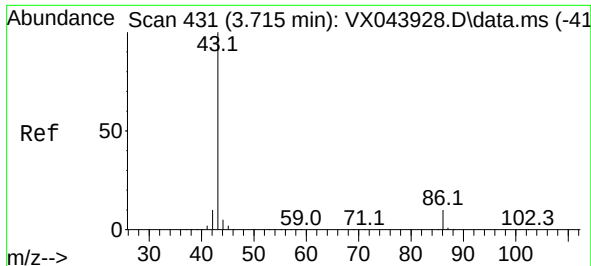
Tgt Ion: 96 Resp: 70242  
Ion Ratio Lower Upper  
96 100  
61 143.0 111.8 167.6  
98 66.2 52.7 79.1



#22  
Diisopropyl ether  
Concen: 48.501 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 45 Resp: 248793  
Ion Ratio Lower Upper  
45 100  
43 71.6 59.6 89.4  
87 27.9 22.9 34.3  
59 11.1 9.8 14.6

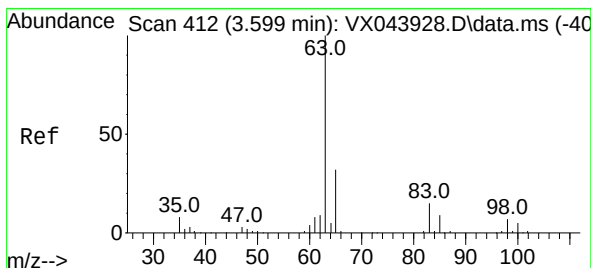
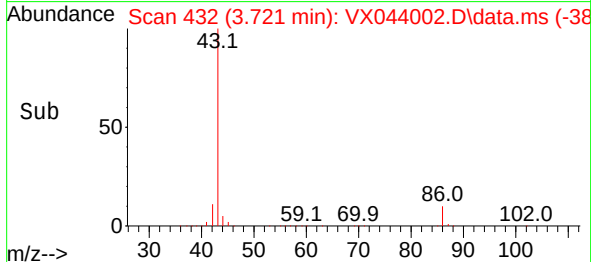
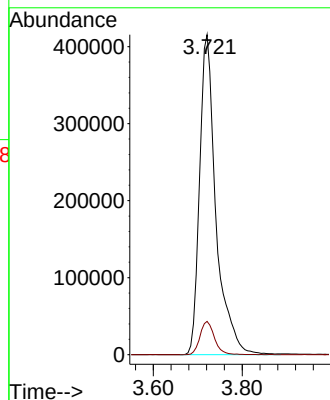
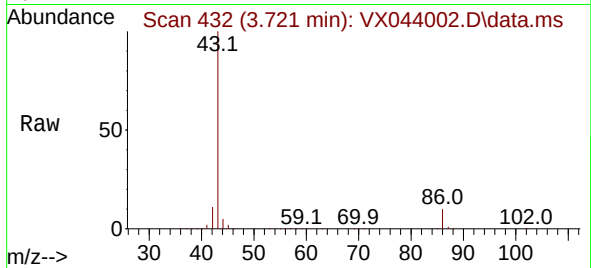




#23  
 Vinyl Acetate  
 Concen: 243.229 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX044002.D  
 Acq: 25 Nov 2024 21:12

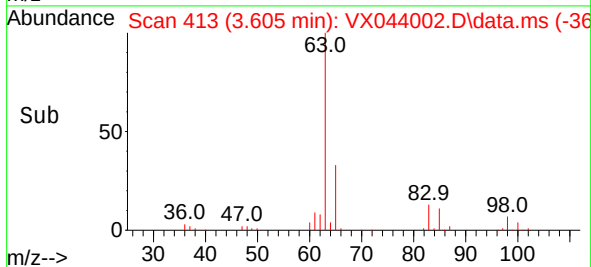
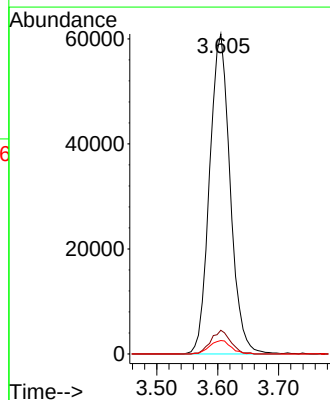
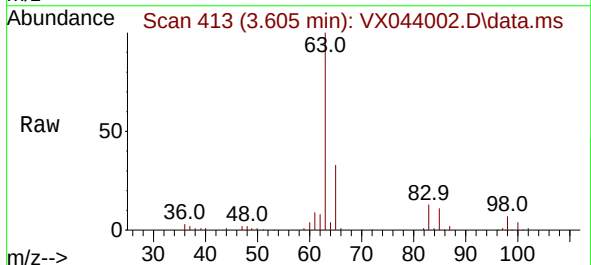
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

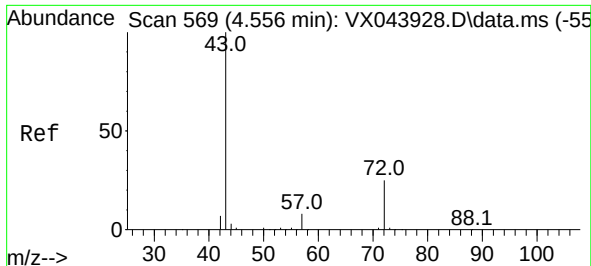
Tgt Ion: 43 Resp: 1067324  
 Ion Ratio Lower Upper  
 43 100  
 86 10.4 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 48.335 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX044002.D  
 Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 143036  
 Ion Ratio Lower Upper  
 63 100  
 98 7.4 3.5 10.6  
 100 4.2 2.4 7.1





#25

2-Butanone

Concen: 216.431 ug/l

RT: 4.562 min Scan# 5

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

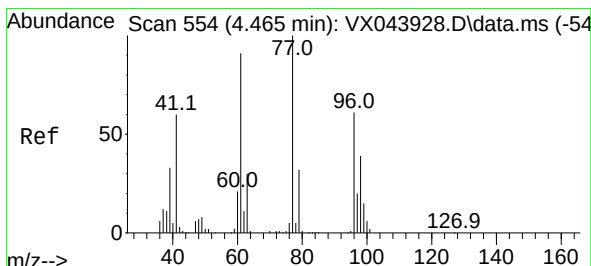
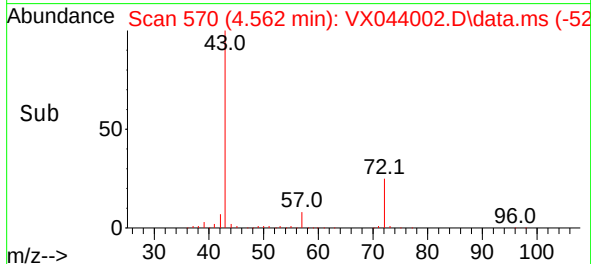
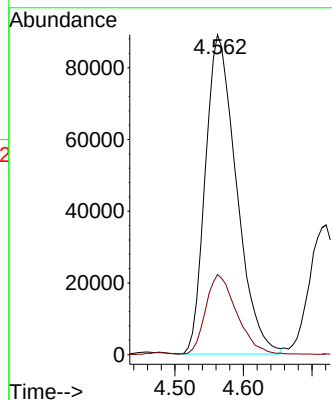
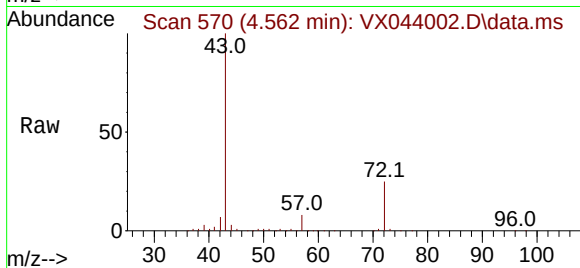
VSTDCCC050EC

Tgt Ion: 43 Resp: 280296

Ion Ratio Lower Upper

43 100

72 24.9 20.2 30.2



#26

2,2-Dichloropropane

Concen: 42.282 ug/l

RT: 4.471 min Scan# 555

Delta R.T. 0.006 min

Lab File: VX044002.D

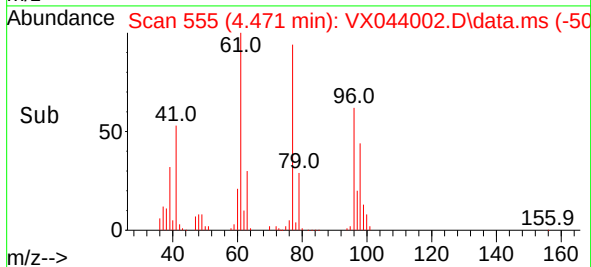
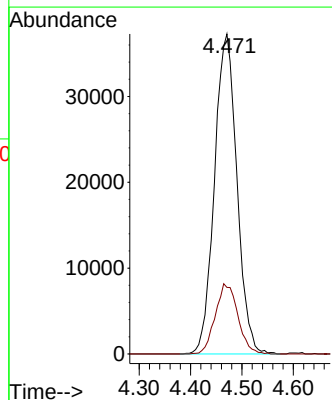
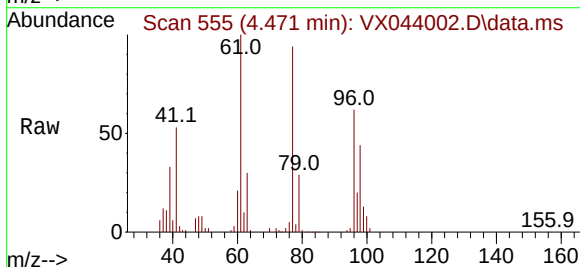
Acq: 25 Nov 2024 21:12

Tgt Ion: 77 Resp: 113002

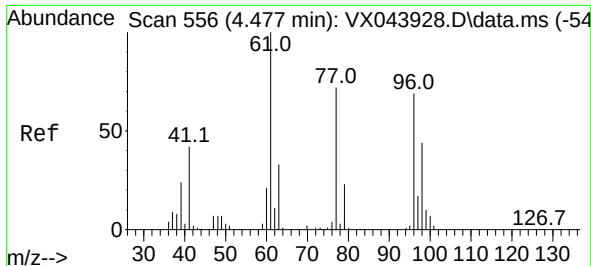
Ion Ratio Lower Upper

77 100

97 22.1 10.8 32.3



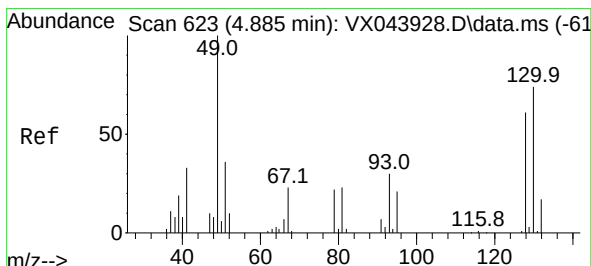
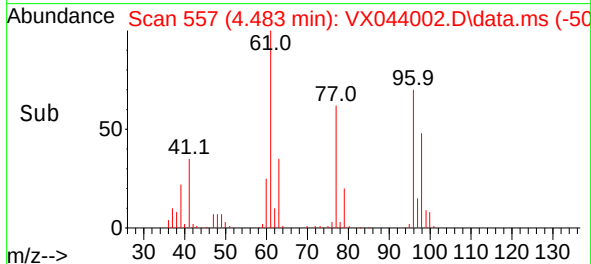
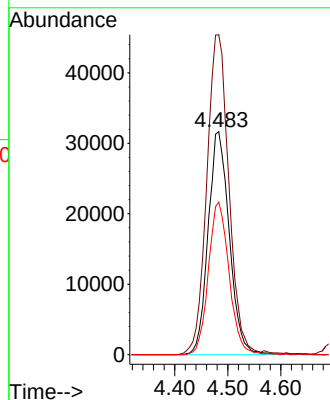
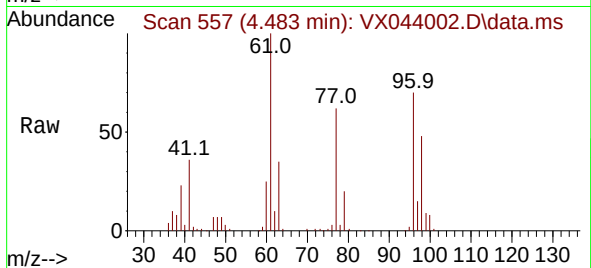




#27  
 cis-1,2-Dichloroethene  
 Concen: 46.860 ug/l  
 RT: 4.483 min Scan# 556  
 Delta R.T. 0.006 min  
 Lab File: VX044002.D  
 Acq: 25 Nov 2024 21:12

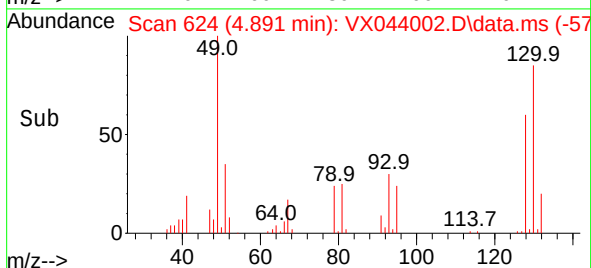
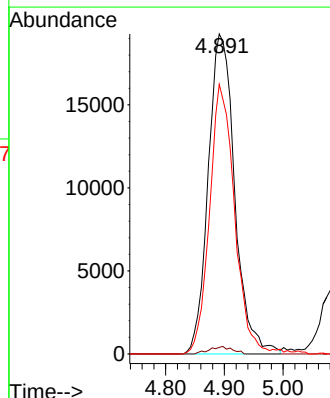
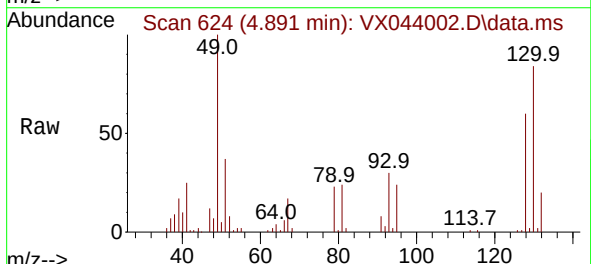
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

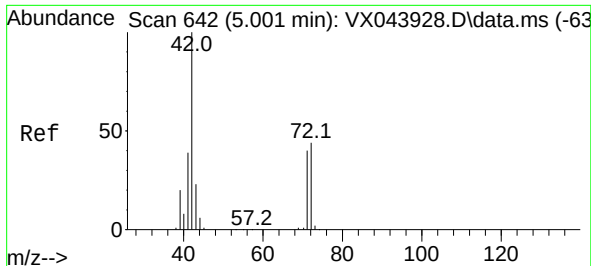
Tgt Ion: 96 Resp: 87798  
 Ion Ratio Lower Upper  
 96 100  
 61 149.4 0.0 297.4  
 98 66.9 0.0 127.8



#28  
 Bromochloromethane  
 Concen: 46.403 ug/l  
 RT: 4.891 min Scan# 624  
 Delta R.T. 0.006 min  
 Lab File: VX044002.D  
 Acq: 25 Nov 2024 21:12

Tgt Ion: 49 Resp: 60444  
 Ion Ratio Lower Upper  
 49 100  
 129 2.0 0.0 4.0  
 130 79.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 224.316 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

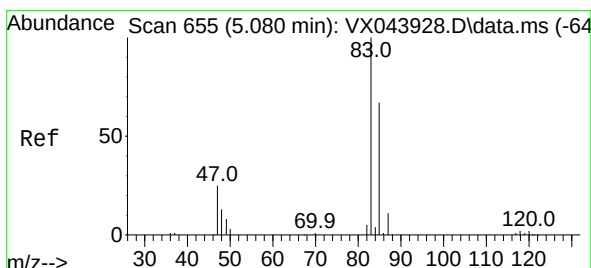
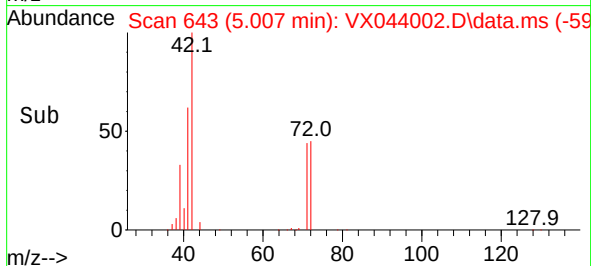
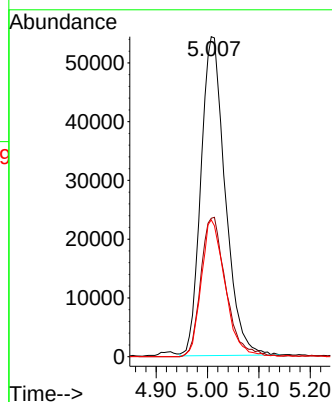
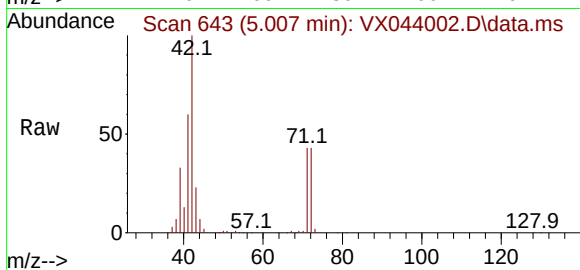
Tgt Ion: 42 Resp: 178100

Ion Ratio Lower Upper

42 100

72 45.2 36.4 54.6

71 42.1 33.4 50.0



#30

Chloroform

Concen: 48.472 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX044002.D

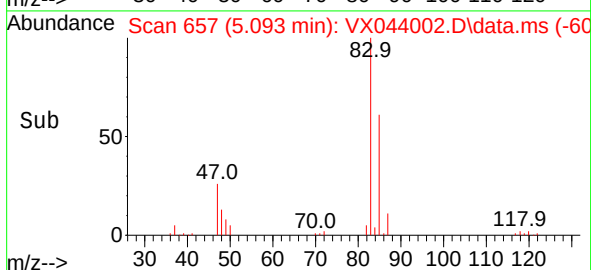
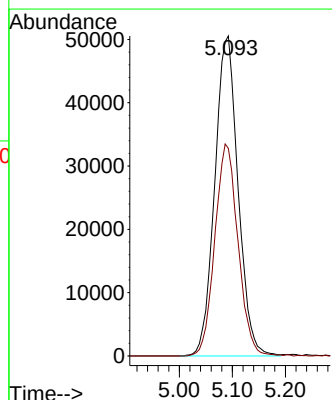
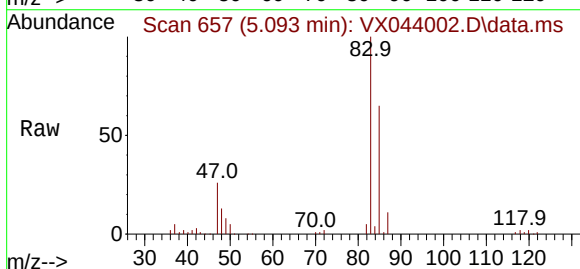
Acq: 25 Nov 2024 21:12

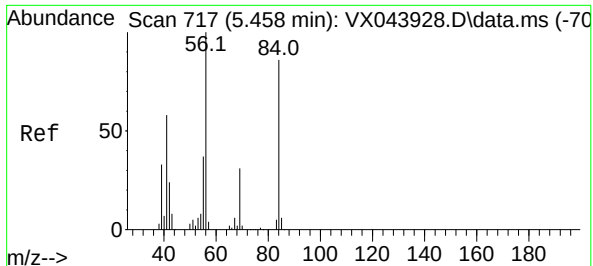
Tgt Ion: 83 Resp: 154278

Ion Ratio Lower Upper

83 100

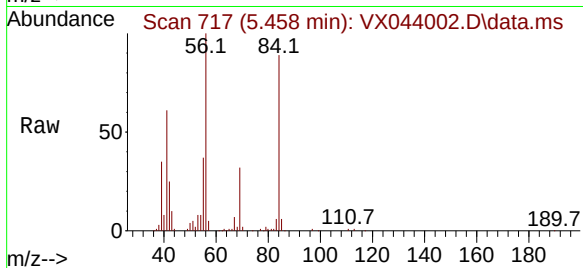
85 64.8 53.5 80.3



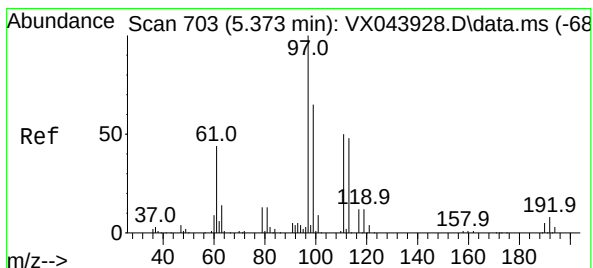
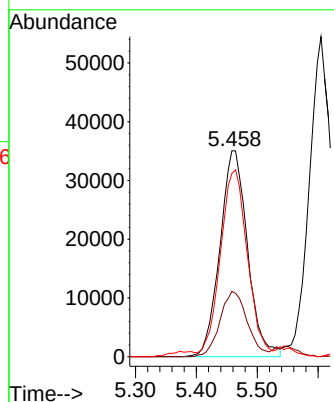
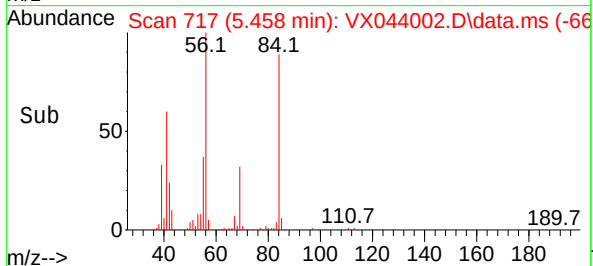


#31  
Cyclohexane  
Concen: 45.330 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

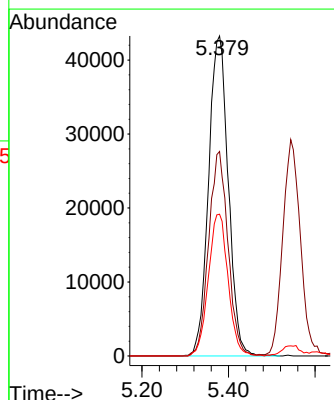
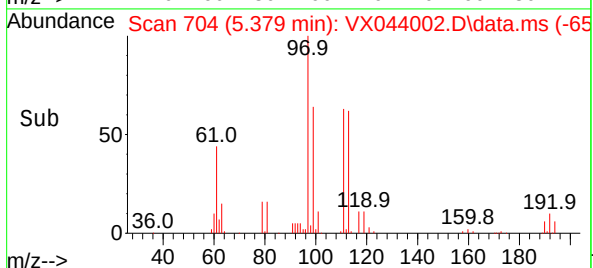
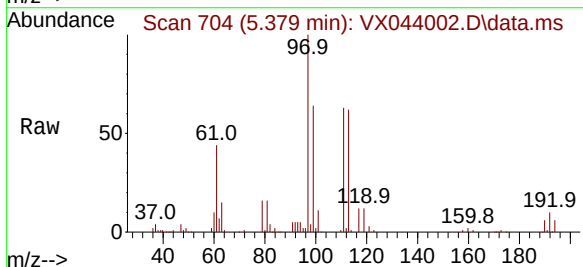


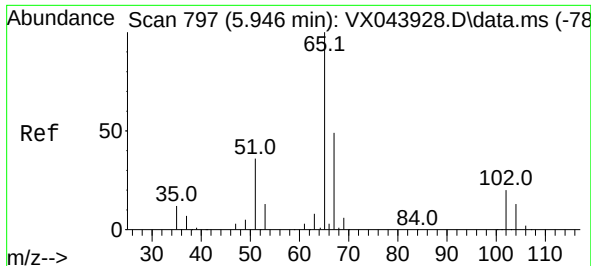
Tgt Ion: 56 Resp: 110406  
Ion Ratio Lower Upper  
56 100  
69 31.7 24.7 37.1  
84 86.3 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 49.746 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 97 Resp: 136540  
Ion Ratio Lower Upper  
97 100  
99 62.7 50.8 76.2  
61 44.4 35.4 53.2

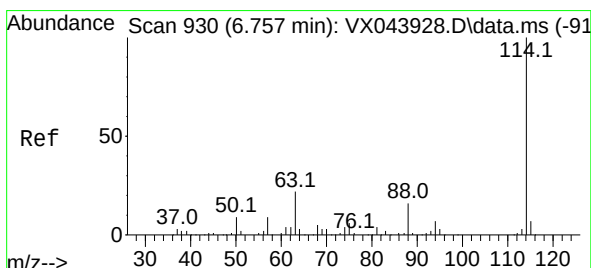
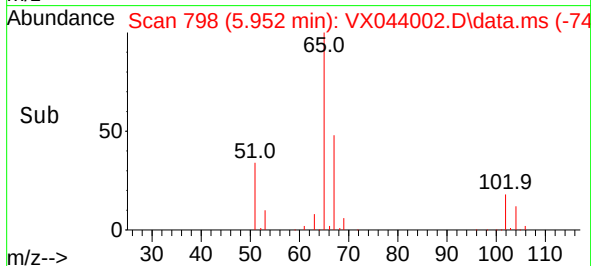
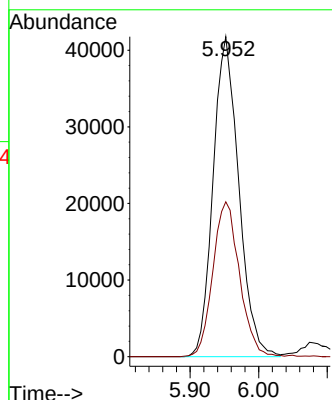
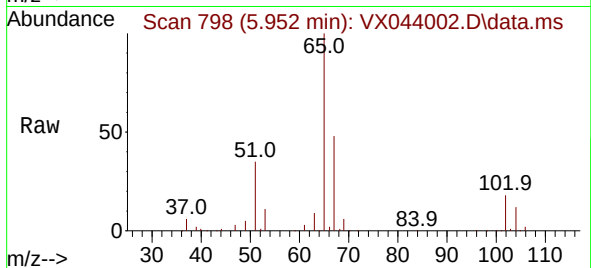




#33  
1,2-Dichloroethane-d4  
Concen: 49.603 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

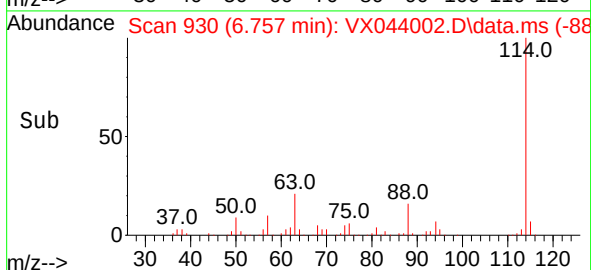
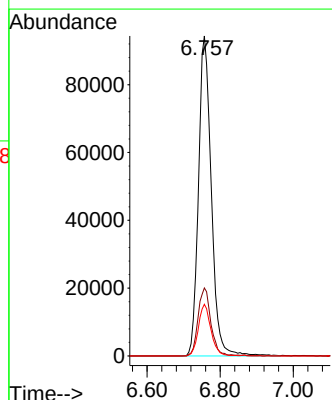
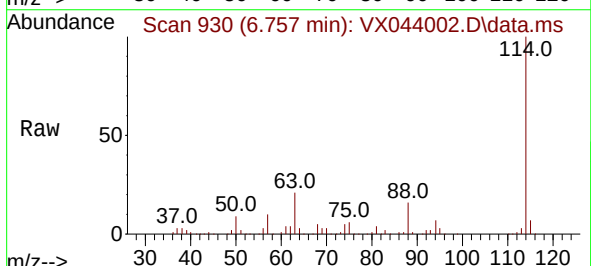
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

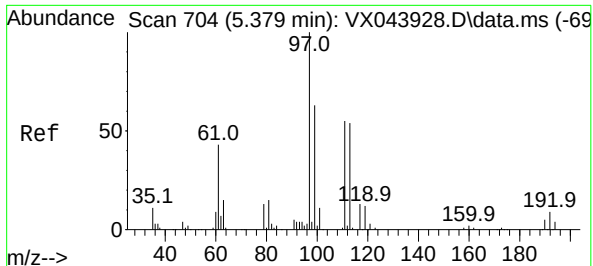
Tgt Ion: 65 Resp: 108399  
Ion Ratio Lower Upper  
65 100  
67 50.2 0.0 100.8



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 930  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 114 Resp: 230970  
Ion Ratio Lower Upper  
114 100  
63 21.3 0.0 44.0  
88 16.1 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.008 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

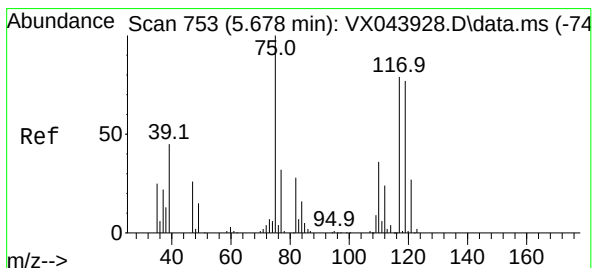
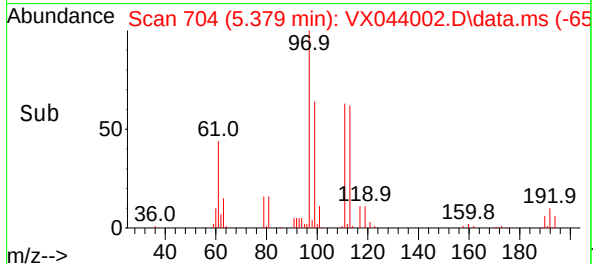
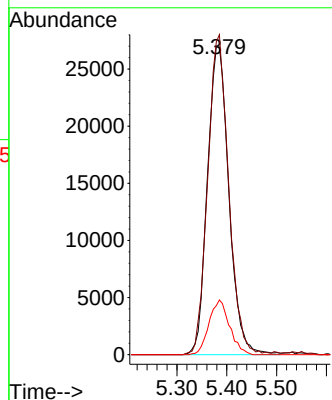
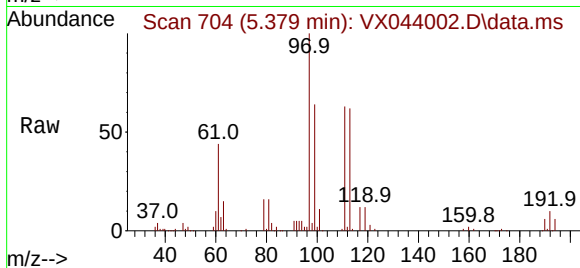
Tgt Ion:113 Resp: 80883

Ion Ratio Lower Upper

113 100

111 101.1 81.0 121.4

192 16.9 13.0 19.6



#36

1,1-Dichloropropene

Concen: 47.258 ug/l

RT: 5.684 min Scan# 754

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

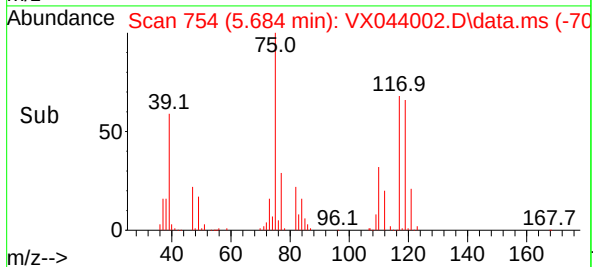
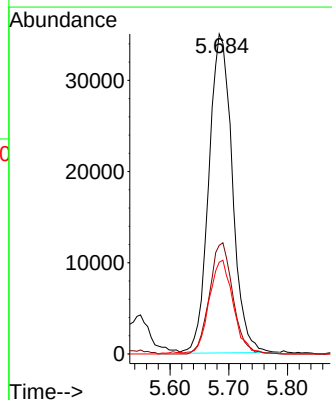
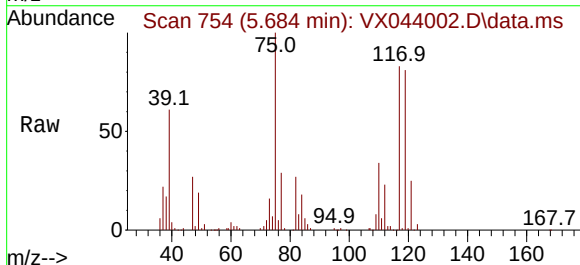
Tgt Ion: 75 Resp: 97191

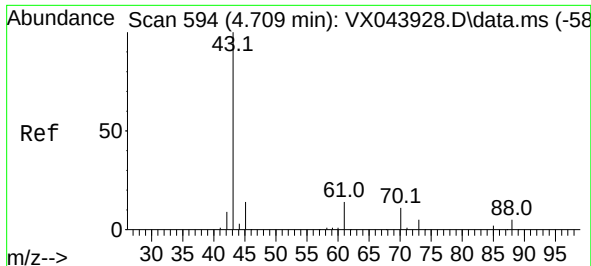
Ion Ratio Lower Upper

75 100

110 34.7 17.4 52.2

77 30.2 25.8 38.8





#37

Ethyl Acetate

Concen: 44.263 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.012 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

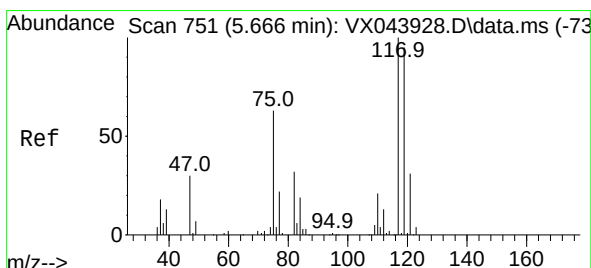
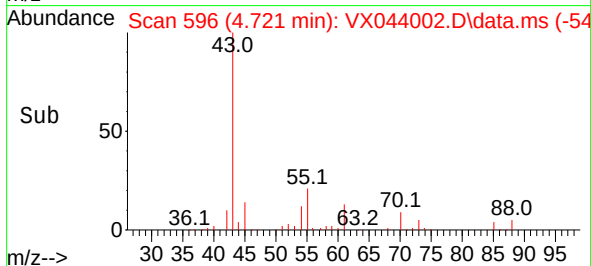
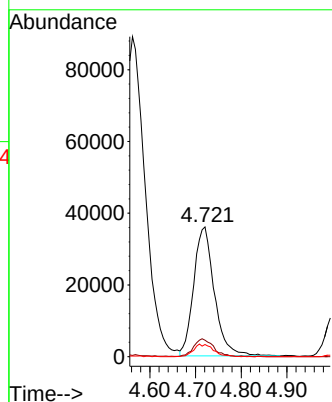
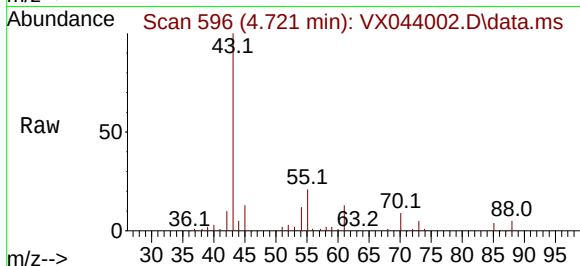
Tgt Ion: 43 Resp: 112998

Ion Ratio Lower Upper

43 100

61 12.8 10.7 16.1

70 9.3 8.0 12.0



#38

Carbon Tetrachloride

Concen: 46.611 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

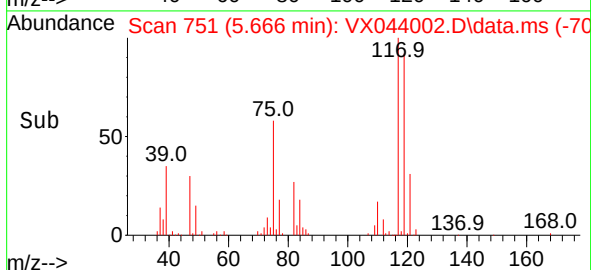
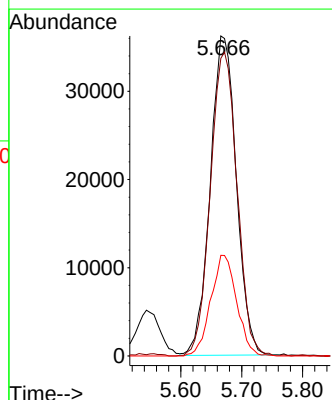
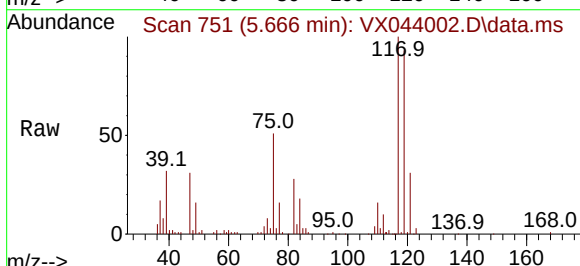
Tgt Ion:117 Resp: 107711

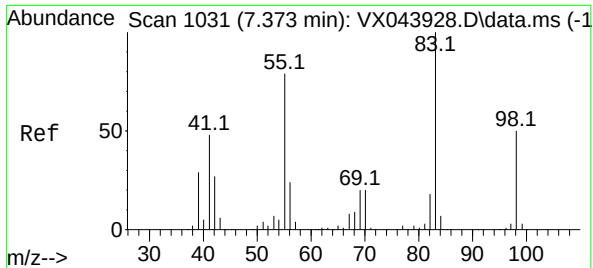
Ion Ratio Lower Upper

117 100

119 93.1 75.2 112.8

121 31.6 24.5 36.7





#39

Methylcyclohexane

Concen: 43.198 ug/l

RT: 7.373 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

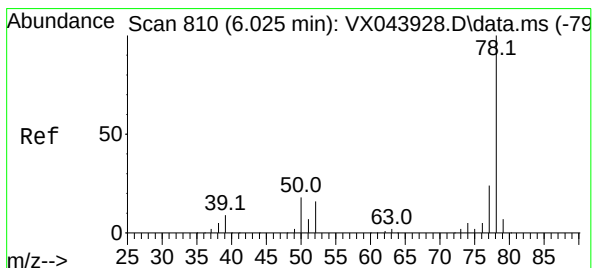
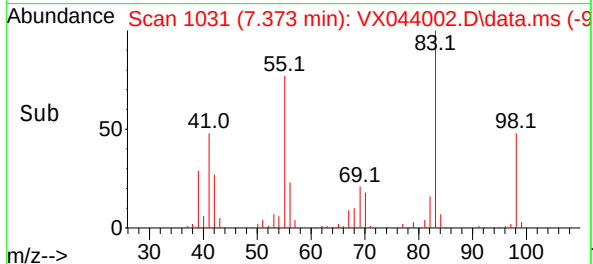
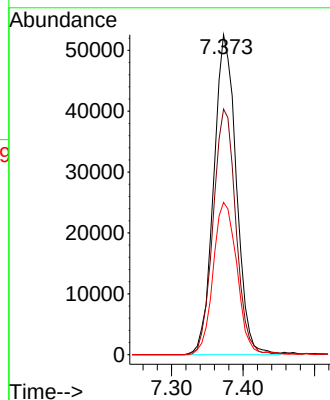
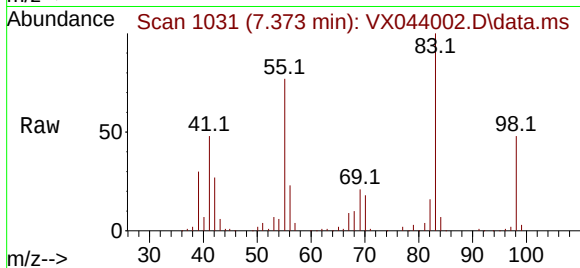
Tgt Ion: 83 Resp: 115415

Ion Ratio Lower Upper

83 100

55 76.7 63.1 94.7

98 47.6 40.0 60.0



#40

Benzene

Concen: 47.188 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044002.D

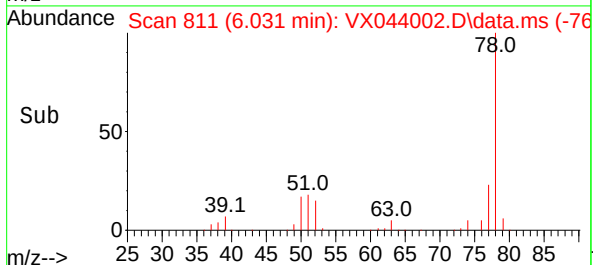
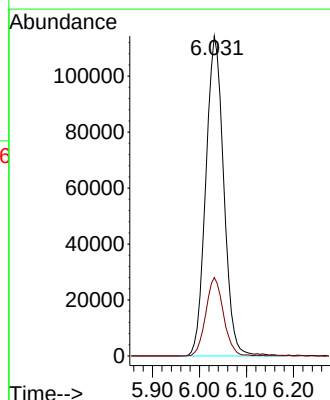
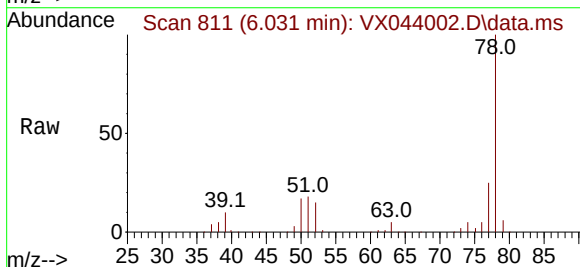
Acq: 25 Nov 2024 21:12

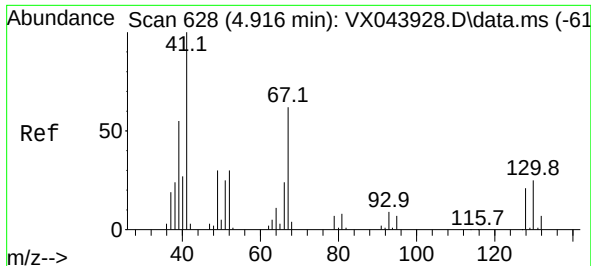
Tgt Ion: 78 Resp: 302293

Ion Ratio Lower Upper

78 100

77 24.5 19.2 28.8



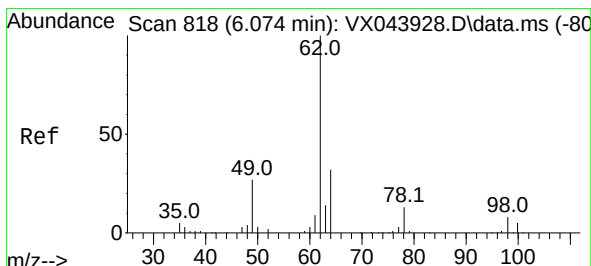
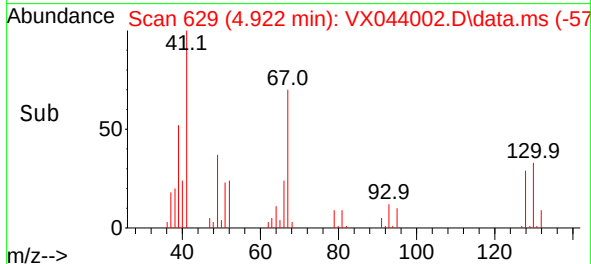
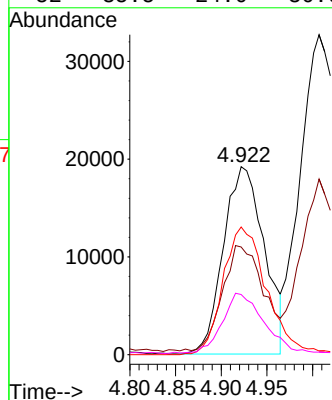
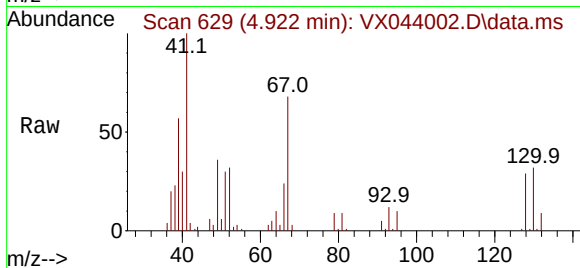


#41  
Methacrylonitrile  
Concen: 45.746 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 41 Resp: 59772

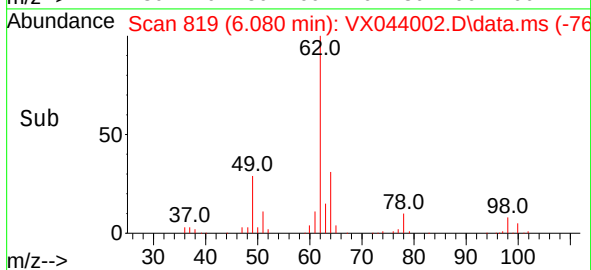
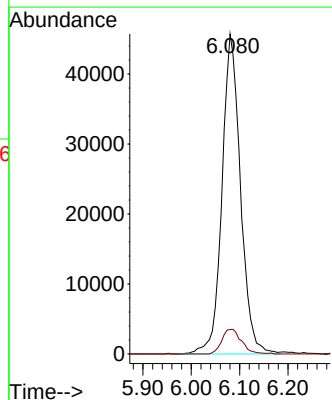
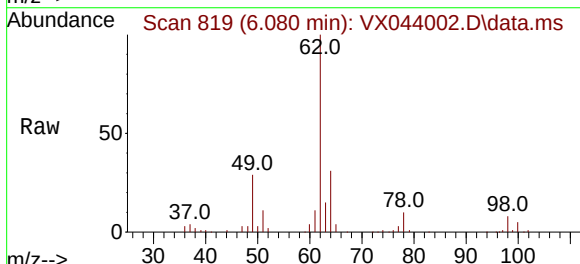
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 56.5  | 41.7  | 62.5  |
| 67  | 73.2  | 55.8  | 83.8  |
| 52  | 35.5  | 24.0  | 36.0  |



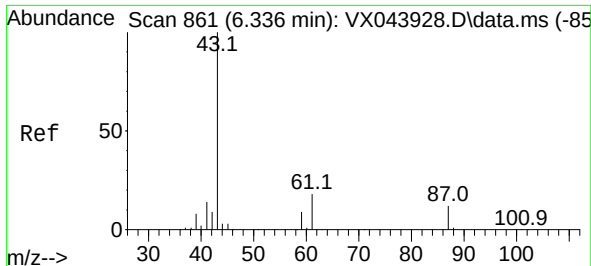
#42  
1,2-Dichloroethane  
Concen: 47.224 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 62 Resp: 121500

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.2   | 0.0   | 16.4  |







#43

Isopropyl Acetate

Concen: 46.041 ug/l

RT: 6.342 min Scan# 862

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

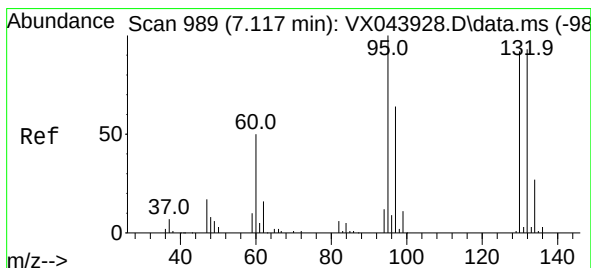
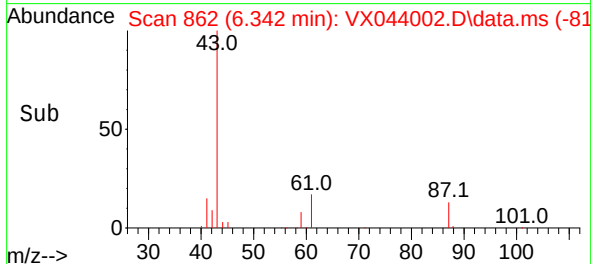
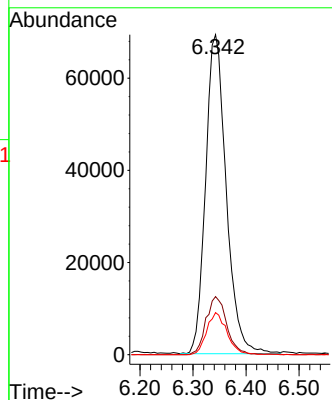
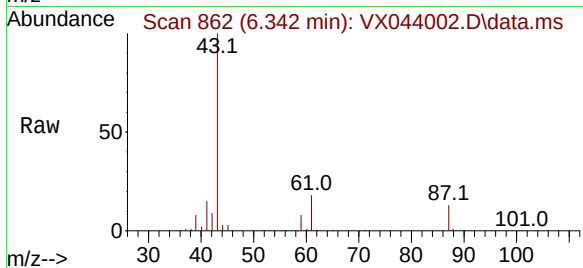
Tgt Ion: 43 Resp: 187057

Ion Ratio Lower Upper

43 100

61 18.3 14.5 21.7

87 12.9 10.2 15.2



#44

Trichloroethene

Concen: 41.321 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.000 min

Lab File: VX044002.D

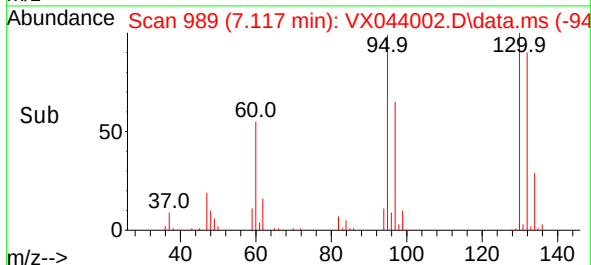
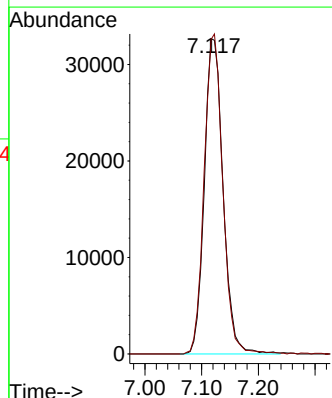
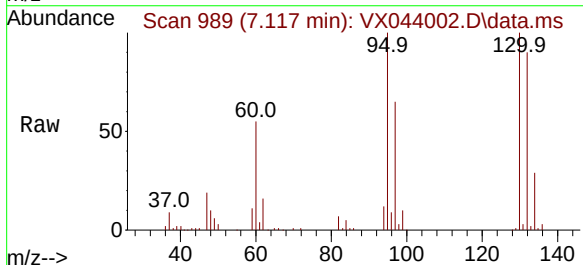
Acq: 25 Nov 2024 21:12

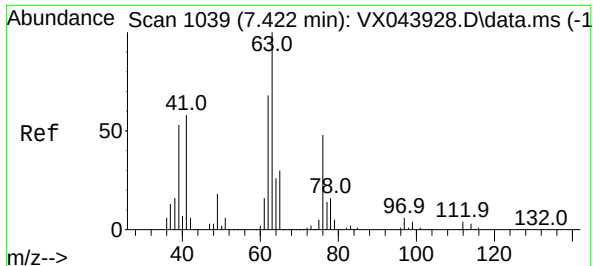
Tgt Ion:130 Resp: 74936

Ion Ratio Lower Upper

130 100

95 99.8 0.0 217.8





#45

1,2-Dichloropropane

Concen: 48.403 ug/l

RT: 7.427 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

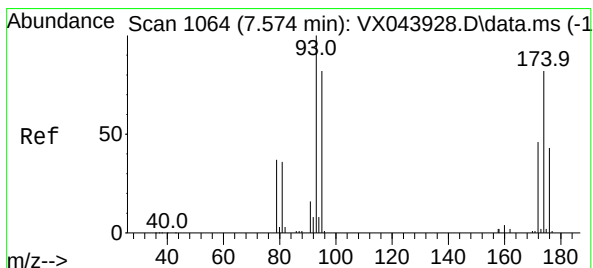
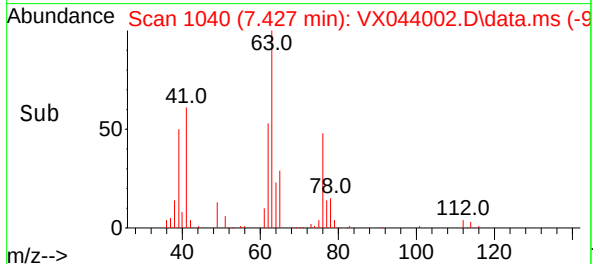
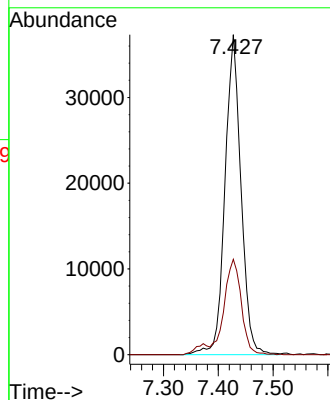
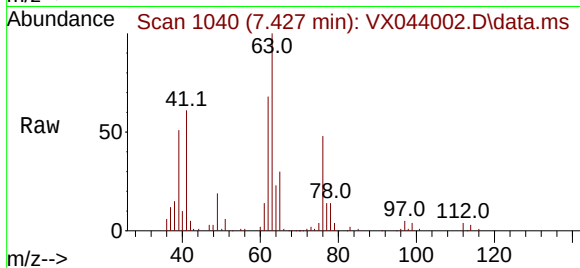
VSTDCCC050EC

Tgt Ion: 63 Resp: 75945

Ion Ratio Lower Upper

63 100

65 29.8 23.8 35.6



#46

Dibromomethane

Concen: 49.045 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

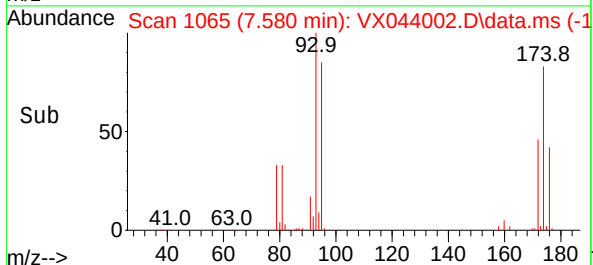
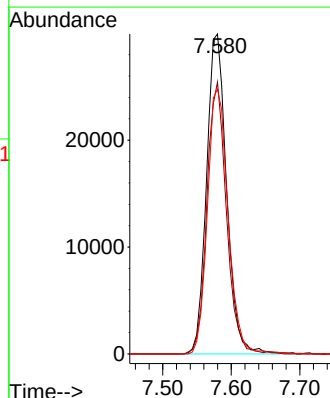
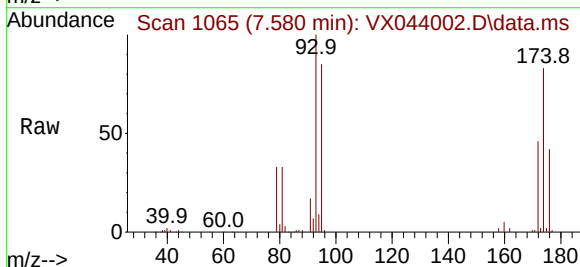
Tgt Ion: 93 Resp: 60872

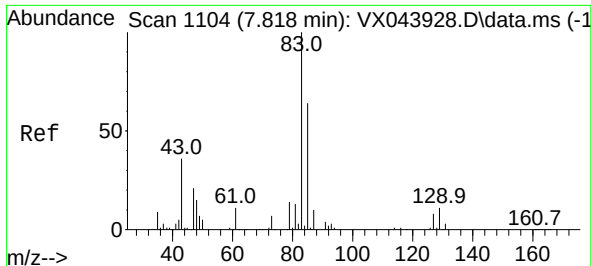
Ion Ratio Lower Upper

93 100

95 82.8 66.2 99.4

174 85.5 69.6 104.4

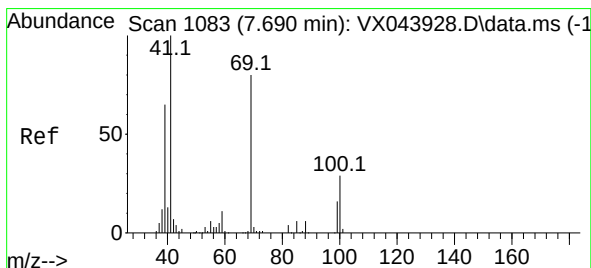
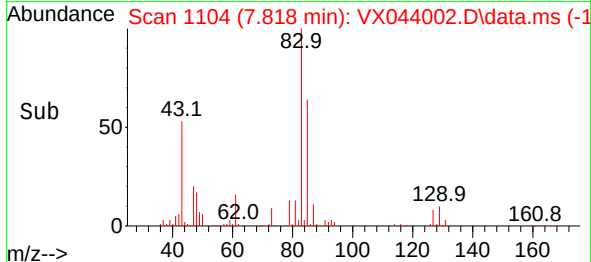
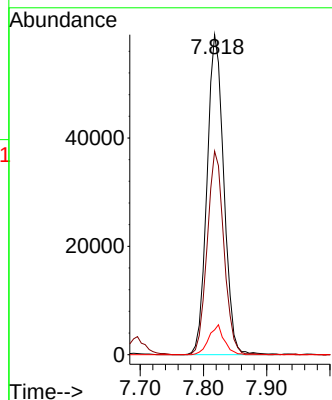
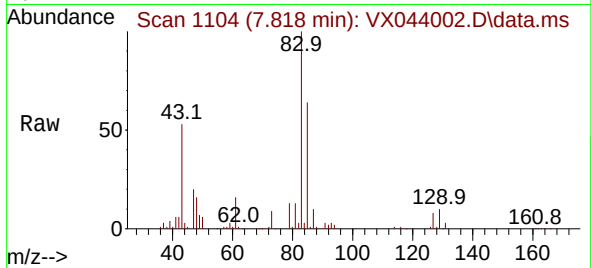




#47  
Bromodichloromethane  
Concen: 48.953 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

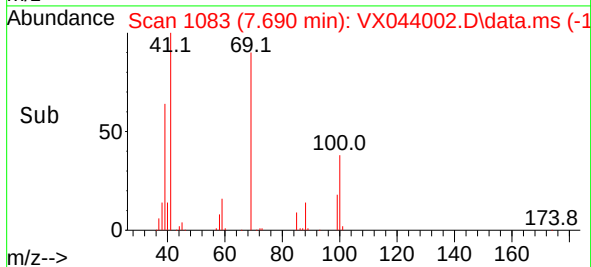
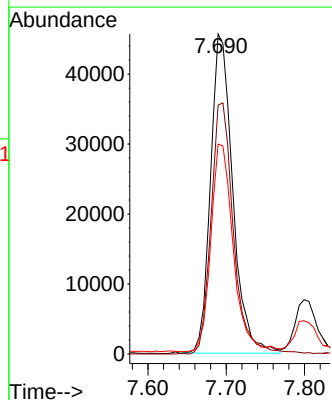
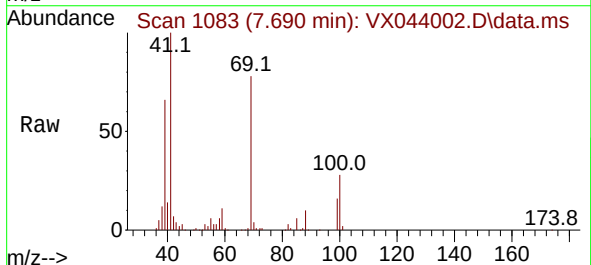
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

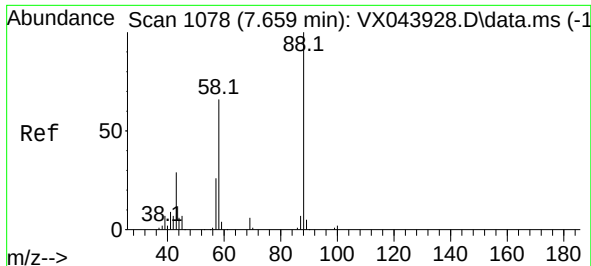
Tgt Ion: 83 Resp: 108968  
Ion Ratio Lower Upper  
83 100  
85 63.6 51.4 77.0  
127 7.7 6.6 10.0



#48  
Methyl methacrylate  
Concen: 46.134 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 41 Resp: 89938  
Ion Ratio Lower Upper  
41 100  
69 79.6 64.6 97.0  
39 65.3 53.3 79.9





#49

1,4-Dioxane

Concen: 777.017 ug/l

RT: 7.671 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

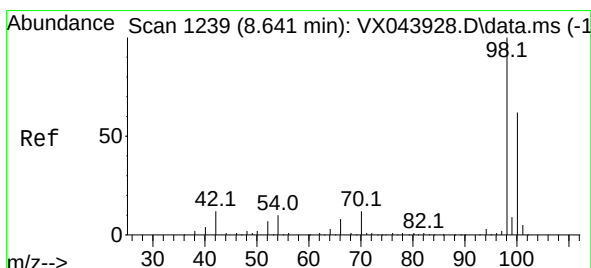
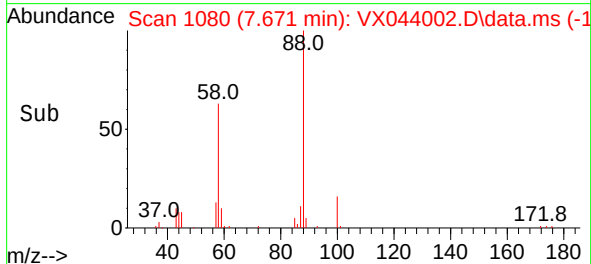
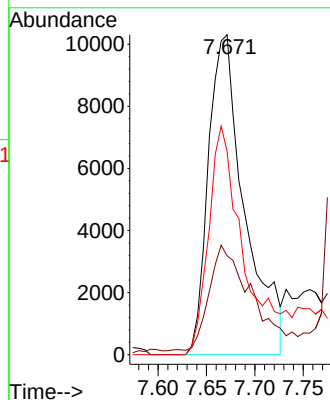
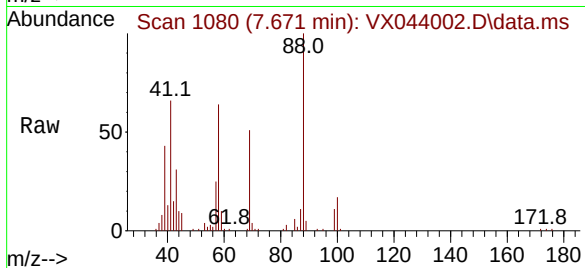
Tgt Ion: 88 Resp: 26983

Ion Ratio Lower Upper

88 100

43 39.2 26.8 40.2

58 67.6 45.4 68.2



#50

Toluene-d8

Concen: 48.276 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044002.D

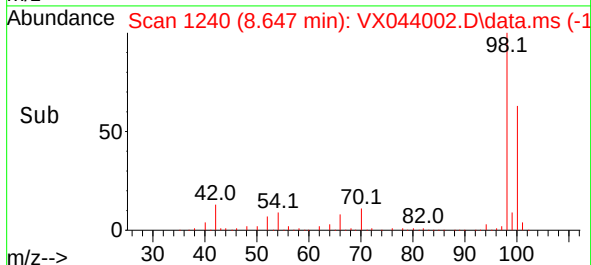
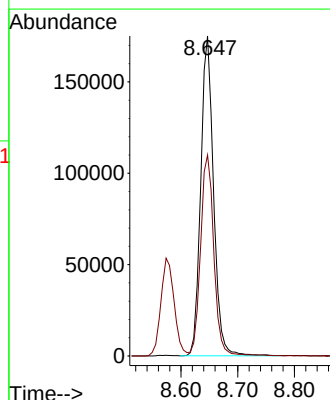
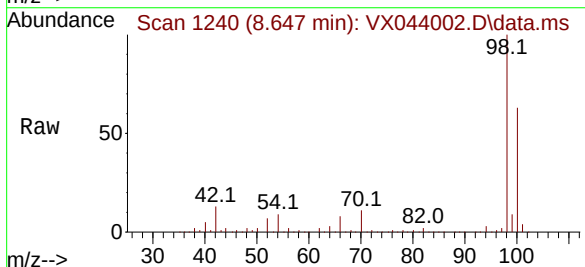
Acq: 25 Nov 2024 21:12

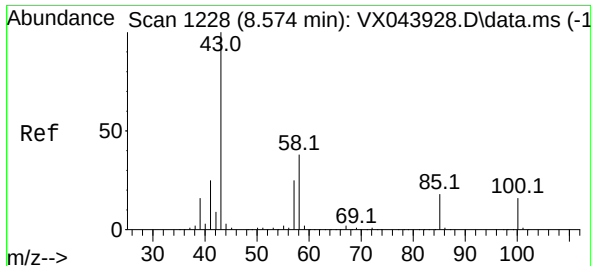
Tgt Ion: 98 Resp: 274647

Ion Ratio Lower Upper

98 100

100 65.0 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 232.731 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

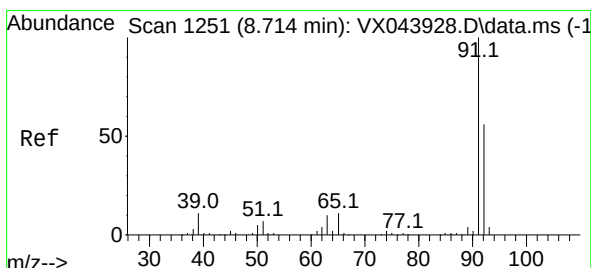
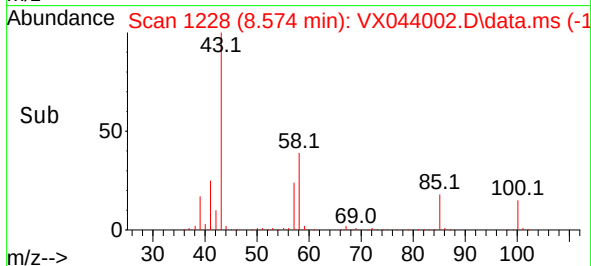
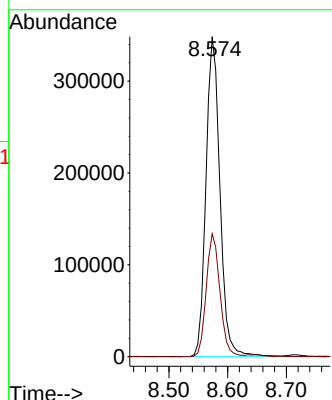
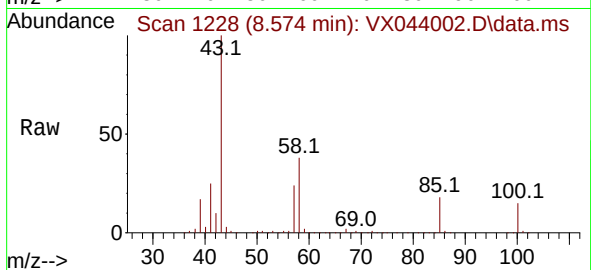
VSTDCCC050EC

Tgt Ion: 43 Resp: 577015

Ion Ratio Lower Upper

43 100

58 37.6 30.0 45.0



#52

Toluene

Concen: 48.090 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044002.D

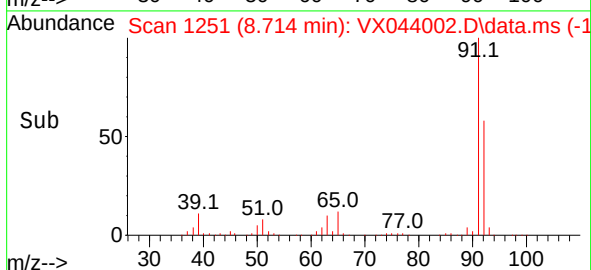
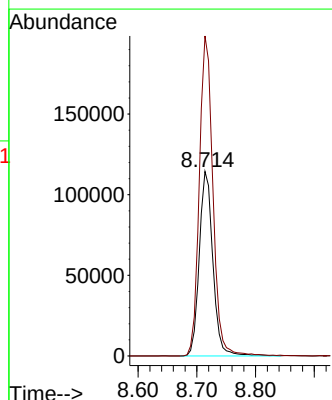
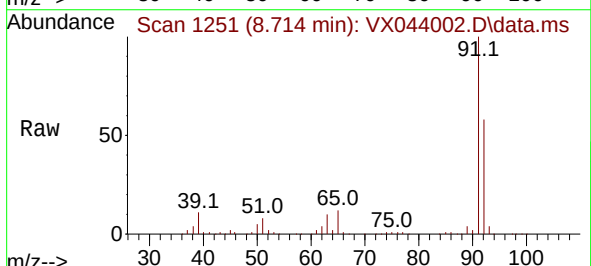
Acq: 25 Nov 2024 21:12

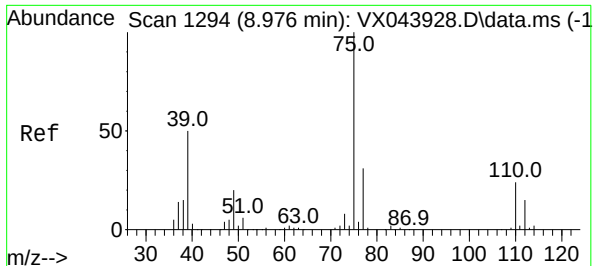
Tgt Ion: 92 Resp: 184390

Ion Ratio Lower Upper

92 100

91 173.2 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 47.064 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

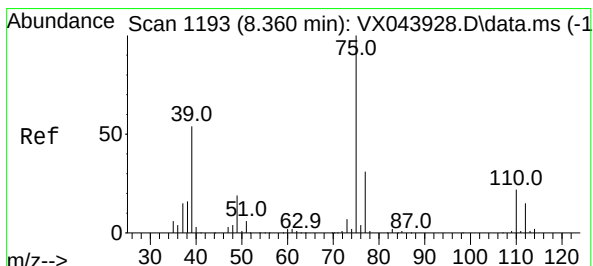
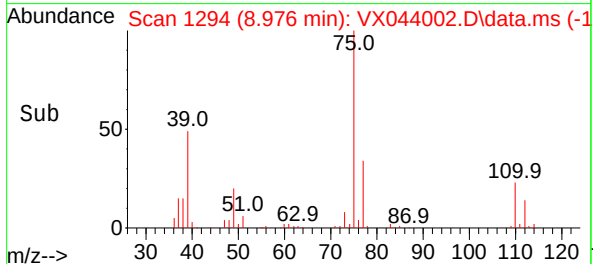
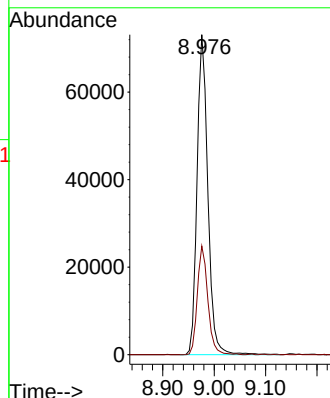
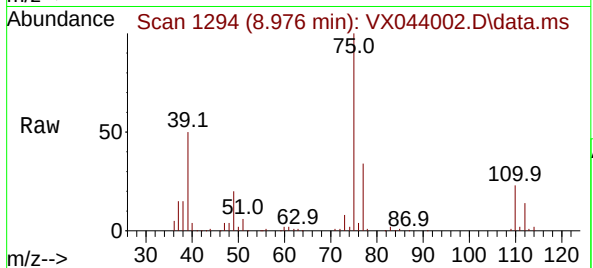
VSTDCCC050EC

Tgt Ion: 75 Resp: 106834

Ion Ratio Lower Upper

75 100

77 33.9 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 46.816 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

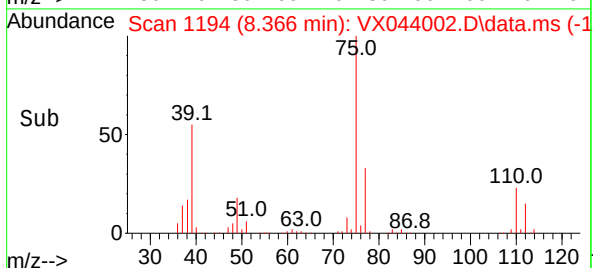
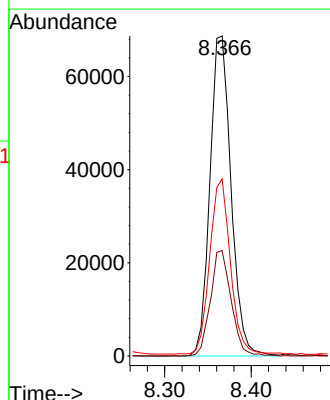
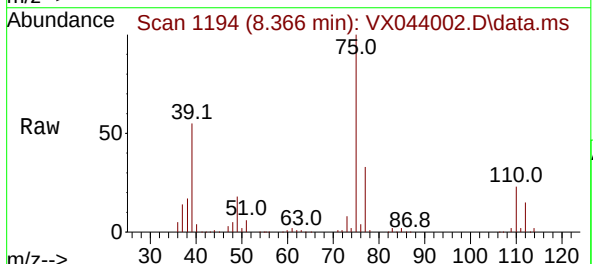
Tgt Ion: 75 Resp: 116499

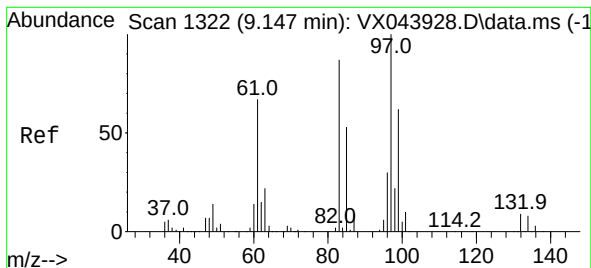
Ion Ratio Lower Upper

75 100

77 33.0 25.2 37.8

39 54.6 43.1 64.7





#55

1,1,2-Trichloroethane

Concen: 46.565 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 97 Resp: 73702

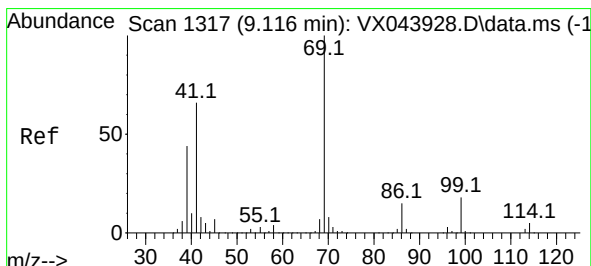
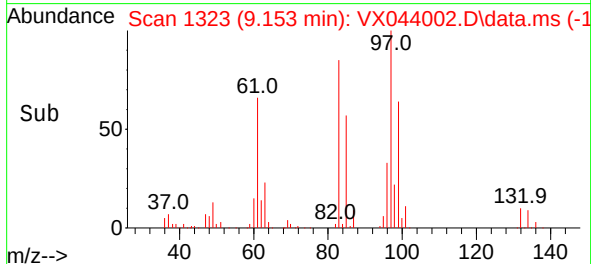
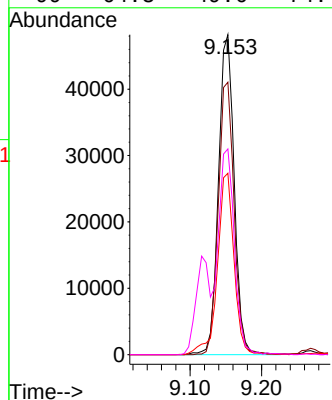
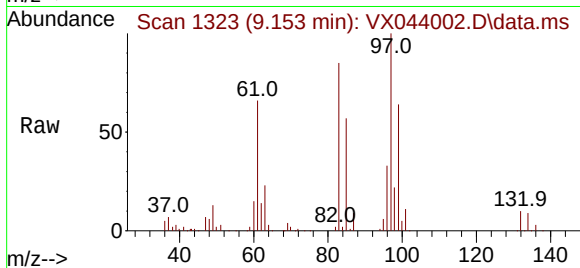
Ion Ratio Lower Upper

97 100

83 85.2 69.4 104.0

85 56.6 42.3 63.5

99 64.3 49.6 74.4



#56

Ethyl methacrylate

Concen: 48.673 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

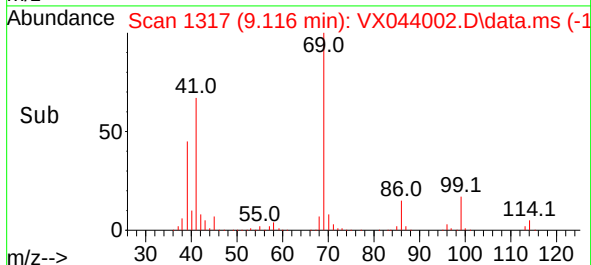
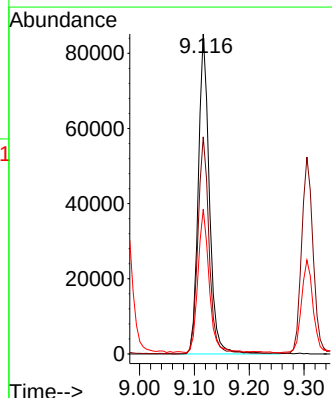
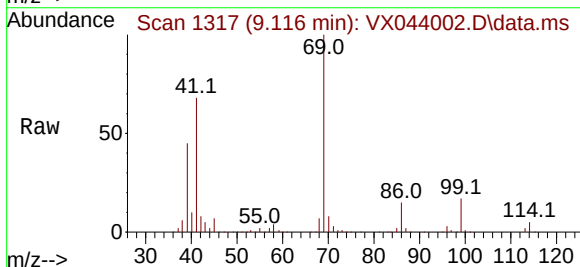
Tgt Ion: 69 Resp: 119993

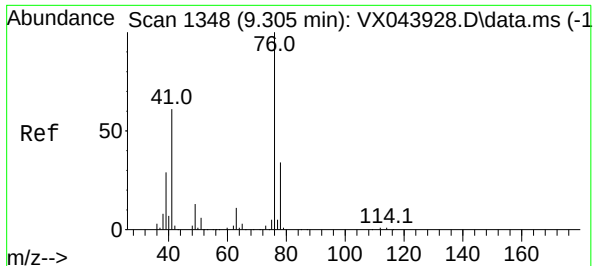
Ion Ratio Lower Upper

69 100

41 69.2 55.8 83.8

39 45.1 36.7 55.1

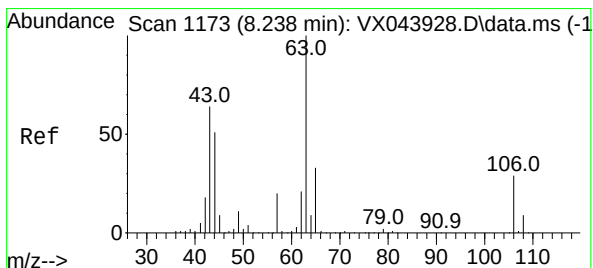
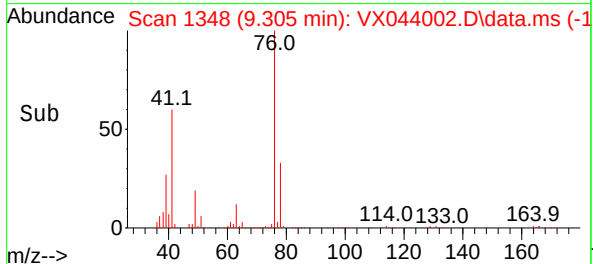
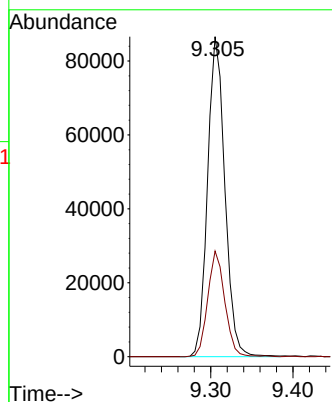
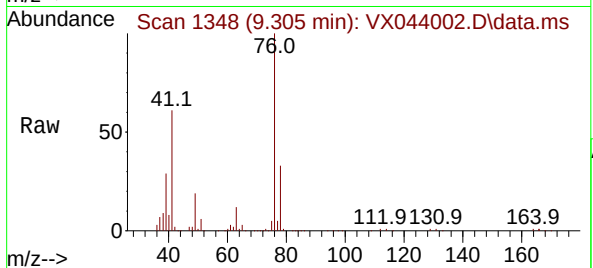




#57  
1,3-Dichloropropane  
Concen: 47.362 ug/l  
RT: 9.305 min Scan# 1148  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

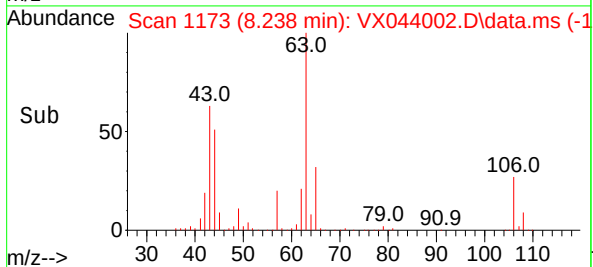
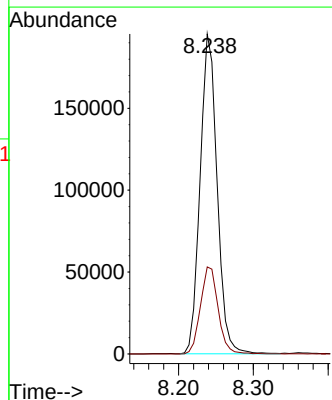
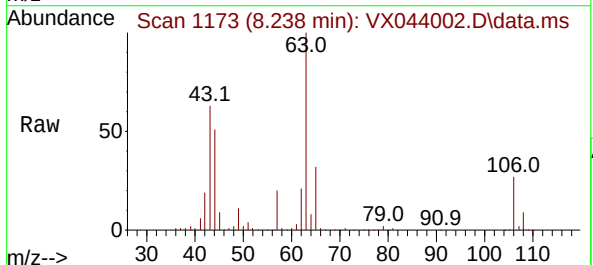
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 126279  
Ion Ratio Lower Upper  
76 100  
78 32.6 26.0 39.0

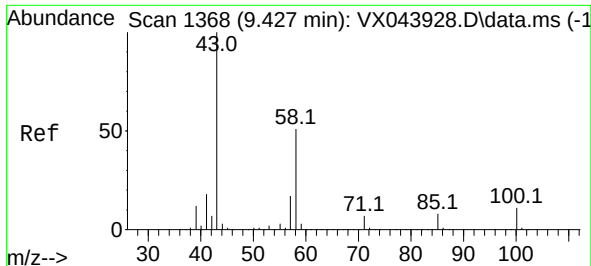


#58  
2-Chloroethyl Vinyl ether  
Concen: 227.585 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 63 Resp: 307827  
Ion Ratio Lower Upper  
63 100  
106 28.4 23.0 34.6







#59

2-Hexanone

Concen: 228.307 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

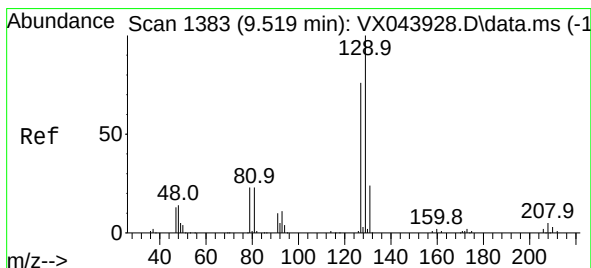
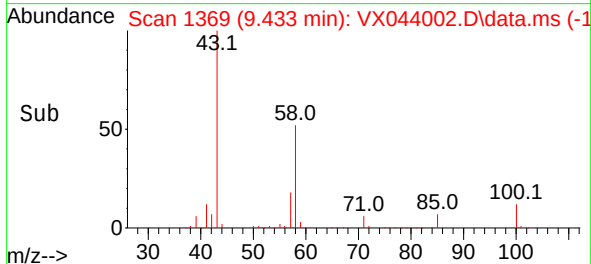
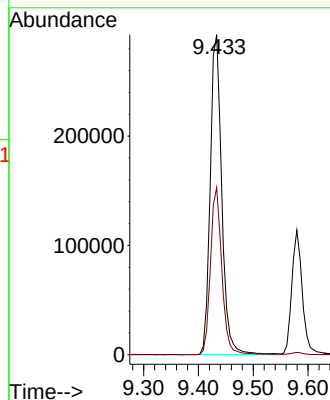
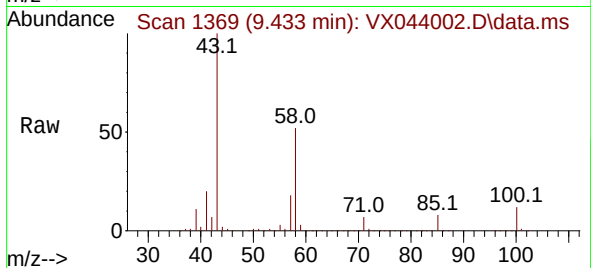
VSTDCCC050EC

Tgt Ion: 43 Resp: 425456

Ion Ratio Lower Upper

43 100

58 51.6 25.9 77.6



#60

Dibromochloromethane

Concen: 47.648 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044002.D

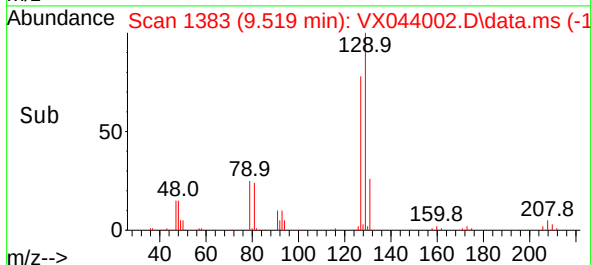
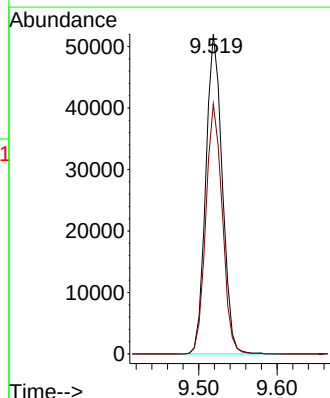
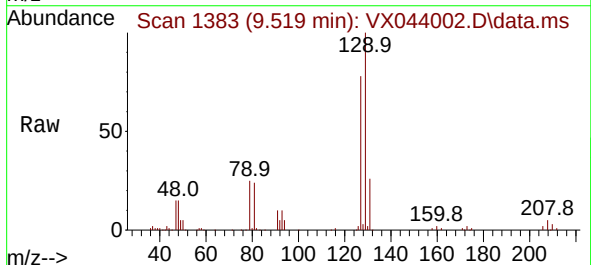
Acq: 25 Nov 2024 21:12

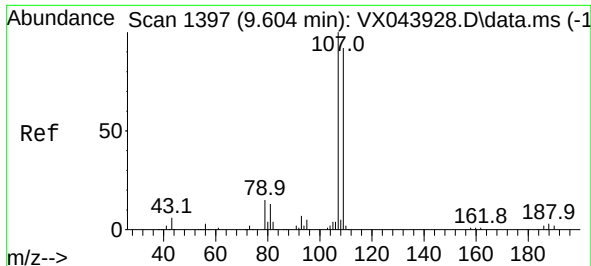
Tgt Ion: 129 Resp: 75667

Ion Ratio Lower Upper

129 100

127 78.2 38.2 114.6





#61

1,2-Dibromoethane

Concen: 48.453 ug/l

RT: 9.610 min Scan# 1397

Delta R.T. 0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

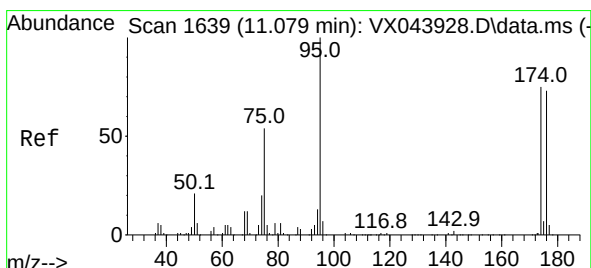
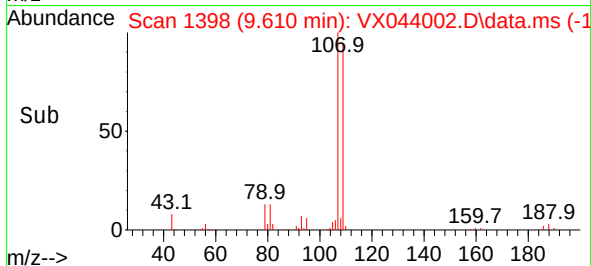
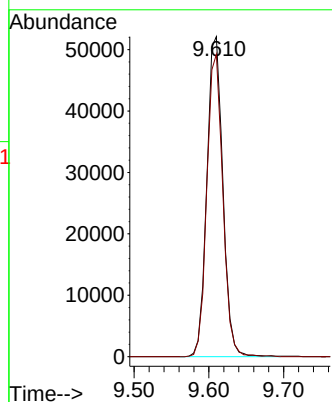
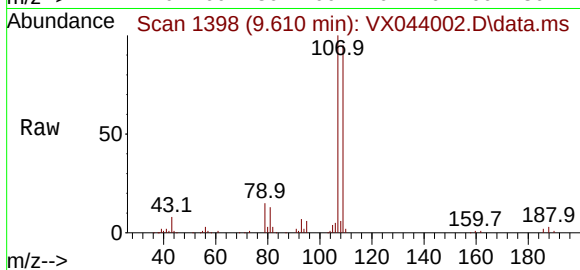
VSTDCCC050EC

Tgt Ion:107 Resp: 77546

Ion Ratio Lower Upper

107 100

109 94.2 75.2 112.8



#62

4-Bromofluorobenzene

Concen: 48.195 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

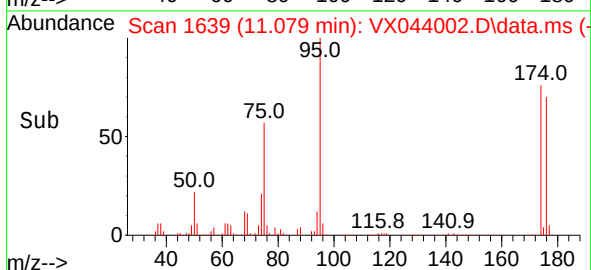
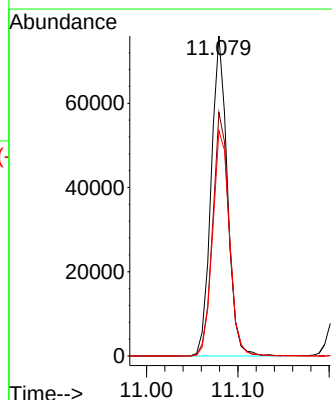
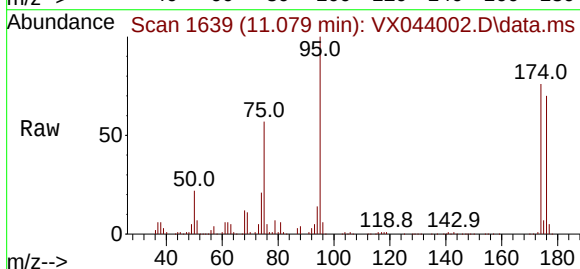
Tgt Ion: 95 Resp: 93312

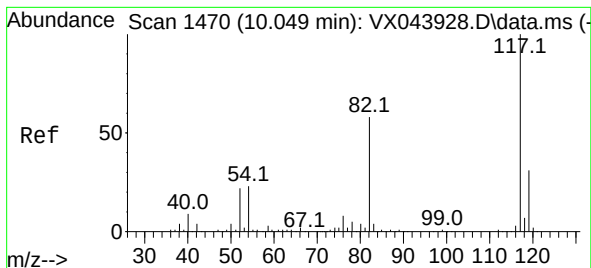
Ion Ratio Lower Upper

95 100

174 76.8 0.0 150.4

176 73.4 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

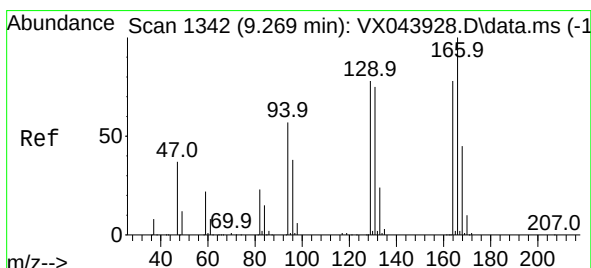
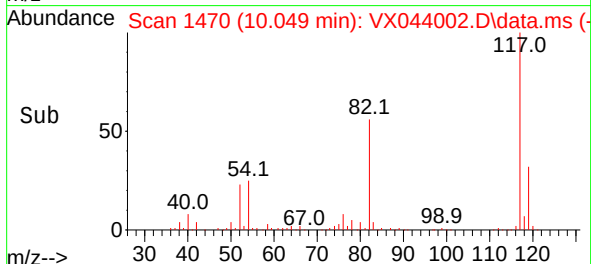
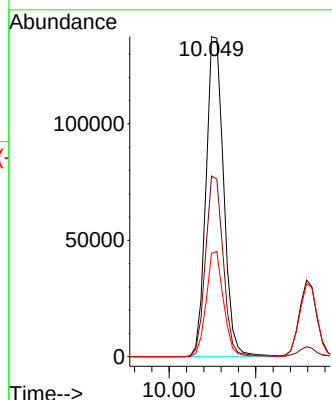
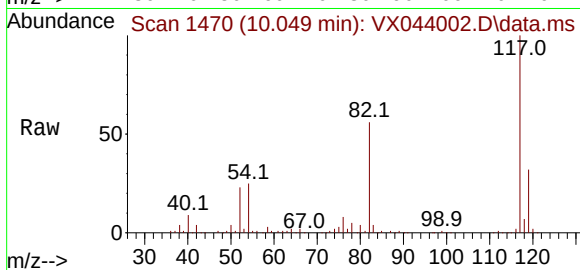
Tgt Ion:117 Resp: 194454

Ion Ratio Lower Upper

117 100

82 56.5 46.4 69.6

119 32.3 24.6 37.0



#64

Tetrachloroethene

Concen: 47.689 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Tgt Ion:164 Resp: 61147

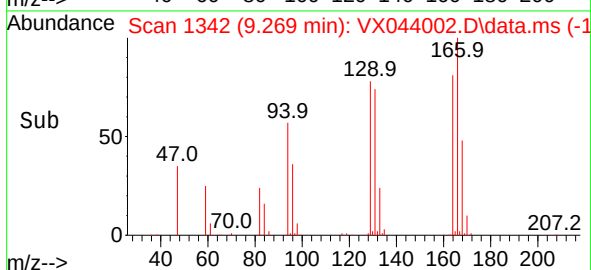
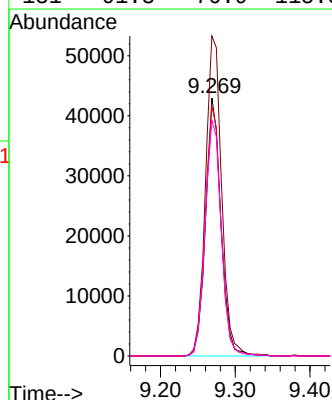
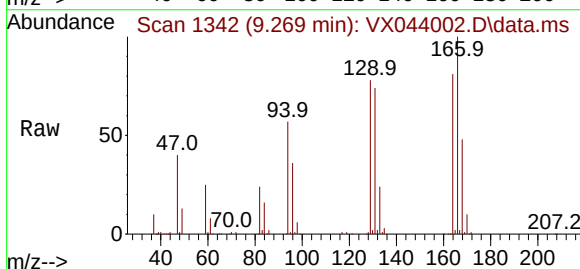
Ion Ratio Lower Upper

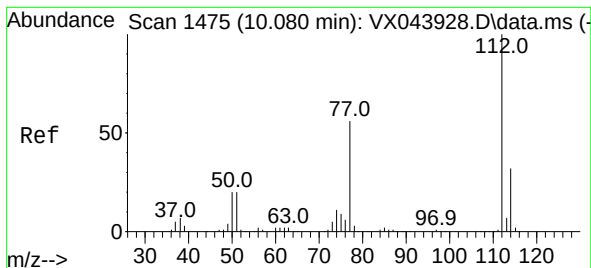
164 100

166 124.1 102.1 153.1

129 96.8 79.6 119.4

131 91.3 76.9 115.3

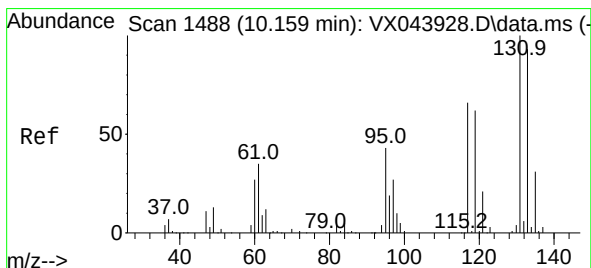
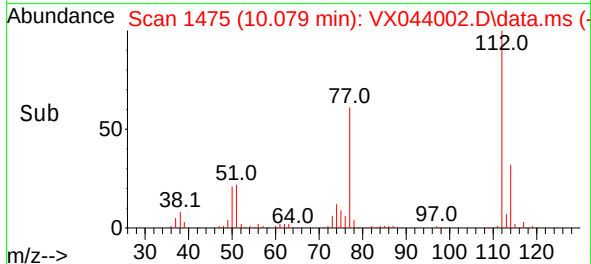
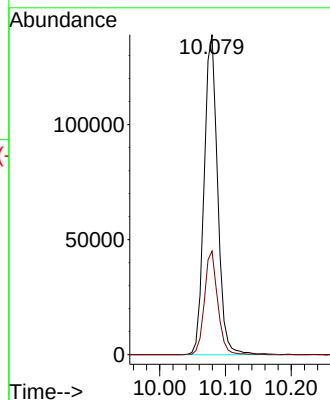
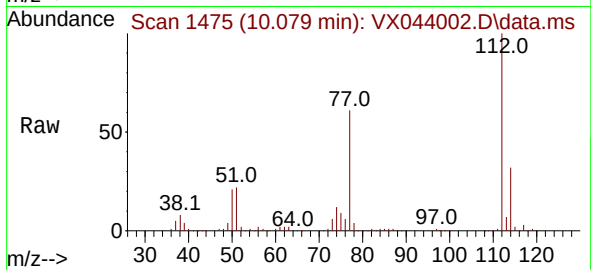




#65  
Chlorobenzene  
Concen: 46.431 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

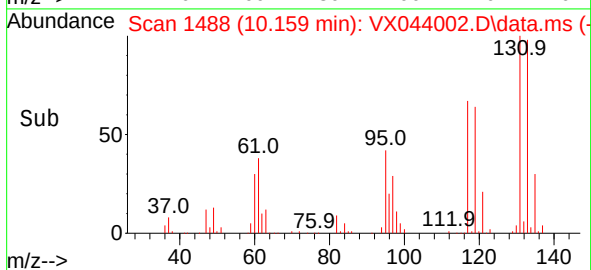
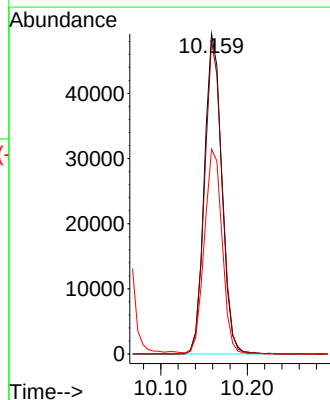
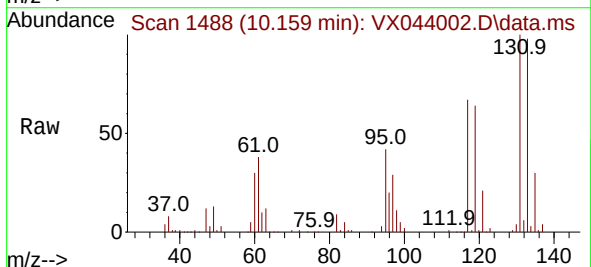
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

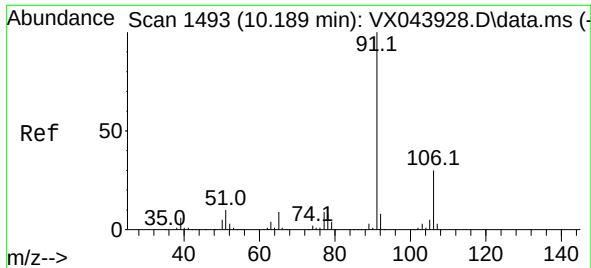
Tgt Ion:112 Resp: 198294  
Ion Ratio Lower Upper  
112 100  
114 32.4 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 49.406 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion:131 Resp: 68431  
Ion Ratio Lower Upper  
131 100  
133 98.3 48.2 144.6  
119 65.5 31.5 94.5





#67

Ethyl Benzene

Concen: 48.488 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

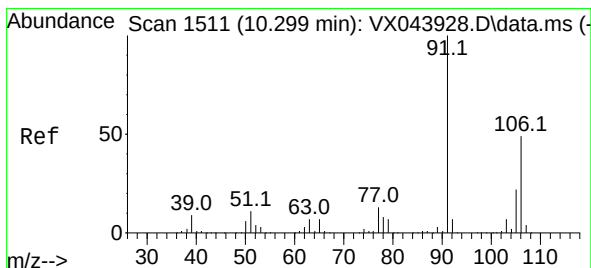
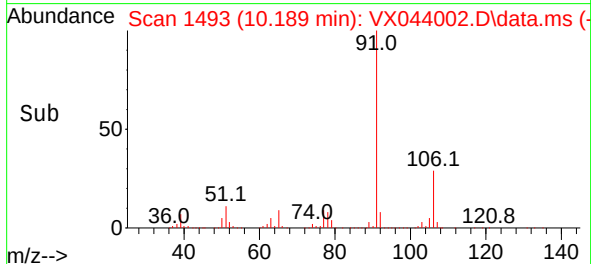
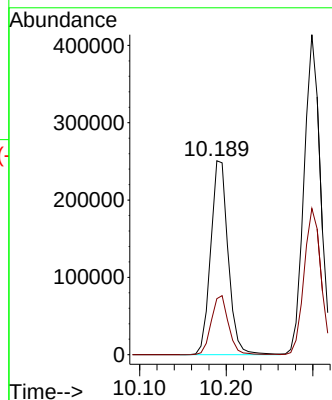
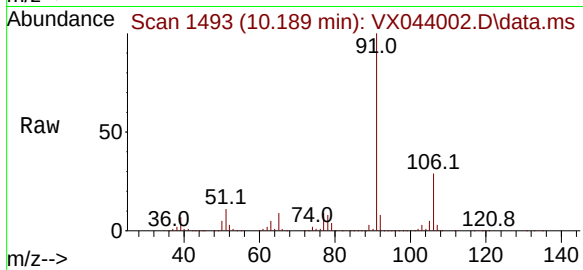
VSTDCCC050EC

Tgt Ion: 91 Resp: 350901

Ion Ratio Lower Upper

91 100

106 28.9 23.6 35.4



#68

m/p-Xylenes

Concen: 96.253 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044002.D

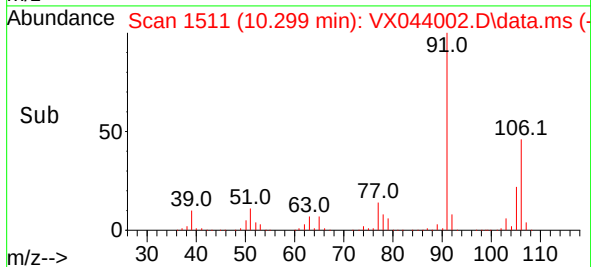
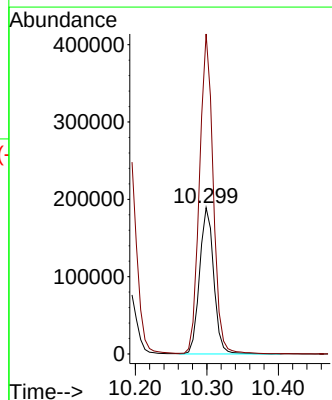
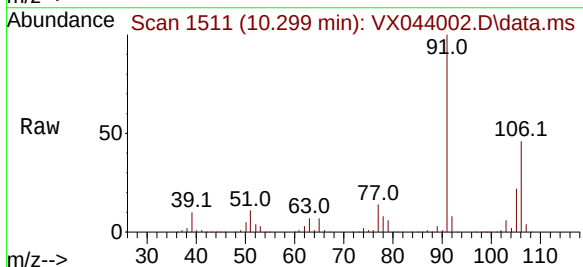
Acq: 25 Nov 2024 21:12

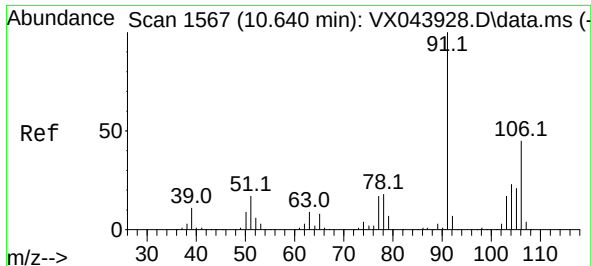
Tgt Ion: 106 Resp: 259765

Ion Ratio Lower Upper

106 100

91 212.4 168.1 252.1

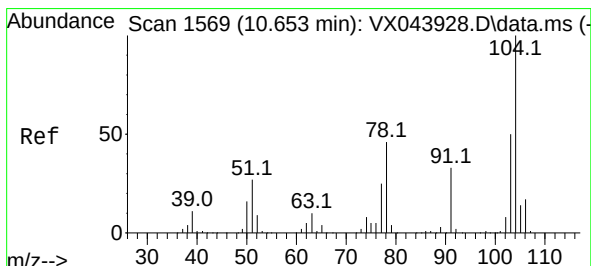
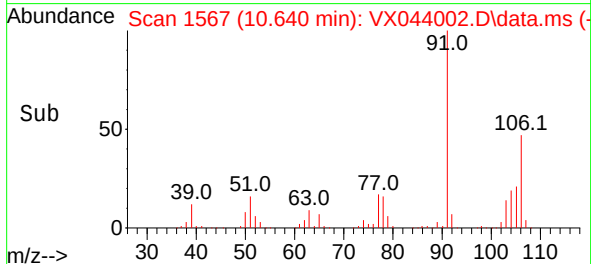
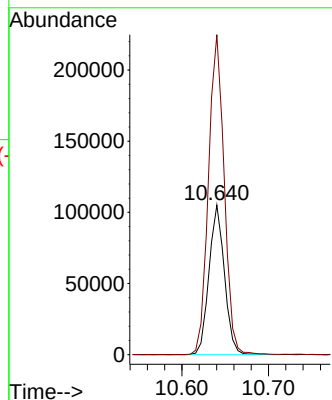
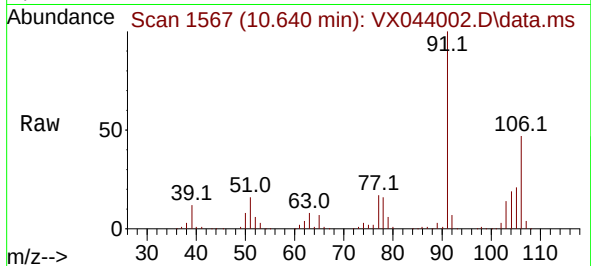




#69  
o-Xylene  
Concen: 49.529 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

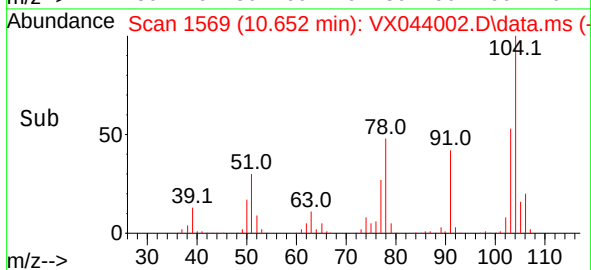
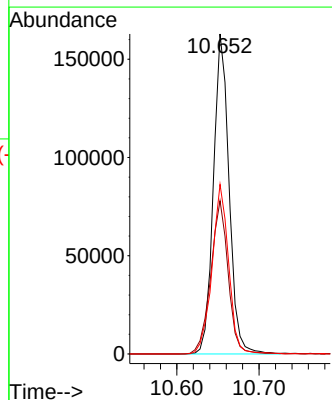
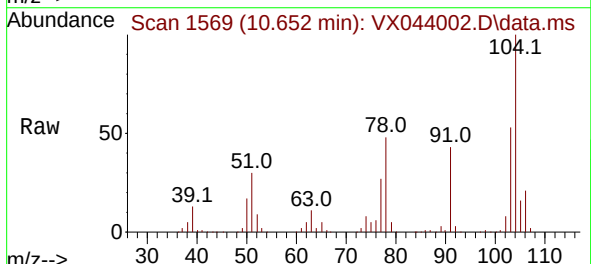
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

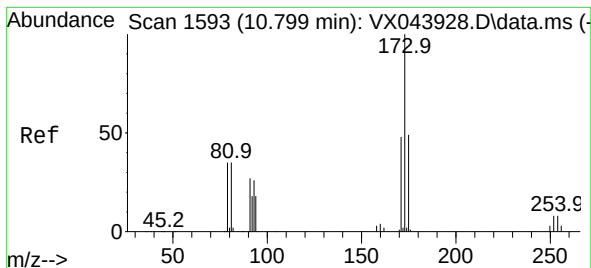
Tgt Ion:106 Resp: 130506  
Ion Ratio Lower Upper  
106 100  
91 217.2 110.2 330.6



#70  
Styrene  
Concen: 49.457 ug/l  
RT: 10.652 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion:104 Resp: 215539  
Ion Ratio Lower Upper  
104 100  
78 53.3 42.2 63.2  
103 56.3 44.7 67.1





#71

Bromoform

Concen: 43.484 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

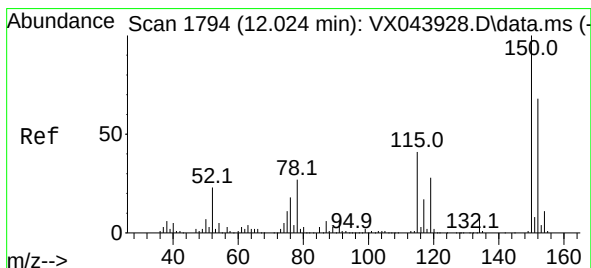
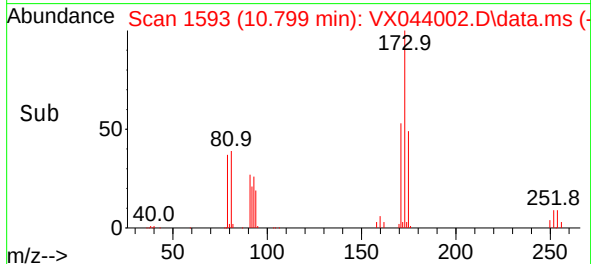
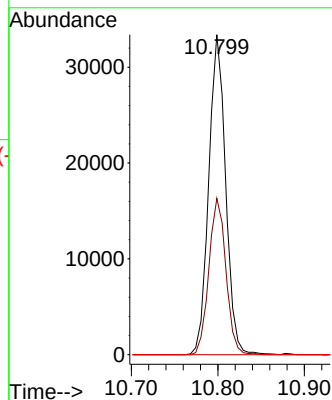
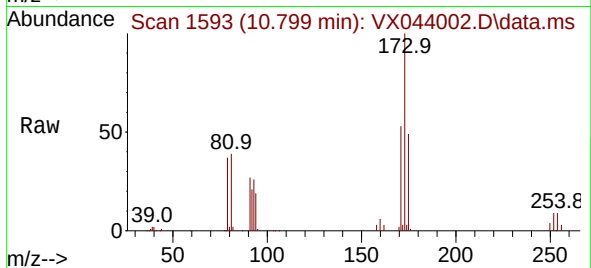
Tgt Ion:173 Resp: 45268

Ion Ratio Lower Upper

173 100

175 49.3 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

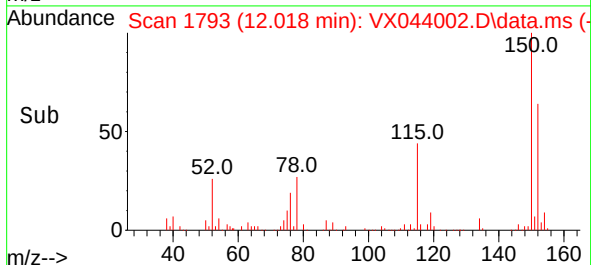
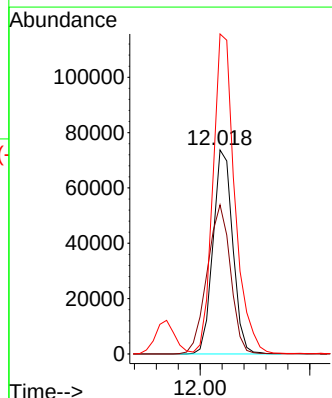
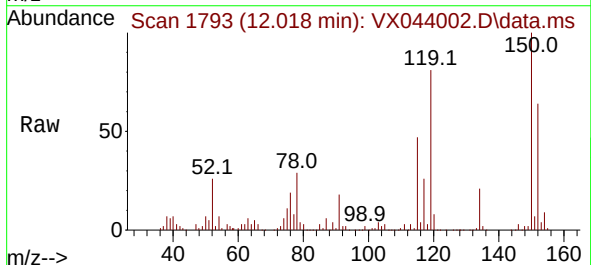
Tgt Ion:152 Resp: 92098

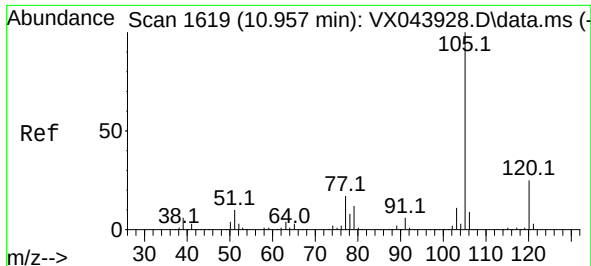
Ion Ratio Lower Upper

152 100

115 86.7 45.4 136.2

150 173.4 0.0 353.0

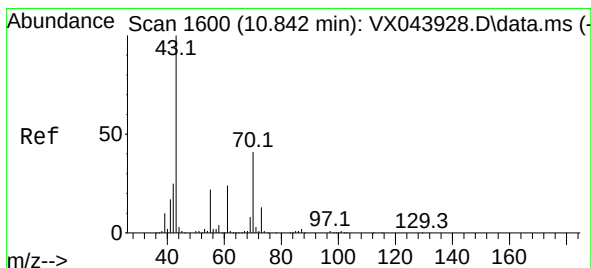
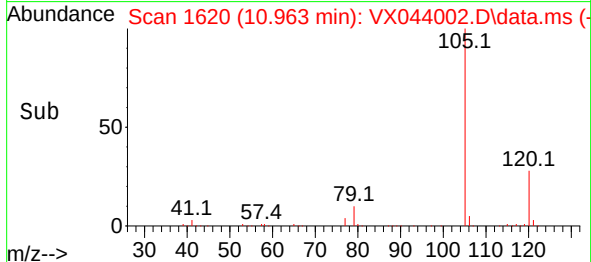
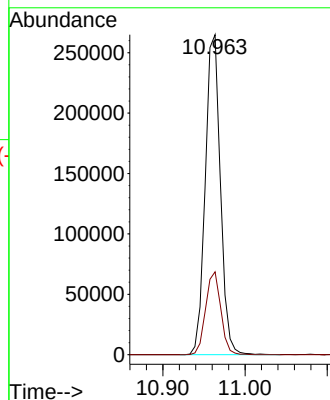
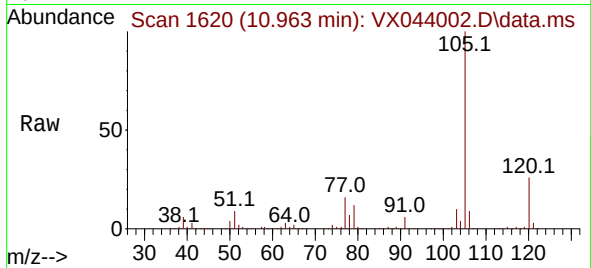




#73  
Isopropylbenzene  
Concen: 47.838 ug/l  
RT: 10.963 min Scan# 1619  
Delta R.T. 0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

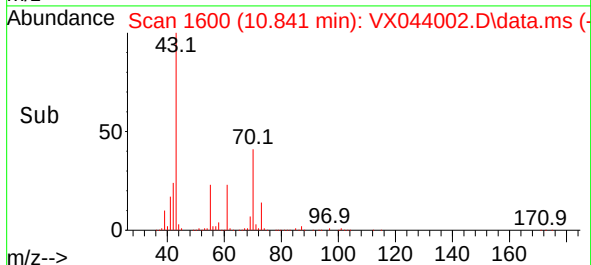
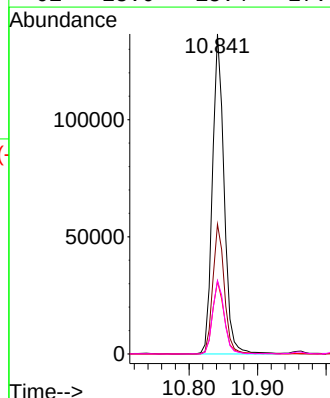
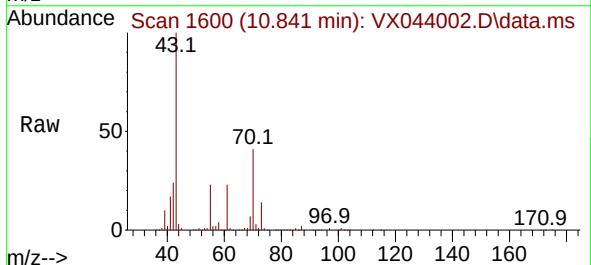
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:105 Resp: 338668  
Ion Ratio Lower Upper  
105 100  
120 25.9 13.0 38.9

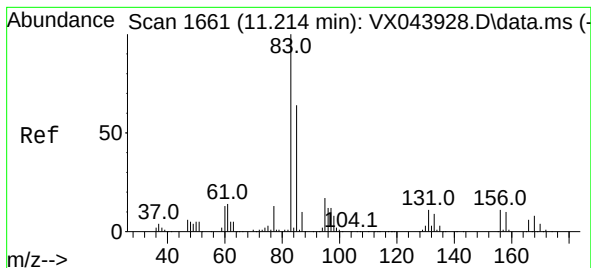


#74  
N-ethyl acetate  
Concen: 49.487 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 43 Resp: 162298  
Ion Ratio Lower Upper  
43 100  
70 40.0 32.2 48.2  
55 22.8 18.1 27.1  
61 23.0 18.4 27.6







#75

1,1,2,2-Tetrachloroethane

Concen: 47.162 ug/l

RT: 11.213 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

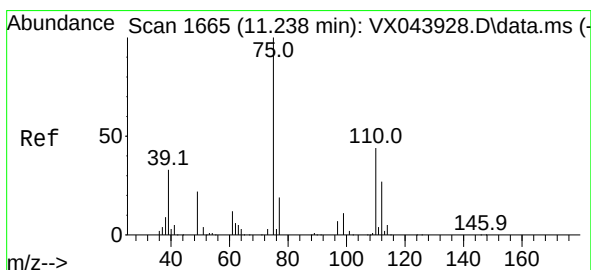
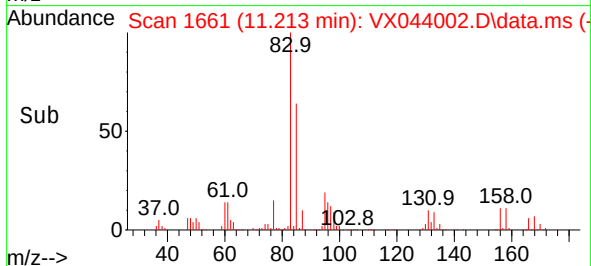
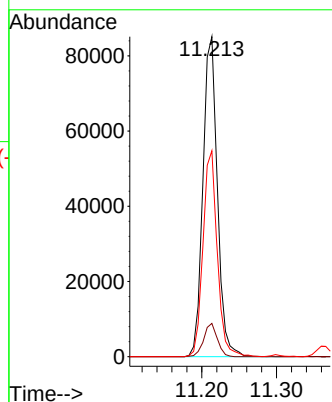
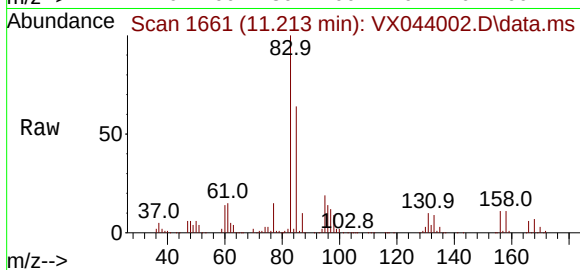
Tgt Ion: 83 Resp: 114325

Ion Ratio Lower Upper

83 100

131 9.8 5.1 15.2

85 63.6 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 60.118 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044002.D

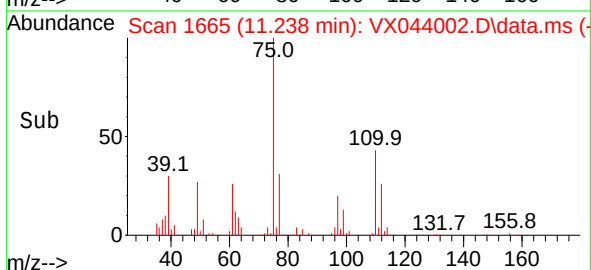
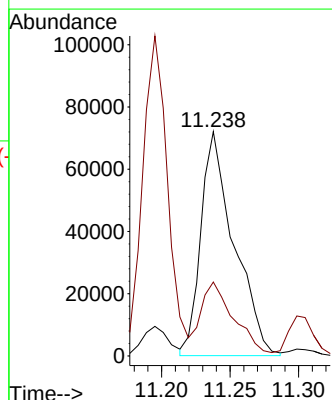
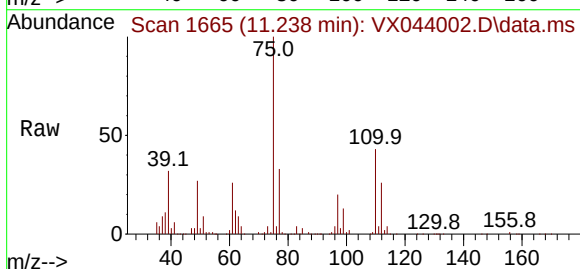
Acq: 25 Nov 2024 21:12

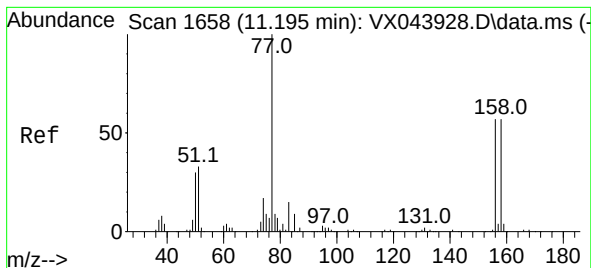
Tgt Ion: 75 Resp: 121420

Ion Ratio Lower Upper

75 100

77 33.1 21.8 65.3





#77

Bromobenzene

Concen: 47.012 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

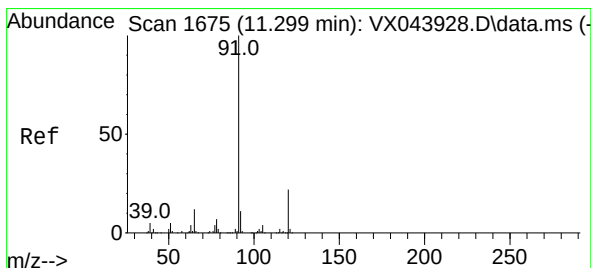
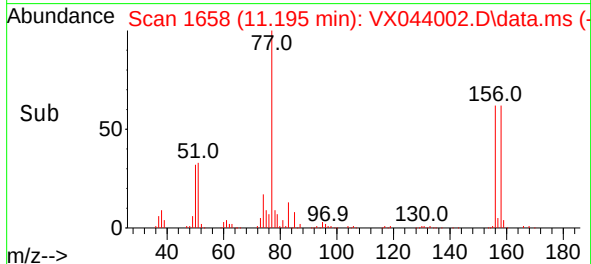
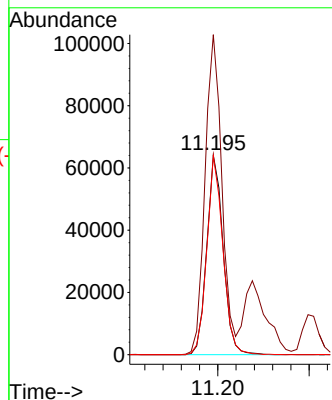
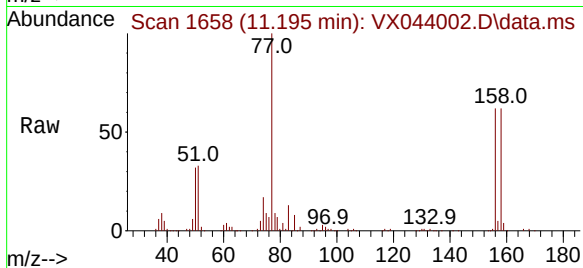
Tgt Ion:156 Resp: 79395

Ion Ratio Lower Upper

156 100

77 164.7 83.4 250.1

158 98.4 47.6 142.8



#78

n-propylbenzene

Concen: 47.443 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044002.D

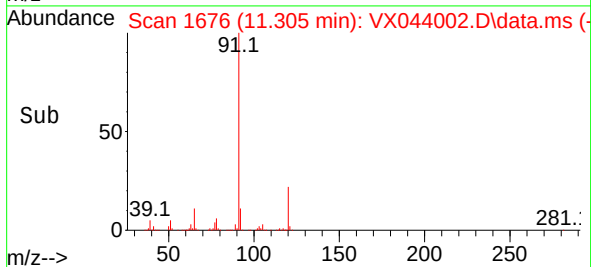
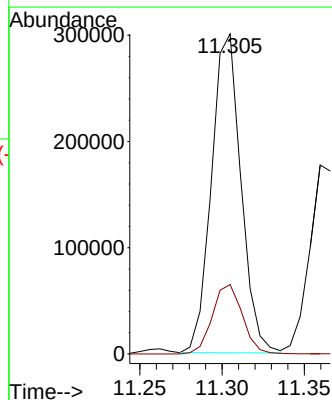
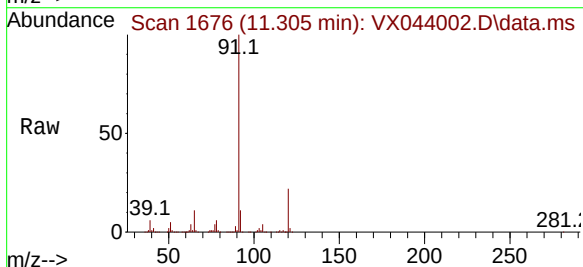
Acq: 25 Nov 2024 21:12

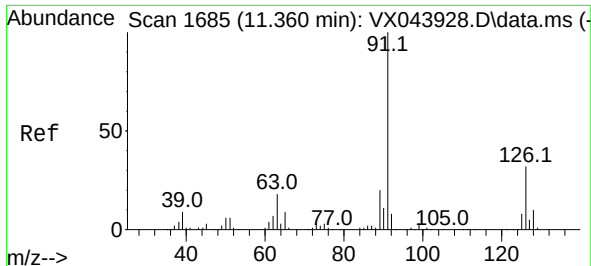
Tgt Ion: 91 Resp: 375124

Ion Ratio Lower Upper

91 100

120 22.2 11.5 34.4





#79

2-Chlorotoluene

Concen: 46.093 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

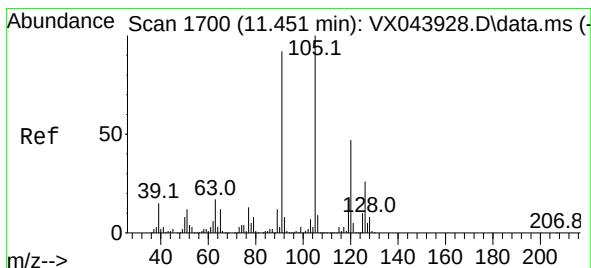
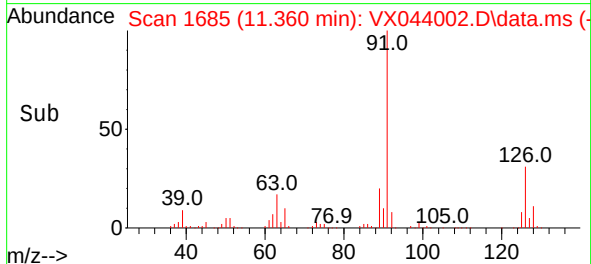
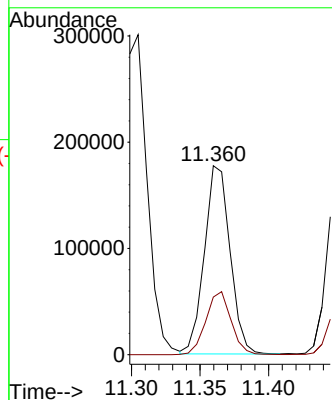
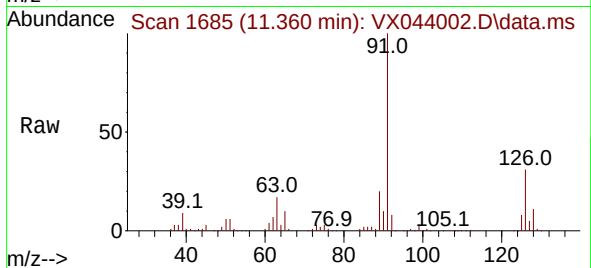
VSTDCCC050EC

Tgt Ion: 91 Resp: 230455

Ion Ratio Lower Upper

91 100

126 33.0 16.6 49.8



#80

1,3,5-Trimethylbenzene

Concen: 48.515 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX044002.D

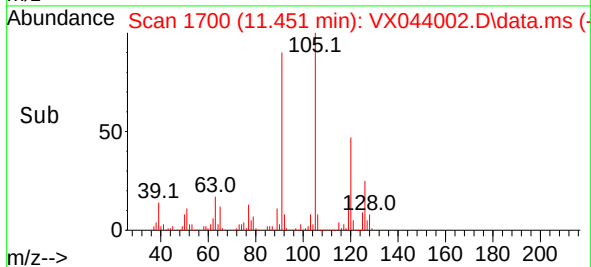
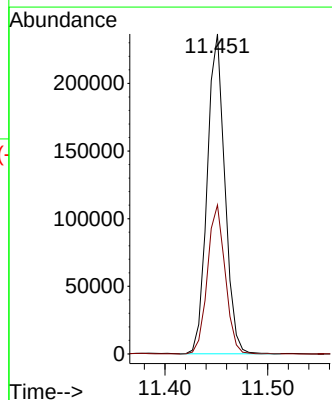
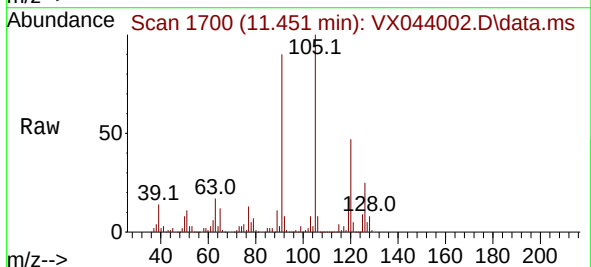
Acq: 25 Nov 2024 21:12

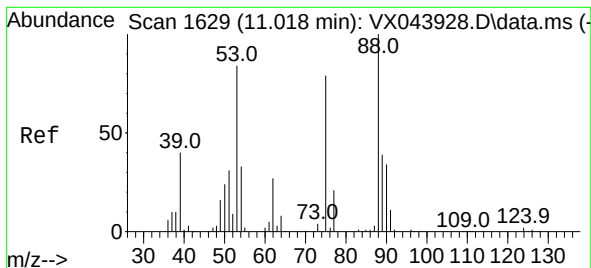
Tgt Ion:105 Resp: 282567

Ion Ratio Lower Upper

105 100

120 46.9 23.3 69.8

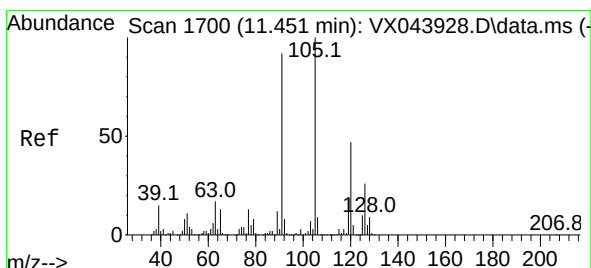
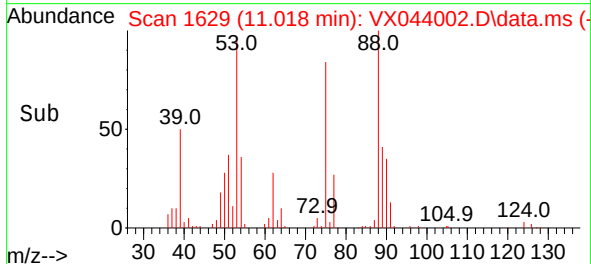
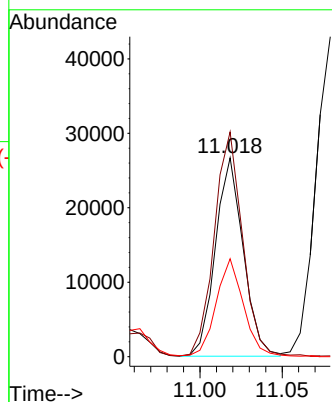
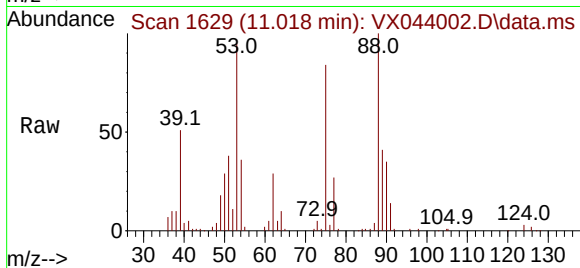




#81  
trans-1,4-Dichloro-2-butene  
Concen: 42.379 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

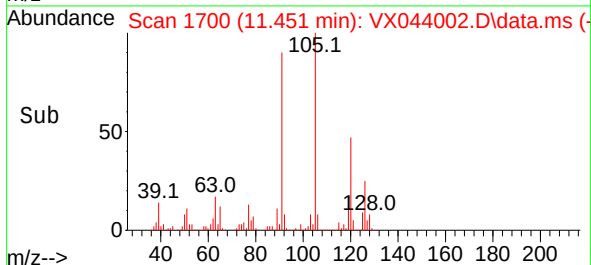
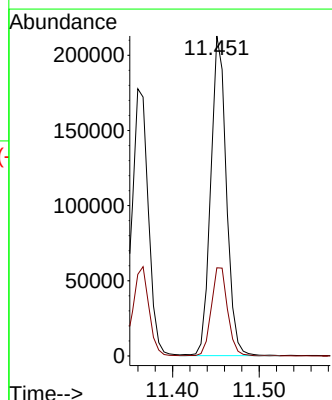
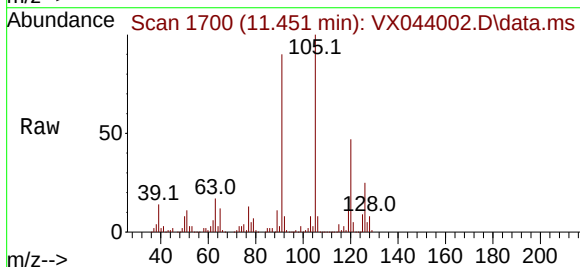
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

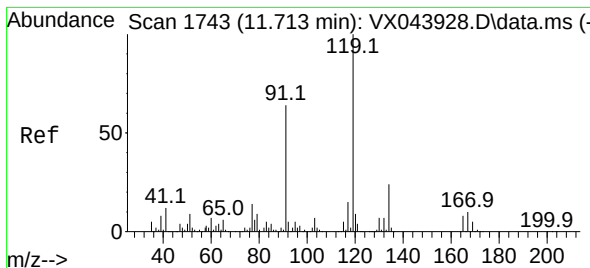
Tgt Ion: 75 Resp: 31367  
Ion Ratio Lower Upper  
75 100  
53 114.3 86.7 130.1  
89 49.1 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 47.210 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion: 91 Resp: 266480  
Ion Ratio Lower Upper  
91 100  
126 28.8 14.3 42.9





#83

tert-Butylbenzene

Concen: 48.465 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

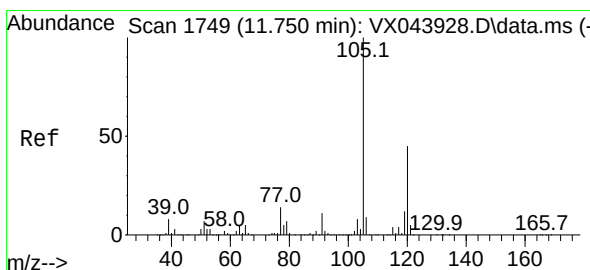
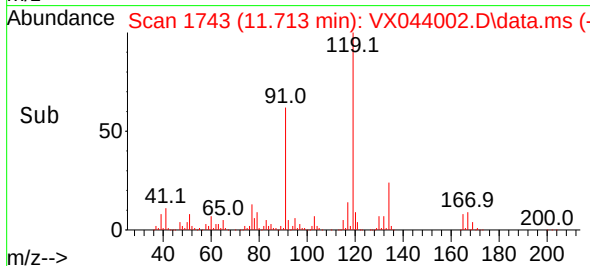
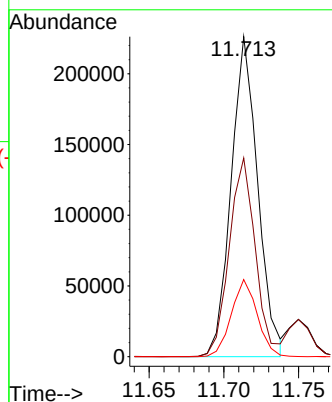
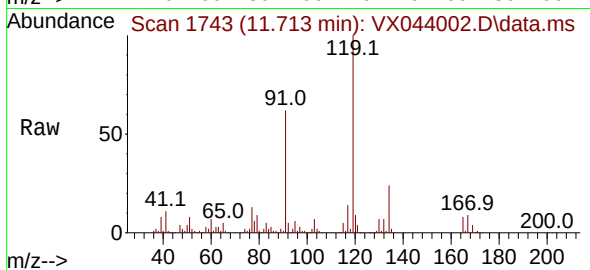
Tgt Ion:119 Resp: 279783

Ion Ratio Lower Upper

119 100

91 61.3 31.0 93.0

134 23.5 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 48.618 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044002.D

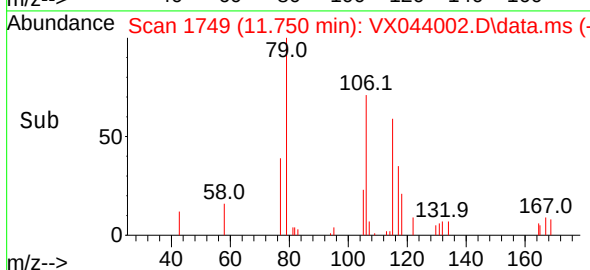
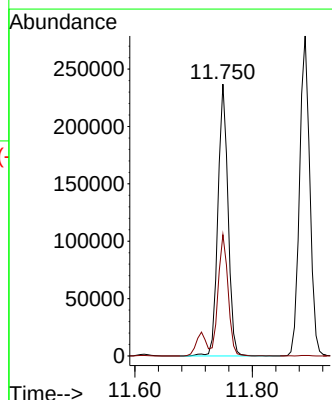
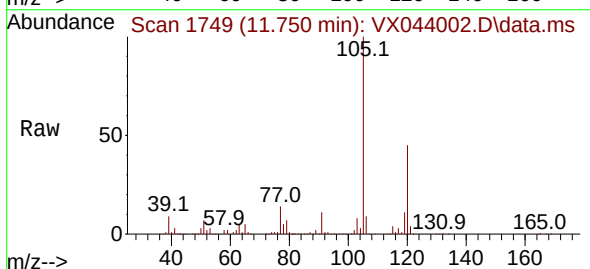
Acq: 25 Nov 2024 21:12

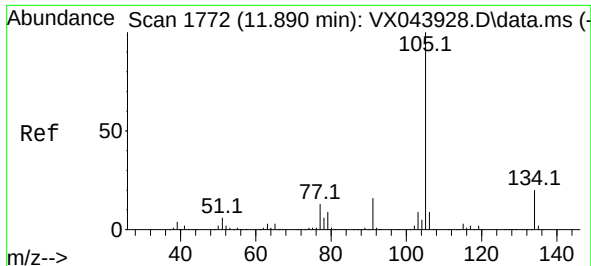
Tgt Ion:105 Resp: 281922

Ion Ratio Lower Upper

105 100

120 44.0 21.9 65.7





#85

sec-Butylbenzene

Concen: 47.629 ug/l

RT: 11.890 min Scan# 1772

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

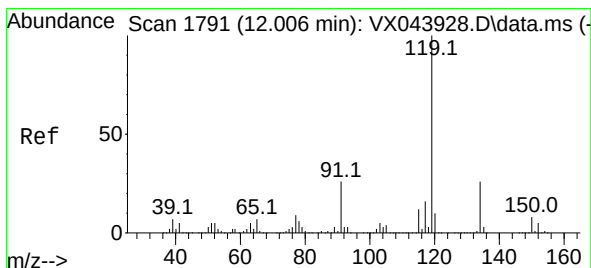
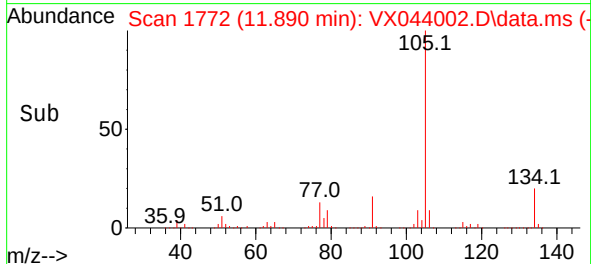
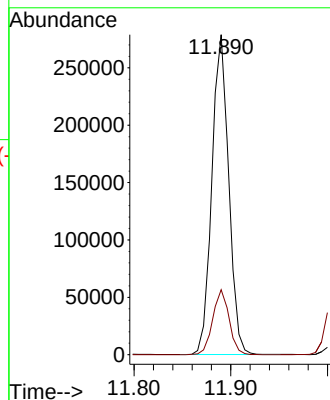
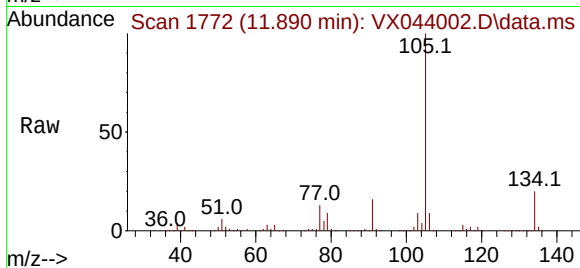
VSTDCCC050EC

Tgt Ion:105 Resp: 336886

Ion Ratio Lower Upper

105 100

134 19.8 9.7 29.1



#86

p-Isopropyltoluene

Concen: 49.100 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

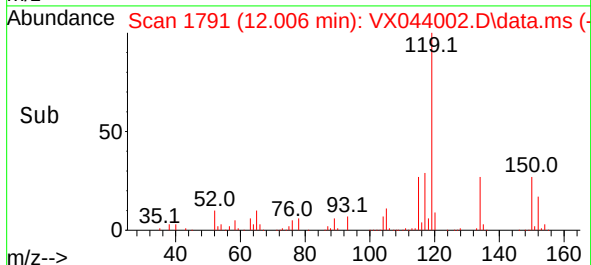
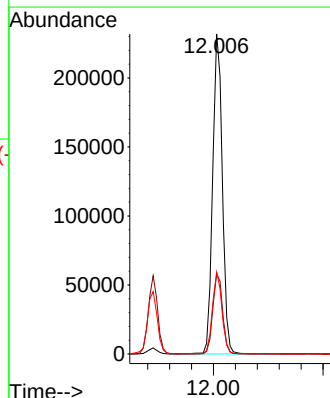
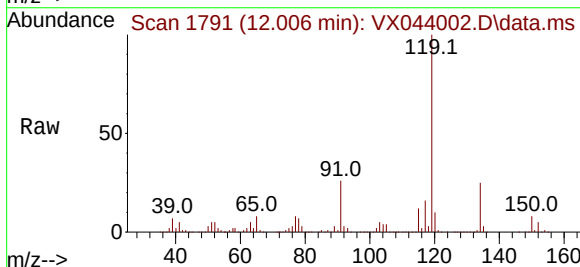
Tgt Ion:119 Resp: 282100

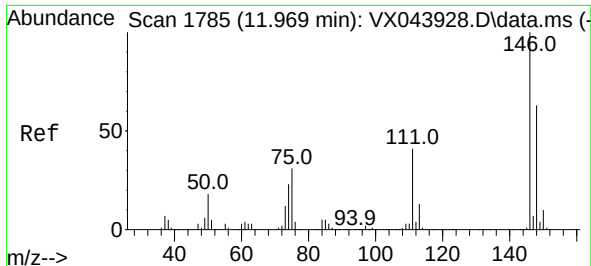
Ion Ratio Lower Upper

119 100

134 25.3 13.0 38.9

91 25.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 46.833 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

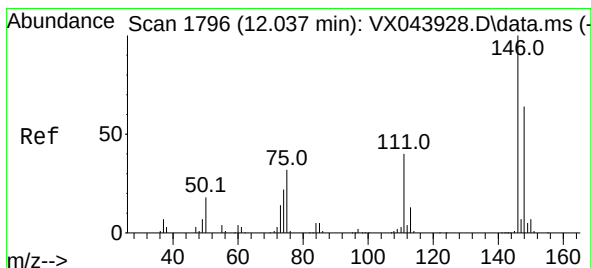
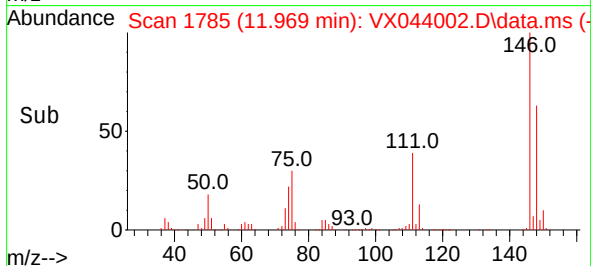
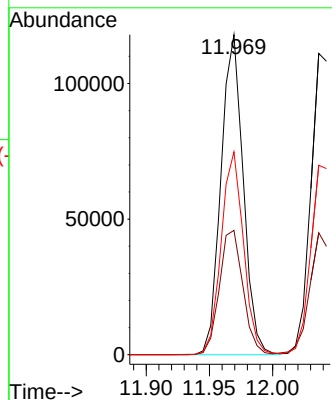
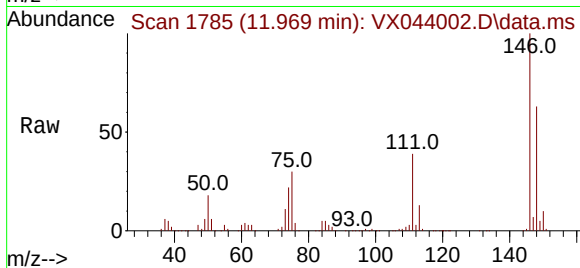
Tgt Ion:146 Resp: 144052

Ion Ratio Lower Upper

146 100

111 41.3 21.1 63.3

148 63.7 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 45.963 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

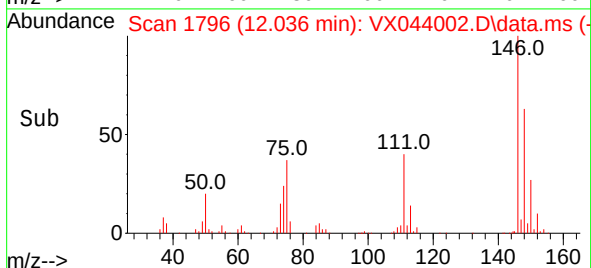
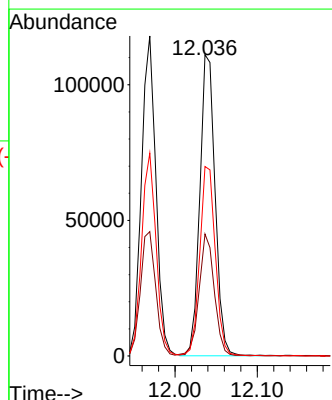
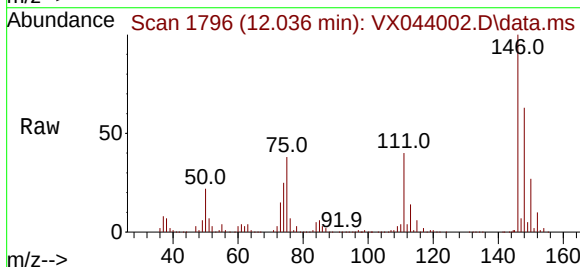
Tgt Ion:146 Resp: 144135

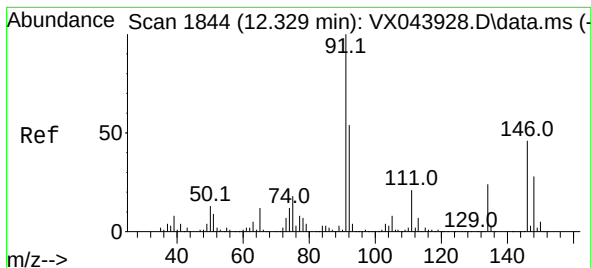
Ion Ratio Lower Upper

146 100

111 39.9 20.1 60.3

148 64.1 30.9 92.8





#89

n-Butylbenzene

Concen: 47.613 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

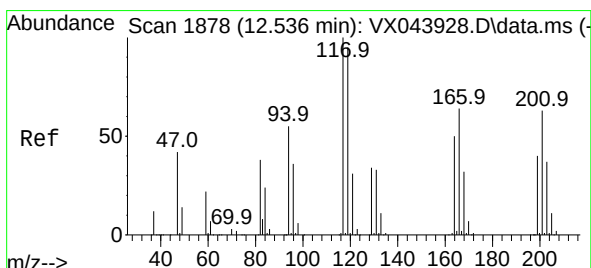
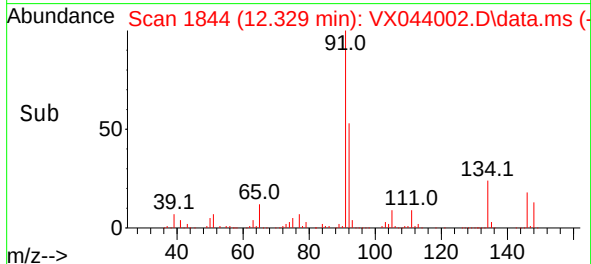
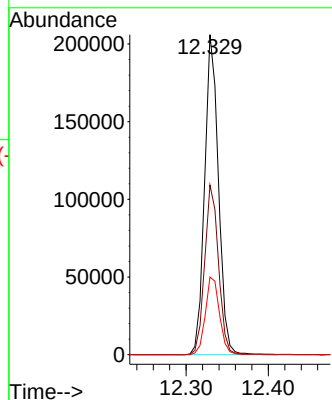
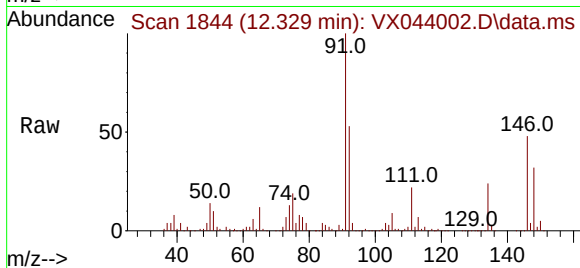
Tgt Ion: 91 Resp: 241187

Ion Ratio Lower Upper

91 100

92 53.2 26.6 79.8

134 24.8 12.4 37.2



#90

Hexachloroethane

Concen: 45.341 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044002.D

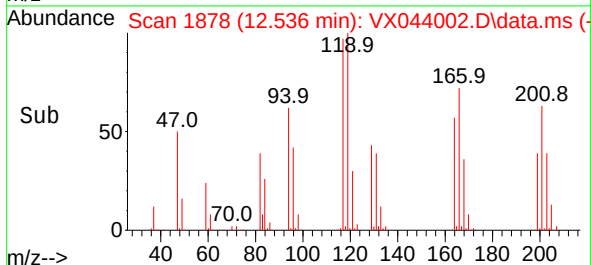
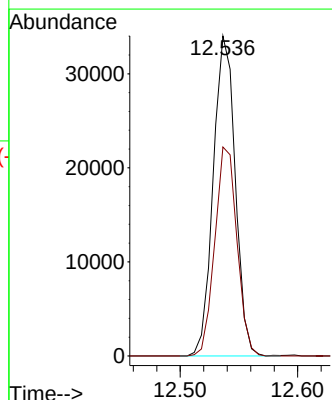
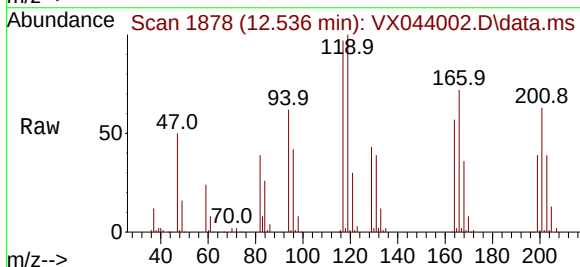
Acq: 25 Nov 2024 21:12

Tgt Ion: 117 Resp: 44297

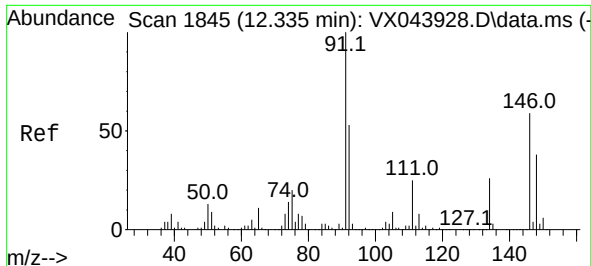
Ion Ratio Lower Upper

117 100

201 65.9 32.4 97.0







#91

1,2-Dichlorobenzene

Concen: 47.496 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

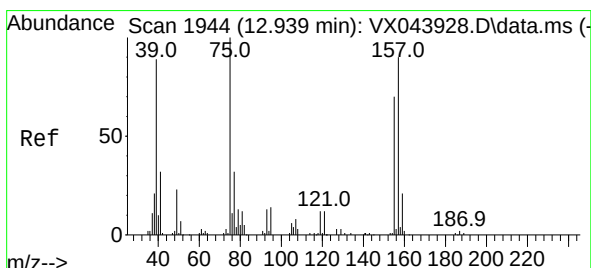
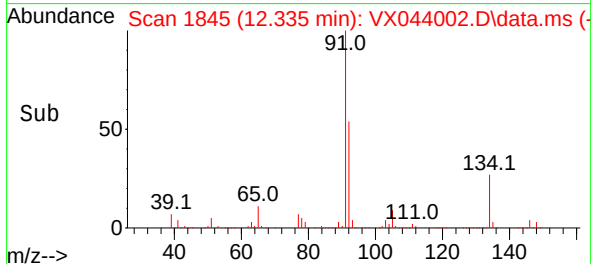
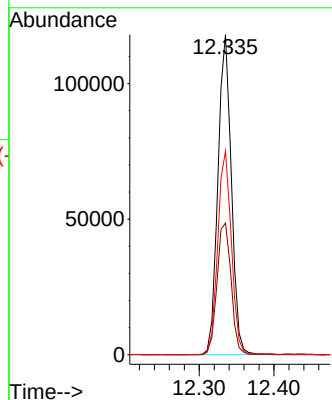
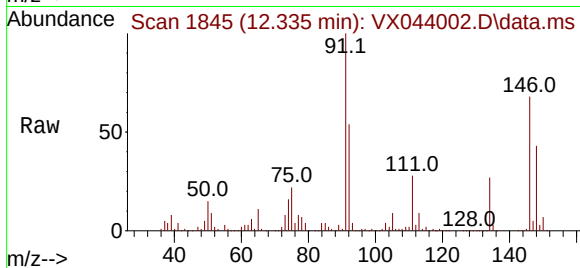
Tgt Ion:146 Resp: 147432

Ion Ratio Lower Upper

146 100

111 43.2 21.5 64.5

148 64.6 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.434 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

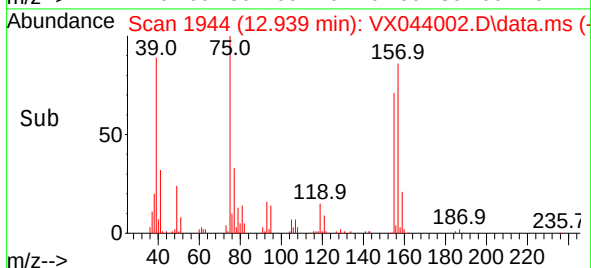
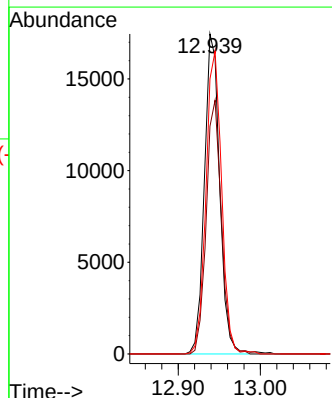
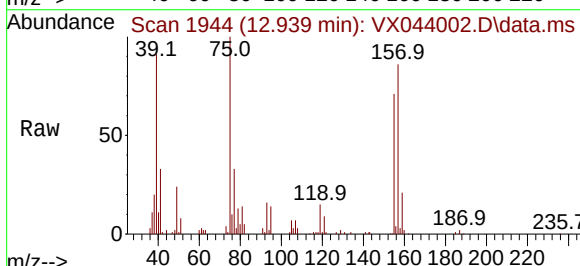
Tgt Ion: 75 Resp: 22554

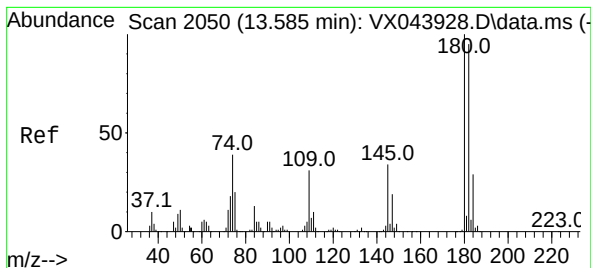
Ion Ratio Lower Upper

75 100

155 78.3 40.1 120.2

157 97.0 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 45.372 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

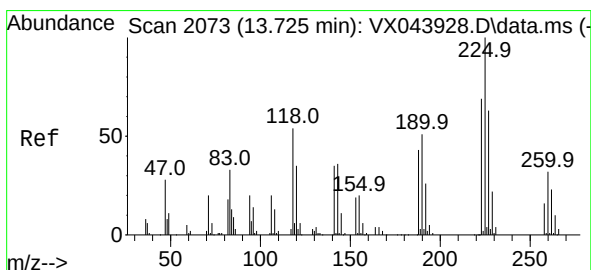
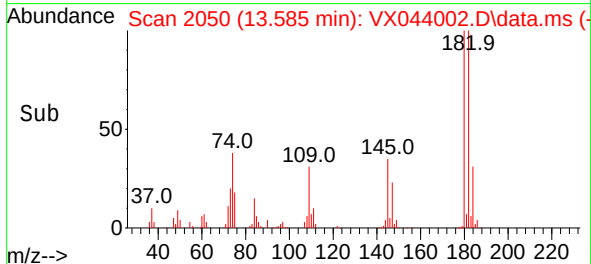
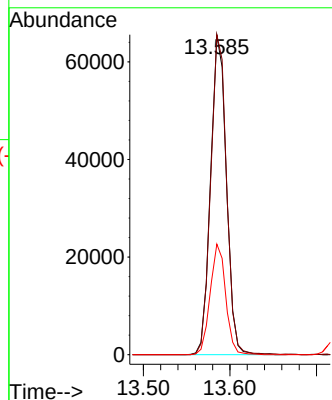
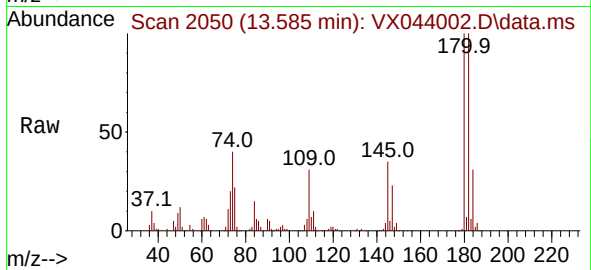
Tgt Ion:180 Resp: 83033

Ion Ratio Lower Upper

180 100

182 100.3 48.0 144.2

145 34.0 16.8 50.4



#94

Hexachlorobutadiene

Concen: 47.196 ug/l

RT: 13.719 min Scan# 2072

Delta R.T. -0.006 min

Lab File: VX044002.D

Acq: 25 Nov 2024 21:12

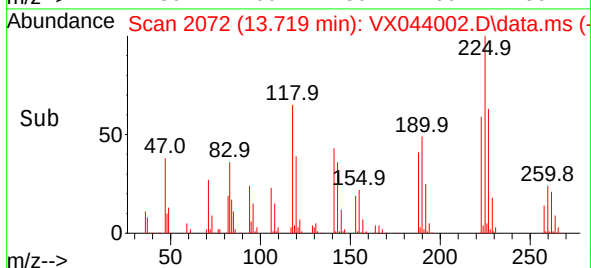
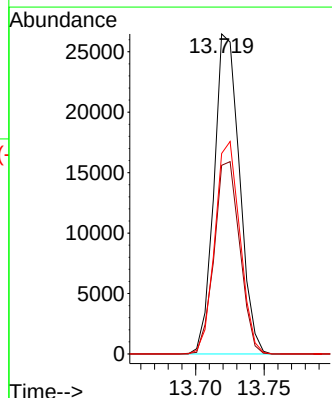
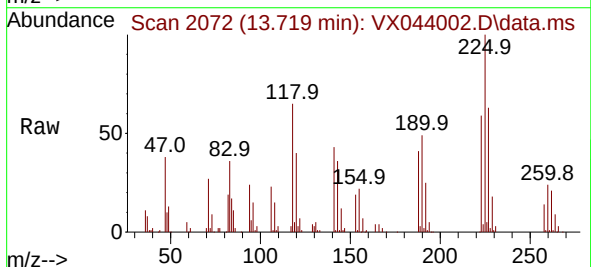
Tgt Ion:225 Resp: 34135

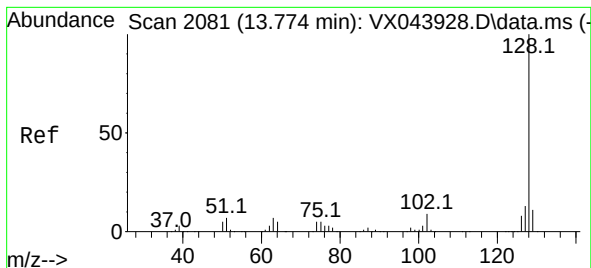
Ion Ratio Lower Upper

225 100

223 60.3 32.9 98.6

227 65.4 31.6 94.8

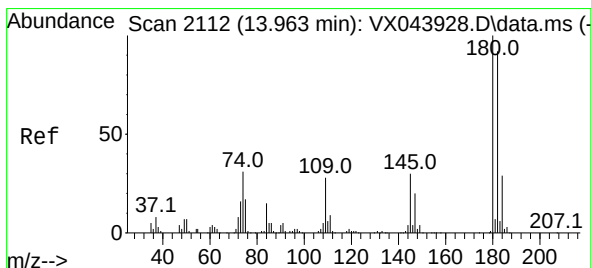
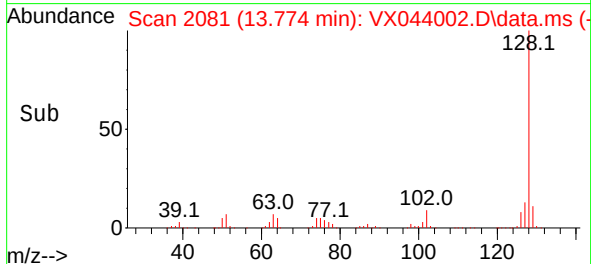
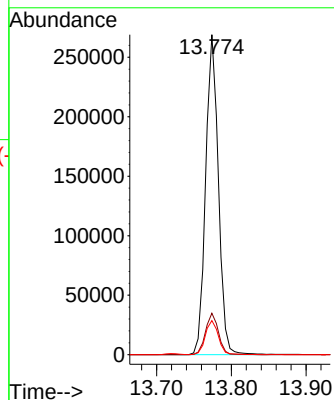
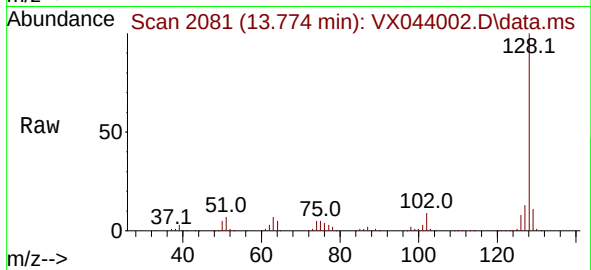




#95  
Naphthalene  
Concen: 48.261 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

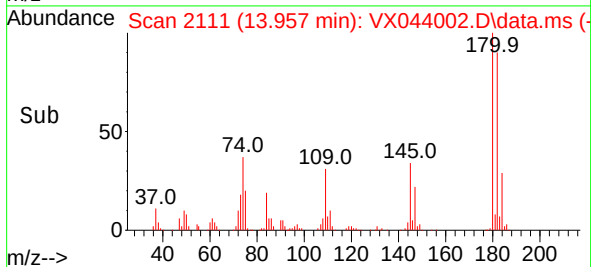
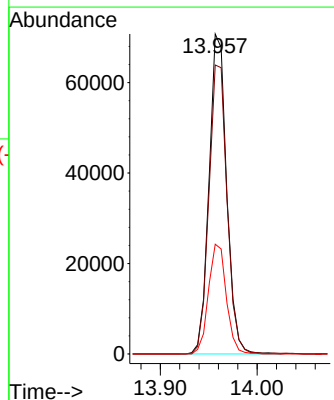
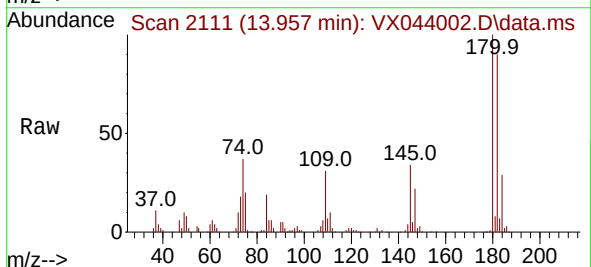
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:128 Resp: 317925  
Ion Ratio Lower Upper  
128 100  
127 13.1 10.2 15.2  
129 10.9 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 48.432 ug/l  
RT: 13.957 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: VX044002.D  
Acq: 25 Nov 2024 21:12

Tgt Ion:180 Resp: 89710  
Ion Ratio Lower Upper  
180 100  
182 93.1 45.6 136.8  
145 34.8 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.538  | 168  | 135994   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.751  | 114  | 228315   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 197529   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 92620    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 110161   | 47.228   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 94.460%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 82790    | 50.747   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 101.500% |
| 50) Toluene-d8              | 8.641  | 98    | 278812   | 49.578   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 99.160%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 96622    | 50.484   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 100.960% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 75702   | 43.941  | ug/l   | 97  |
| 3) Chloromethane             | 1.295 | 50  | 78484   | 43.291  | ug/l   | 98  |
| 4) Vinyl Chloride            | 1.374 | 62  | 87002   | 45.118  | ug/l   | 96  |
| 5) Bromomethane              | 1.593 | 94  | 54518   | 45.957  | ug/l   | 97  |
| 6) Chloroethane              | 1.666 | 64  | 56985   | 48.498  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 1.874 | 101 | 152571  | 44.255  | ug/l   | 97  |
| 8) Diethyl Ether             | 2.130 | 74  | 55836   | 44.435  | ug/l   | 95  |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 75770   | 46.075  | ug/l   | 99  |
| 10) Methyl Iodide            | 2.441 | 142 | 92105   | 44.845  | ug/l   | 99  |
| 11) Tert butyl alcohol       | 2.989 | 59  | 82156   | 219.438 | ug/l   | 98  |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 68952   | 44.001  | ug/l   | 97  |
| 13) Acrolein                 | 2.233 | 56  | 82214   | 208.335 | ug/l   | 98  |
| 14) Allyl chloride           | 2.654 | 41  | 116809  | 45.619  | ug/l   | 99  |
| 15) Acrylonitrile            | 3.056 | 53  | 215553  | 236.257 | ug/l   | 98  |
| 16) Acetone                  | 2.380 | 43  | 271476  | 253.405 | ug/l   | 100 |
| 17) Carbon Disulfide         | 2.502 | 76  | 132536  | 41.002  | ug/l   | 99  |
| 18) Methyl Acetate           | 2.697 | 43  | 117885  | 47.252  | ug/l   | 100 |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 257926  | 45.330  | ug/l   | 99  |
| 20) Methylene Chloride       | 2.782 | 84  | 79518   | 43.739  | ug/l   | 97  |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 71142   | 43.972  | ug/l   | 98  |
| 22) Diisopropyl ether        | 3.751 | 45  | 249952  | 45.651  | ug/l   | 90  |
| 23) Vinyl Acetate            | 3.715 | 43  | 1111841 | 237.383 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 143957  | 45.576  | ug/l   | 100 |
| 25) 2-Butanone               | 4.550 | 43  | 339041  | 245.268 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 4.459 | 77  | 131573  | 46.124  | ug/l   | 99  |
| 27) cis-1,2-Dichloroethene   | 4.471 | 96  | 90728   | 45.367  | ug/l   | 100 |
| 28) Bromochloromethane       | 4.885 | 49  | 66554   | 47.869  | ug/l   | 97  |
| 29) Tetrahydrofuran          | 5.001 | 42  | 198461  | 234.185 | ug/l   | 99  |
| 30) Chloroform               | 5.080 | 83  | 155058  | 45.643  | ug/l   | 98  |
| 31) Cyclohexane              | 5.458 | 56  | 114132  | 43.902  | ug/l   | 95  |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 138038  | 47.118  | ug/l   | 99  |
| 36) 1,1-Dichloropropene      | 5.678 | 75  | 99253   | 48.822  | ug/l   | 98  |
| 37) Ethyl Acetate            | 4.702 | 43  | 123429  | 48.911  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 113308  | 49.603  | ug/l   | 96  |
| 39) Methylcyclohexane        | 7.373 | 83  | 124981  | 47.322  | ug/l   | 97  |
| 40) Benzene                  | 6.025 | 78  | 305074  | 48.176  | ug/l   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044004.D  
 Acq On : 26 Nov 2024 09:59  
 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 27 00:45:54 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 63829    | 49.419  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.074  | 62   | 120257   | 47.284  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.330  | 43   | 196617   | 48.957  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 75842    | 42.307  | ug/l   | 91       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 75782    | 48.861  | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 61145    | 49.837  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.812  | 83   | 113694   | 51.670  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 93154    | 48.339  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 31832    | 927.311 | ug/l   | 90       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 617411   | 251.920 | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 183717   | 48.472  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.970  | 75   | 113108   | 50.408  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 121994   | 49.594  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 74997    | 47.934  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.110  | 69   | 121922   | 50.030  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 130708   | 49.593  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 319778   | 239.296 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 476916   | 258.897 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 82084    | 52.290  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 79068    | 49.979  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 62677    | 48.121  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 203884   | 46.996  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 70900    | 50.392  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 355247   | 48.325  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 263420   | 96.088  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 129159   | 48.254  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 223116   | 50.399  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 50248    | 47.213  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 339978   | 47.752  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 161635   | 49.007  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 117371   | 48.146  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 128701   | 63.364  | ug/l   | 82       |
| 77) Bromobenzene              | 11.195 | 156  | 81644    | 48.072  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 391796   | 49.273  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 234054   | 46.549  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 285548   | 48.750  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 35271    | 47.385  | ug/l   | 94       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 276164   | 48.649  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 280949   | 48.392  | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 288545   | 49.480  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 350478   | 49.271  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 297712   | 51.525  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 147898   | 47.812  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 147915   | 46.902  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 261214   | 51.276  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 47951    | 48.805  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 153709   | 49.239  | ug/l   | 98       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 24192    | 49.526  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 88506    | 48.090  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 36855    | 50.669  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 330189   | 49.840  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 92201    | 49.496  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044004.D  
Acq On : 26 Nov 2024 09:59  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

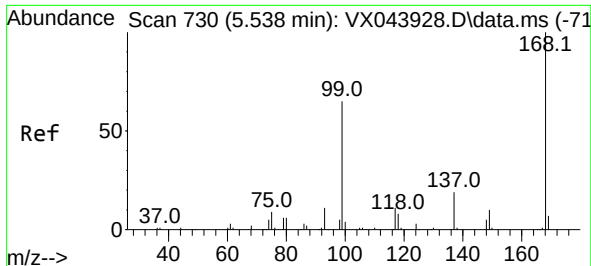
Quant Time: Nov 27 00:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

Quant Time: Nov 27 00:45:54 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

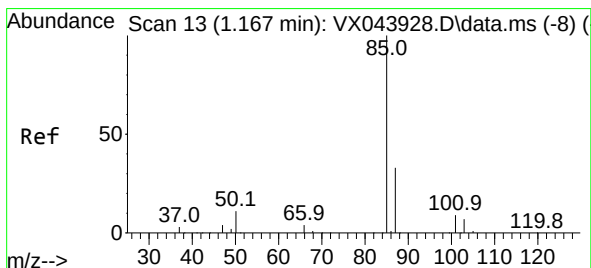
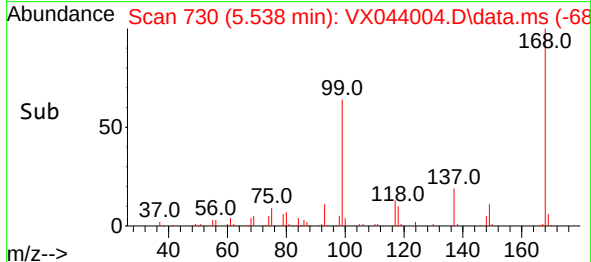
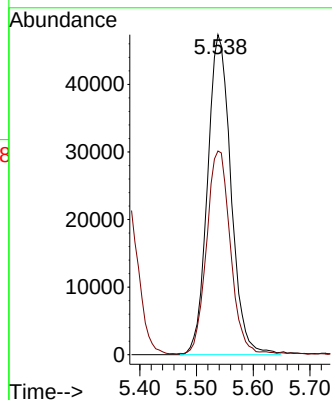
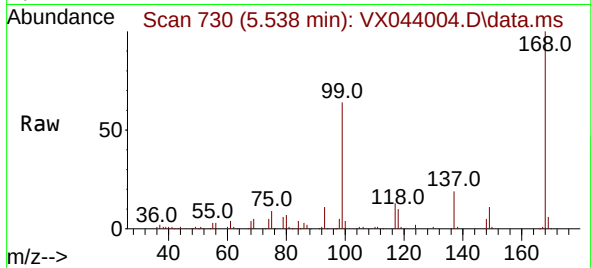




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.538 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

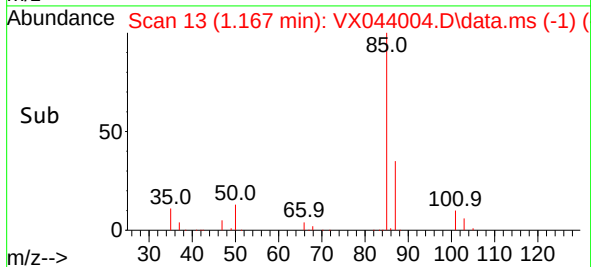
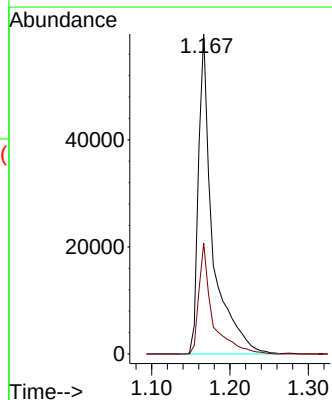
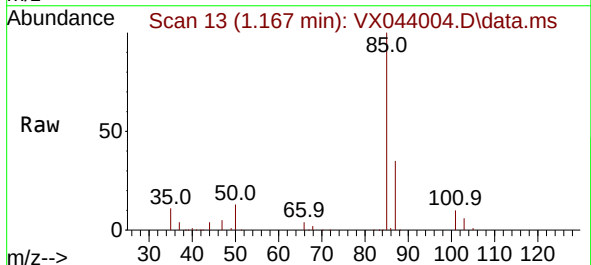
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:168 Resp: 135994  
Ion Ratio Lower Upper  
168 100  
99 63.3 51.8 77.8

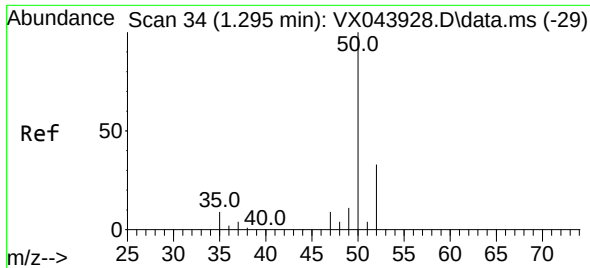


#2  
Dichlorodifluoromethane  
Concen: 43.941 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 85 Resp: 75702  
Ion Ratio Lower Upper  
85 100  
87 34.7 16.6 49.8



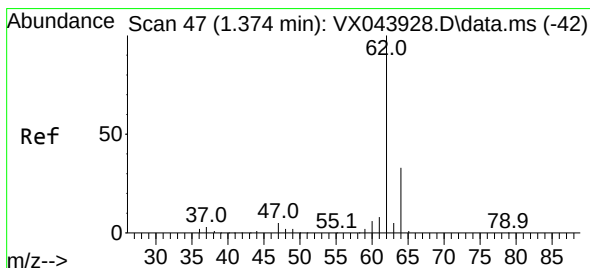
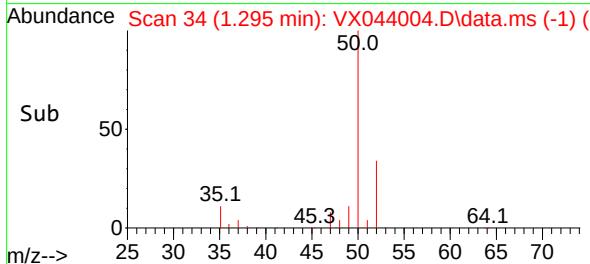
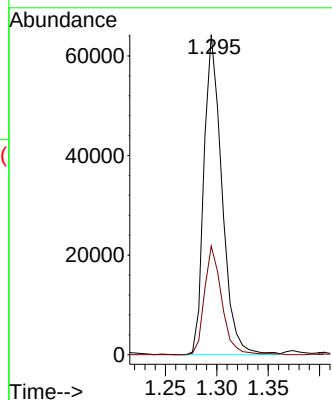
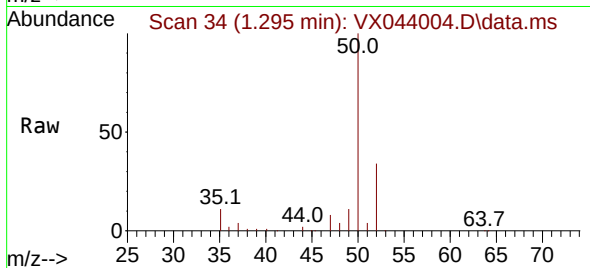




#3  
Chloromethane  
Concen: 43.291 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

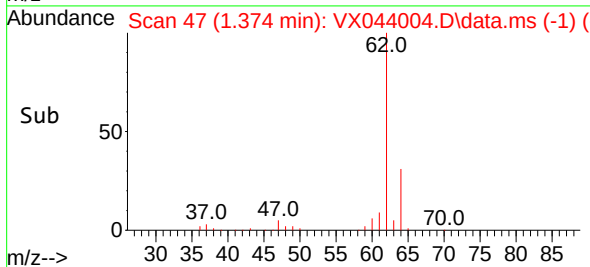
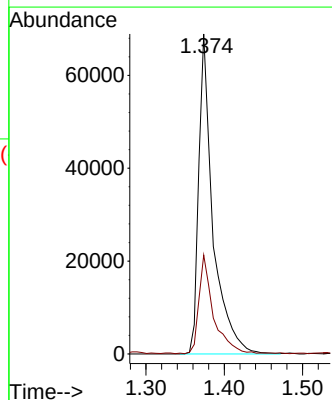
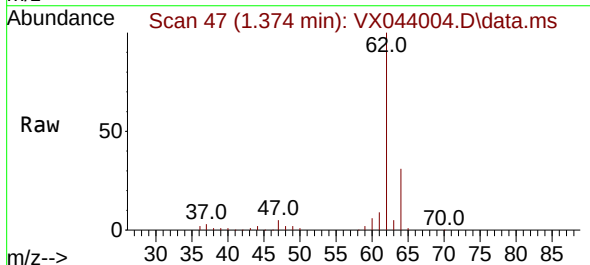
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

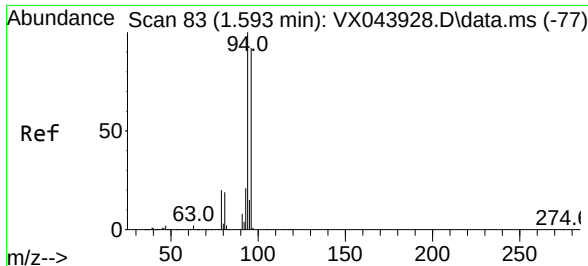
Tgt Ion: 50 Resp: 78484  
Ion Ratio Lower Upper  
50 100  
52 33.9 26.1 39.1



#4  
Vinyl Chloride  
Concen: 45.118 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 62 Resp: 87002  
Ion Ratio Lower Upper  
62 100  
64 30.6 26.2 39.4

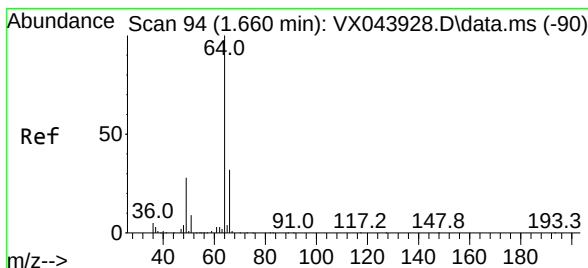
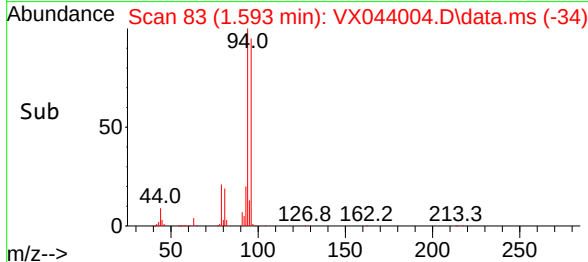
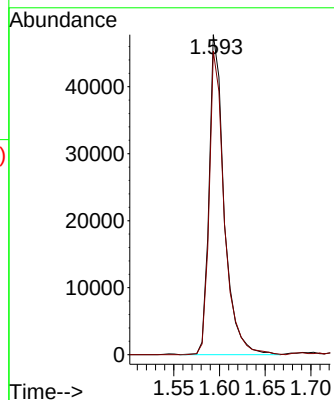
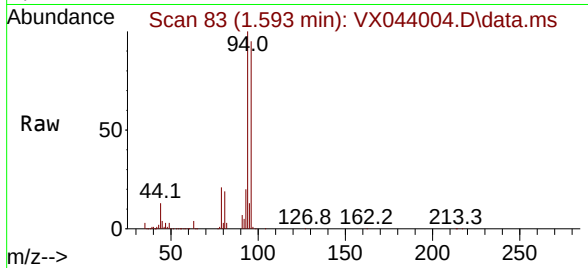




#5  
Bromomethane  
Concen: 45.957 ug/l  
RT: 1.593 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

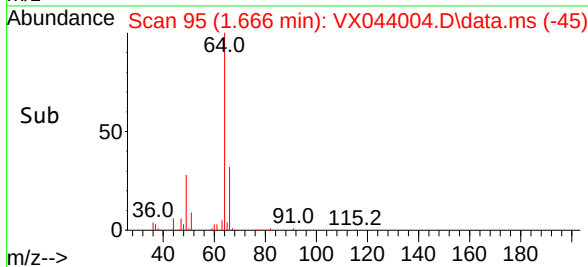
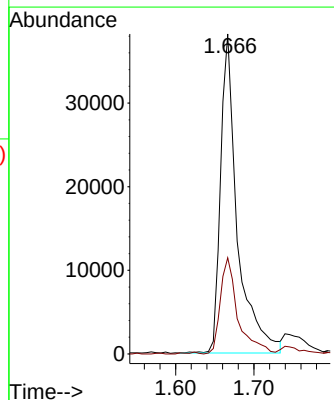
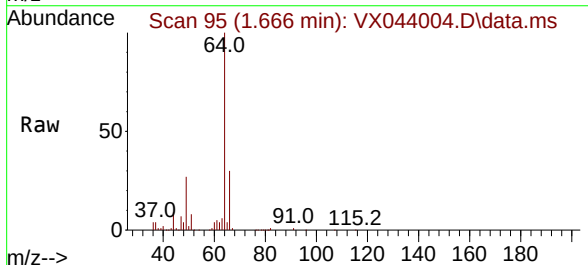
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

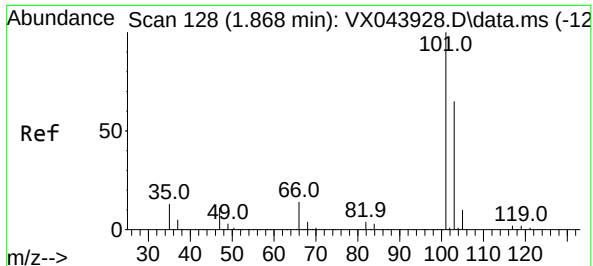
Tgt Ion: 94 Resp: 54518  
Ion Ratio Lower Upper  
94 100  
96 94.8 73.9 110.9



#6  
Chloroethane  
Concen: 48.498 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 64 Resp: 56985  
Ion Ratio Lower Upper  
64 100  
66 29.8 25.9 38.9

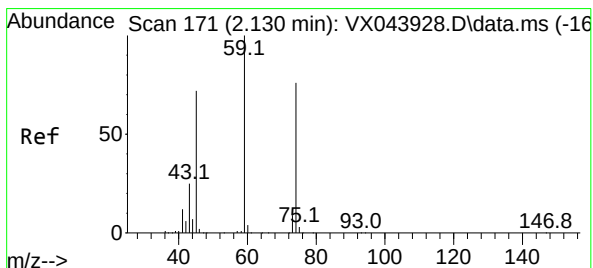
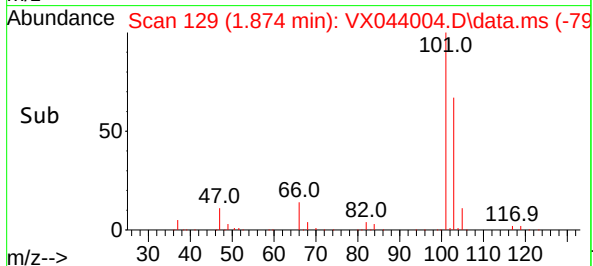
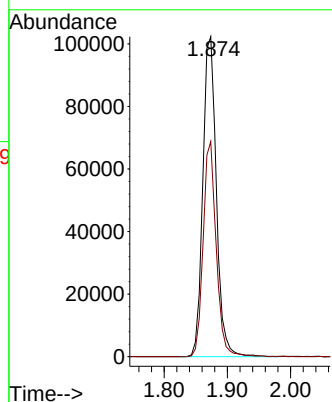
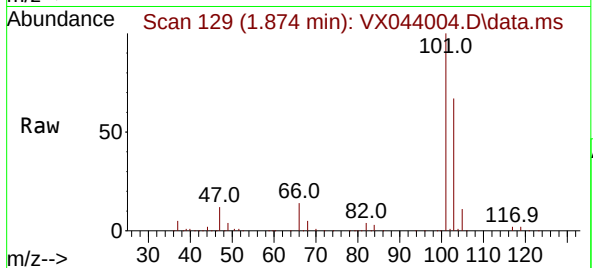




#7  
Trichlorofluoromethane  
Concen: 44.255 ug/l  
RT: 1.874 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

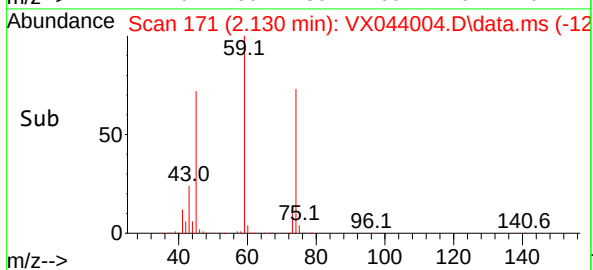
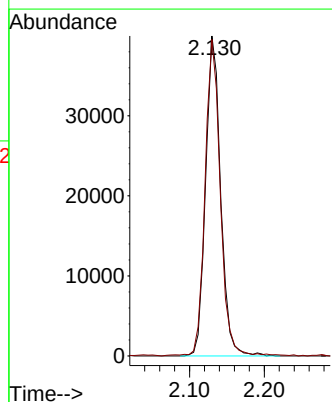
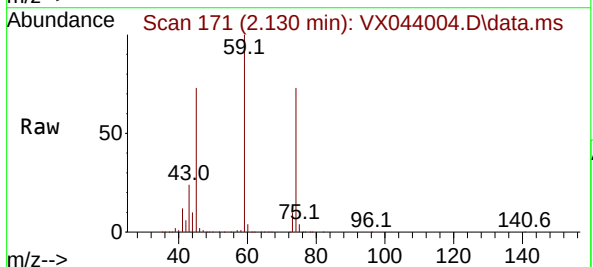
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

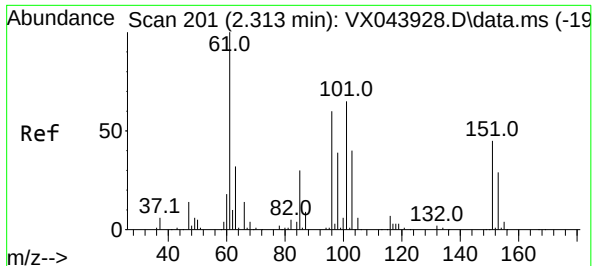
Tgt Ion:101 Resp: 152571  
Ion Ratio Lower Upper  
101 100  
103 67.3 52.2 78.2



#8  
Diethyl Ether  
Concen: 44.435 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 74 Resp: 55836  
Ion Ratio Lower Upper  
74 100  
45 100.7 47.9 143.6

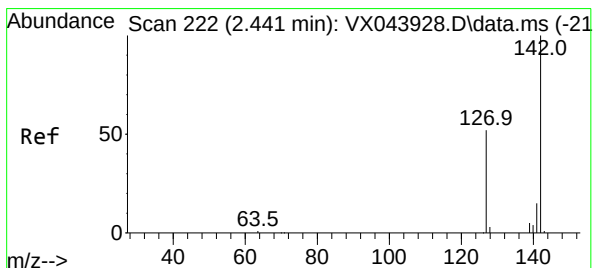
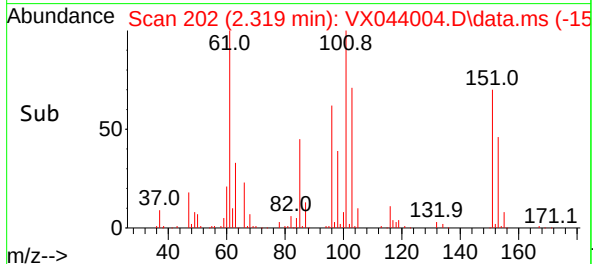
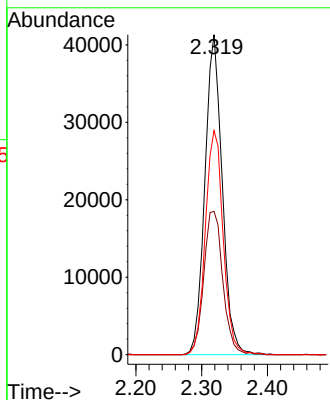
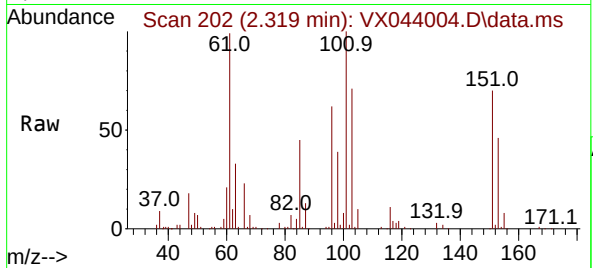




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 46.075 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

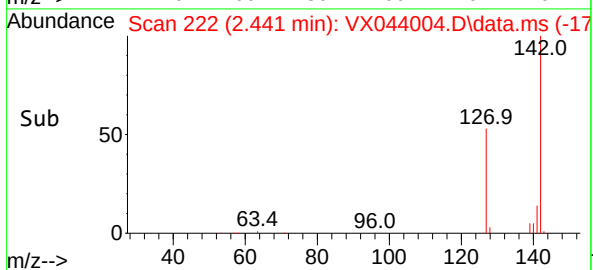
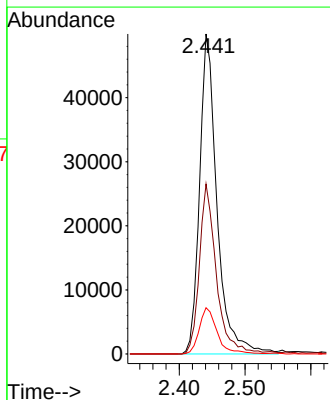
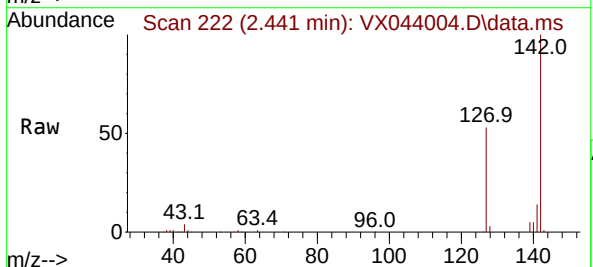
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

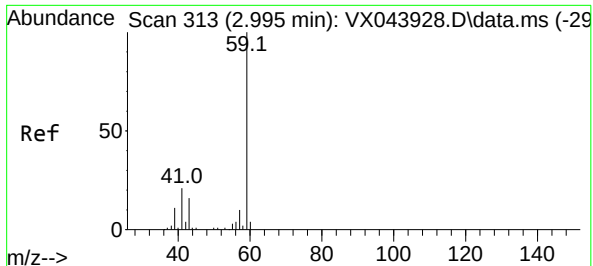
Tgt Ion:101 Resp: 75770  
Ion Ratio Lower Upper  
101 100  
85 49.2 37.9 56.9  
151 72.2 57.5 86.3



#10  
Methyl Iodide  
Concen: 44.845 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion:142 Resp: 92105  
Ion Ratio Lower Upper  
142 100  
127 52.1 40.7 61.1  
141 14.9 12.0 18.0

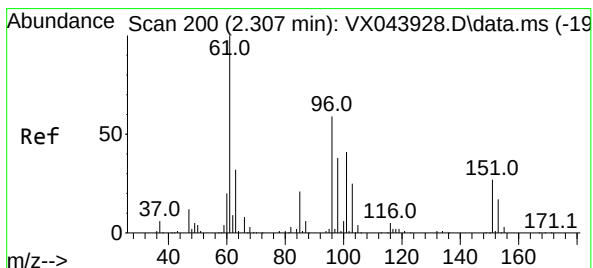
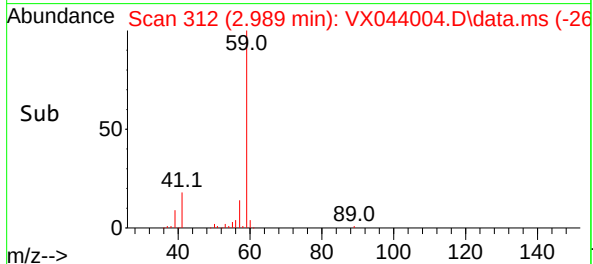
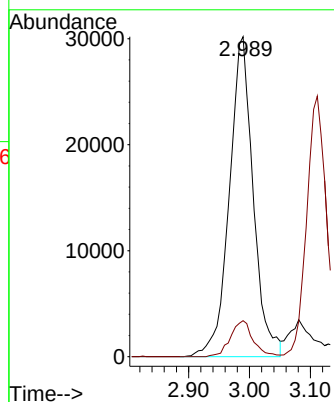
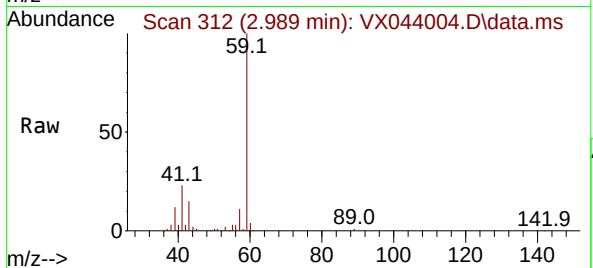




#11  
Tert butyl alcohol  
Concen: 219.438 ug/l  
RT: 2.989 min Scan# 313  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

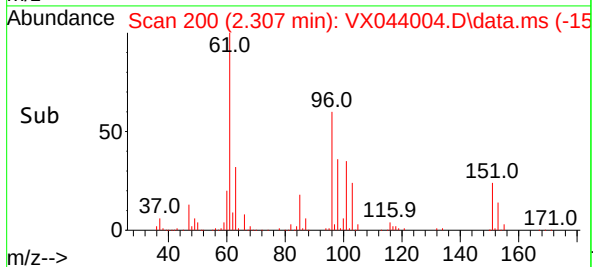
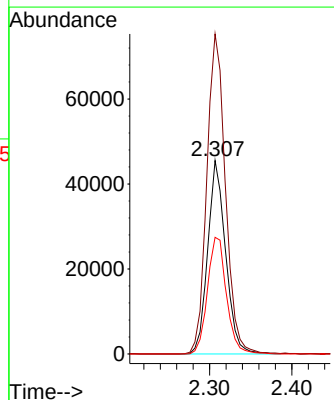
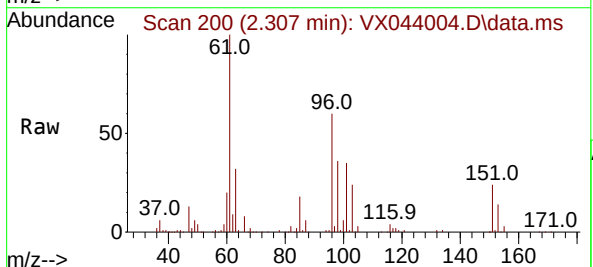
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

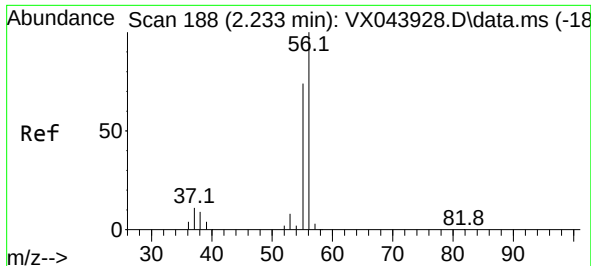
Tgt Ion: 59 Resp: 82156  
Ion Ratio Lower Upper  
59 100  
57 10.7 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 44.001 ug/l  
RT: 2.307 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 96 Resp: 68952  
Ion Ratio Lower Upper  
96 100  
61 165.4 135.5 203.3  
98 60.3 50.8 76.2





#13

Acrolein

Concen: 208.335 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

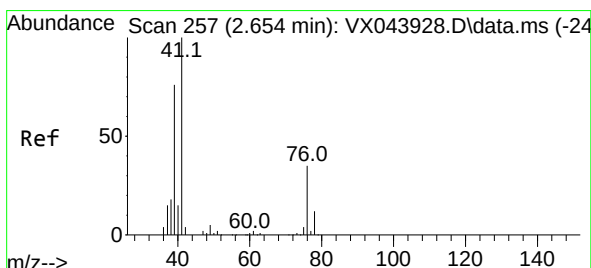
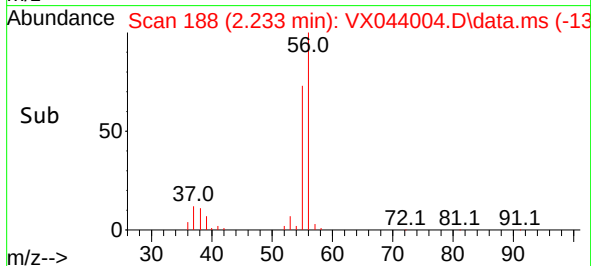
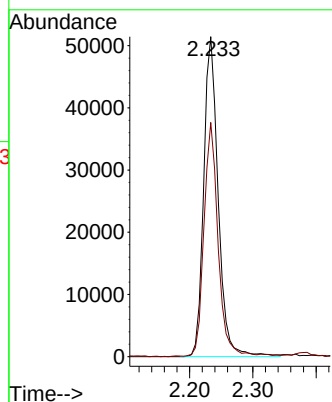
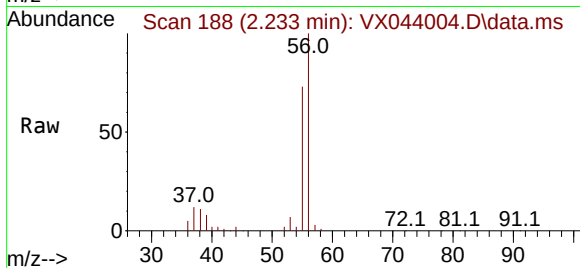
VSTDCCC050

Tgt Ion: 56 Resp: 82214

Ion Ratio Lower Upper

56 100

55 71.4 58.2 87.2



#14

Allyl chloride

Concen: 45.619 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

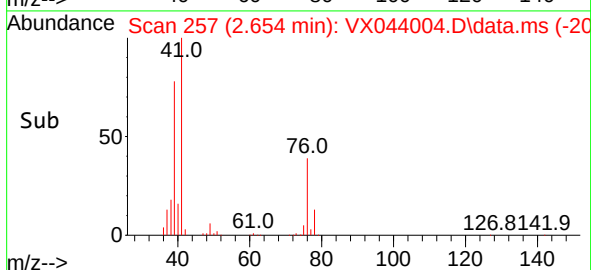
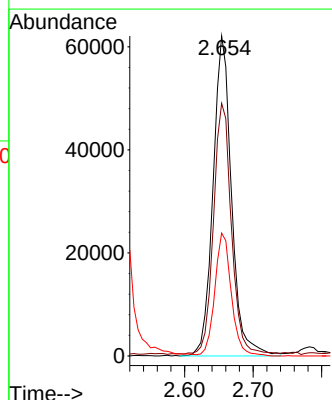
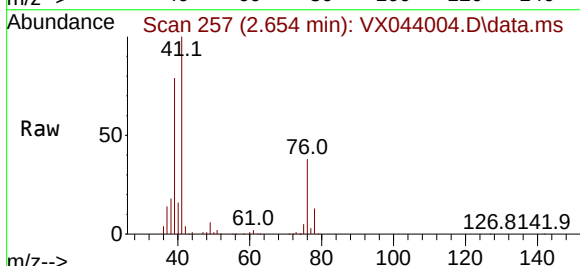
Tgt Ion: 41 Resp: 116809

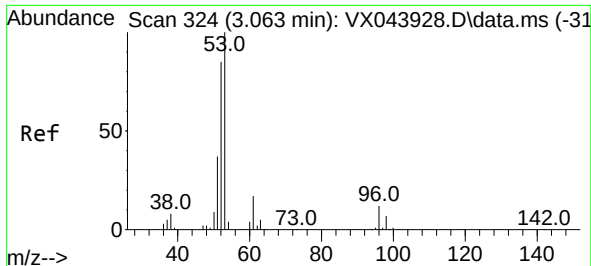
Ion Ratio Lower Upper

41 100

39 75.9 59.5 89.3

76 34.3 27.4 41.2

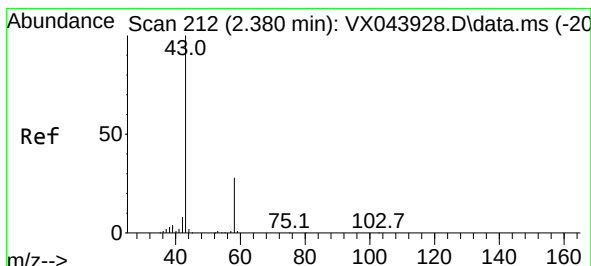
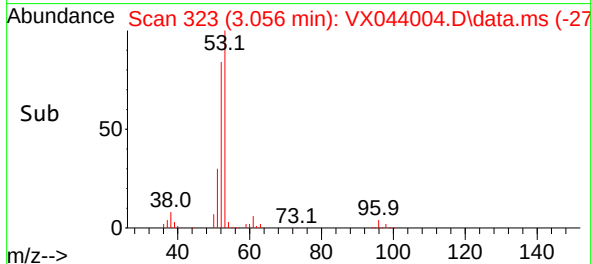
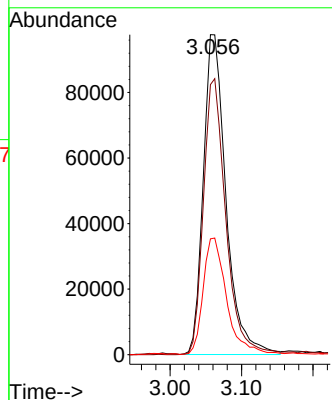
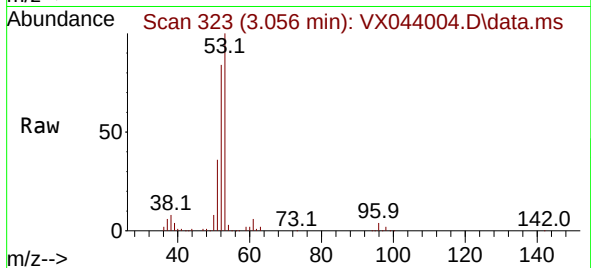




#15  
Acrylonitrile  
Concen: 236.257 ug/l  
RT: 3.056 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

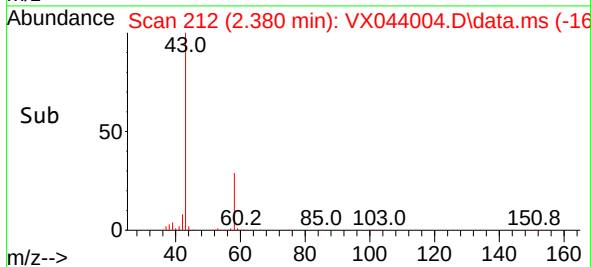
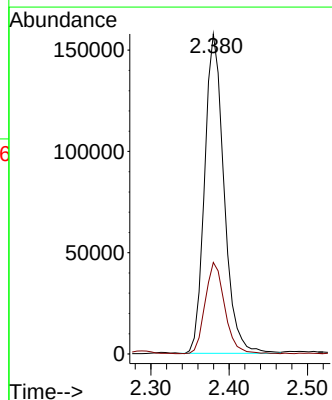
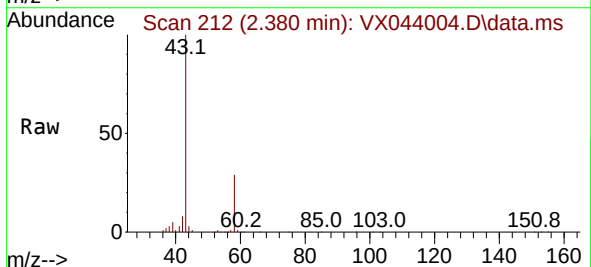
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

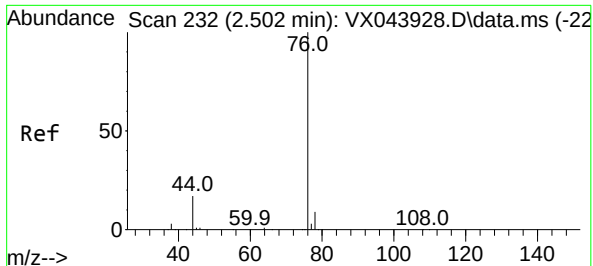
Tgt Ion: 53 Resp: 215553  
Ion Ratio Lower Upper  
53 100  
52 85.6 66.5 99.7  
51 37.6 30.2 45.4



#16  
Acetone  
Concen: 253.405 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 271476  
Ion Ratio Lower Upper  
43 100  
58 28.6 22.7 34.1

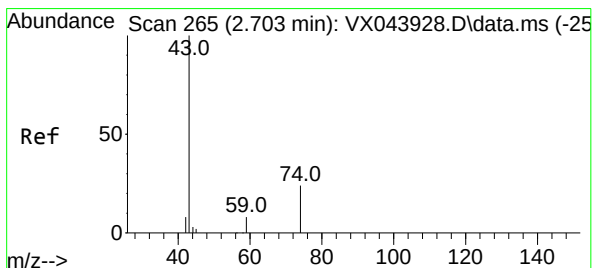
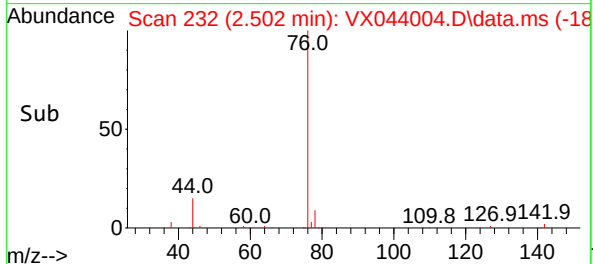
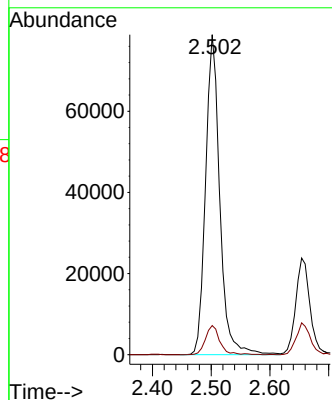
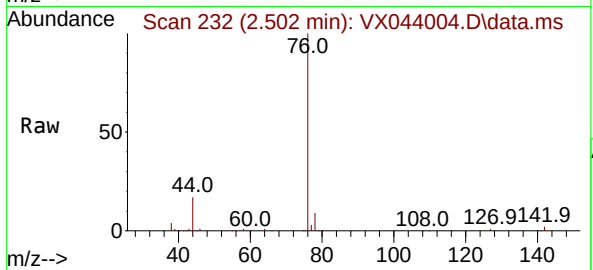




#17  
Carbon Disulfide  
Concen: 41.002 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

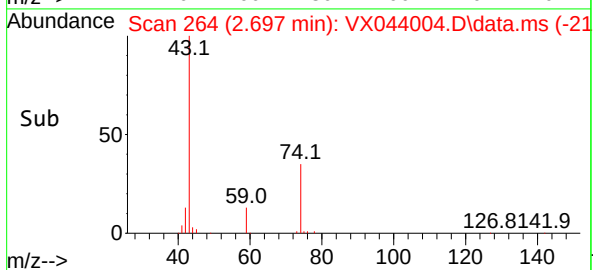
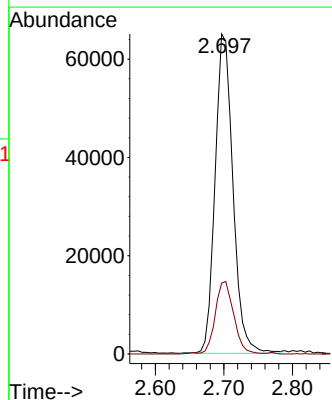
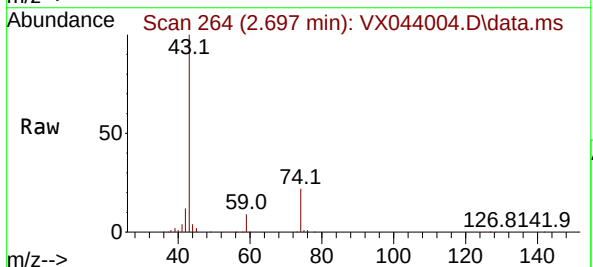
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 76 Resp: 132536  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.0 10.6

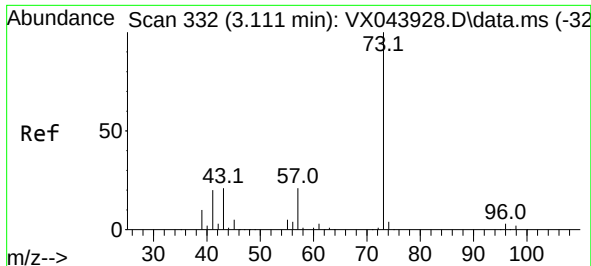


#18  
Methyl Acetate  
Concen: 47.252 ug/l  
RT: 2.697 min Scan# 264  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 117885  
Ion Ratio Lower Upper  
43 100  
74 23.5 18.9 28.3



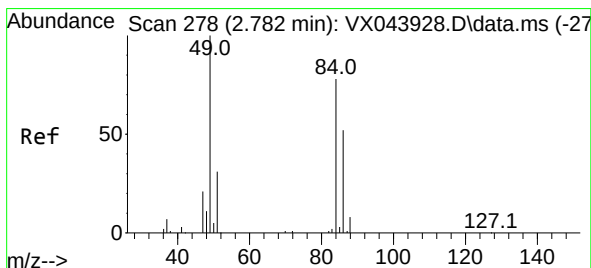
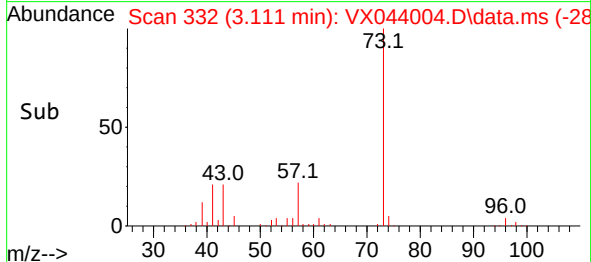
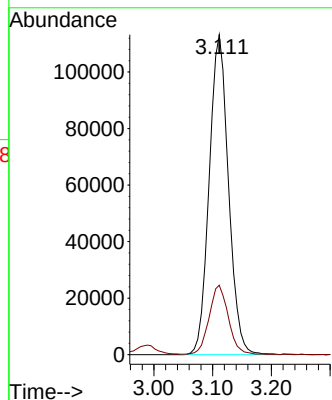
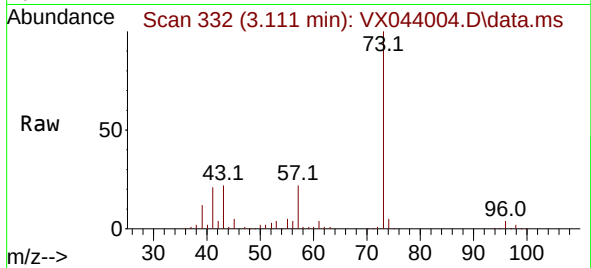




#19  
Methyl tert-butyl Ether  
Concen: 45.330 ug/l  
RT: 3.111 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

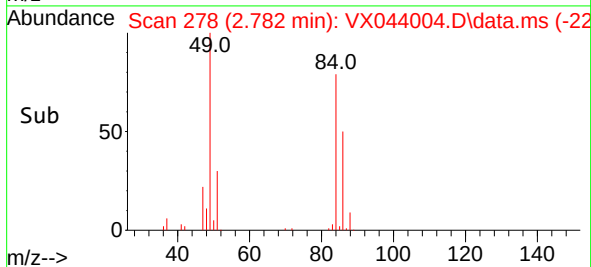
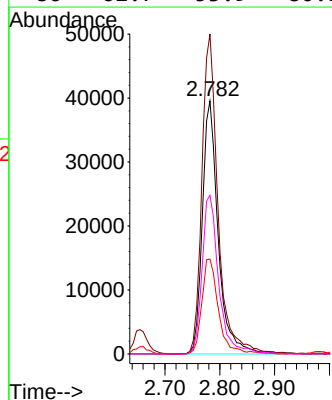
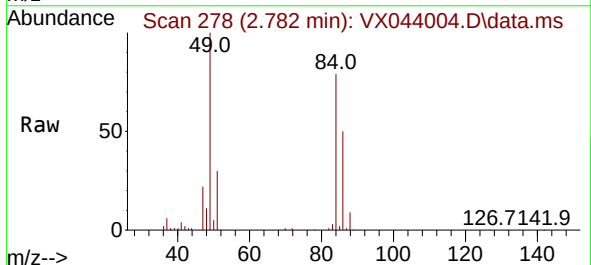
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

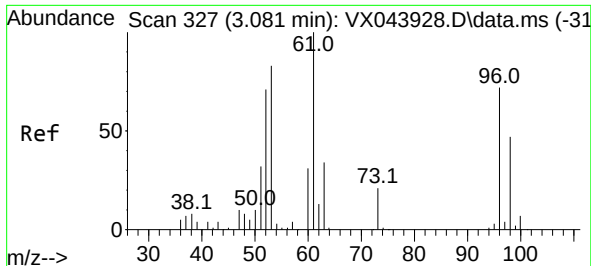
Tgt Ion: 73 Resp: 257926  
Ion Ratio Lower Upper  
73 100  
57 21.7 17.0 25.6



#20  
Methylene Chloride  
Concen: 43.739 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 84 Resp: 79518  
Ion Ratio Lower Upper  
84 100  
49 126.5 102.7 154.1  
51 37.5 31.7 47.5  
86 62.7 53.9 80.9

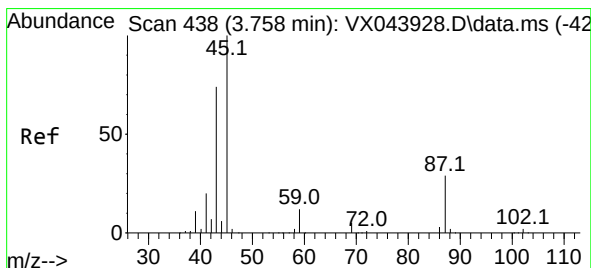
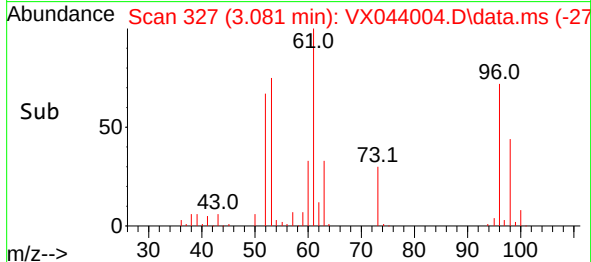
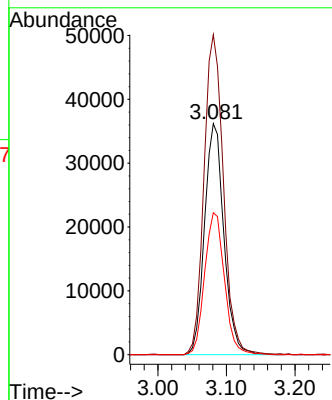
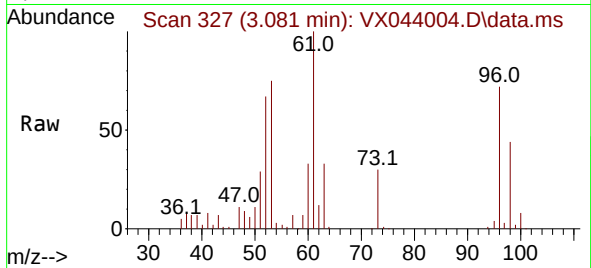




#21  
trans-1,2-Dichloroethene  
Concen: 43.972 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

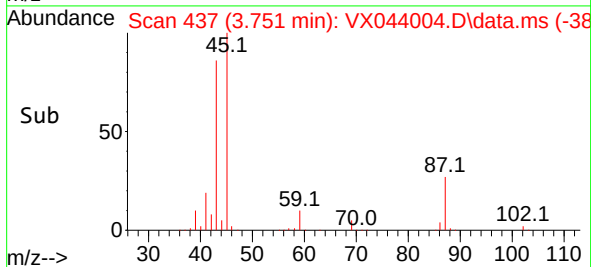
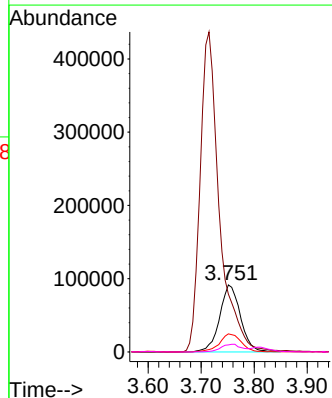
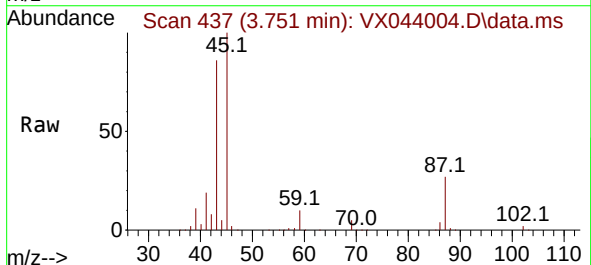
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MSVOA\_X  
ClientSampleId :  
VSTDCCC050

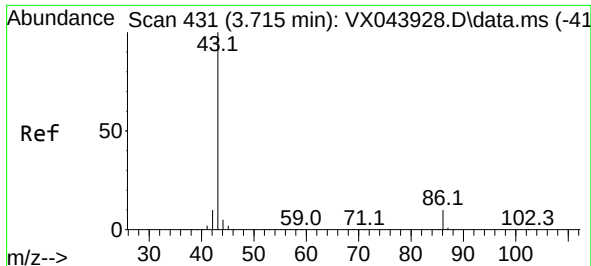
Tgt Ion: 96 Resp: 71142  
Ion Ratio Lower Upper  
96 100  
61 138.5 111.8 167.6  
98 61.4 52.7 79.1



#22  
Diisopropyl ether  
Concen: 45.651 ug/l  
RT: 3.751 min Scan# 437  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 45 Resp: 249952  
Ion Ratio Lower Upper  
45 100  
43 86.0 59.6 89.4  
87 26.8 22.9 34.3  
59 10.3 9.8 14.6

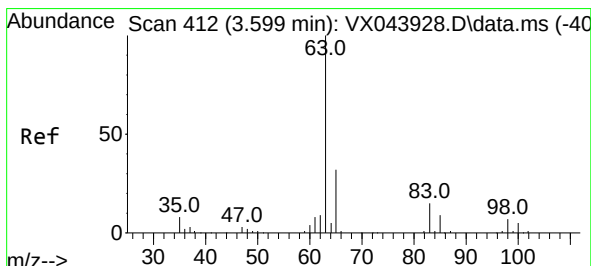
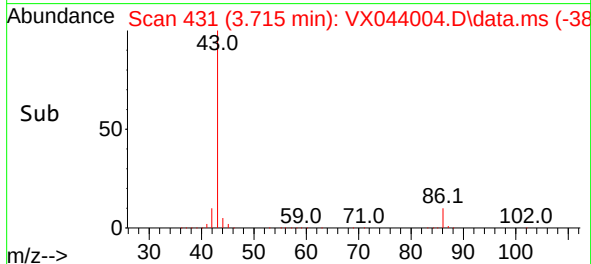
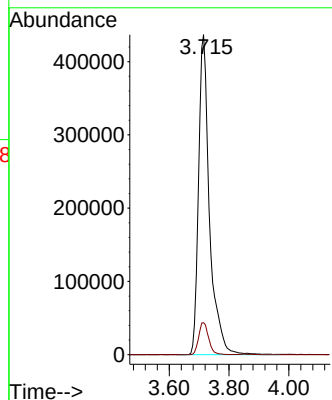
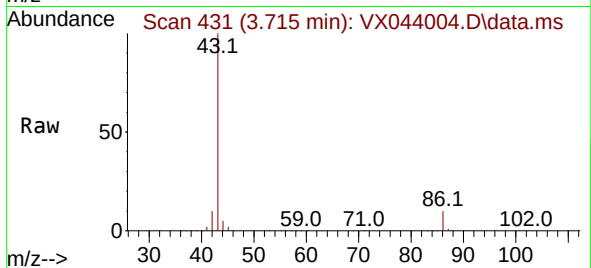




#23  
 Vinyl Acetate  
 Concen: 237.383 ug/l  
 RT: 3.715 min Scan# 411  
 Delta R.T. -0.000 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

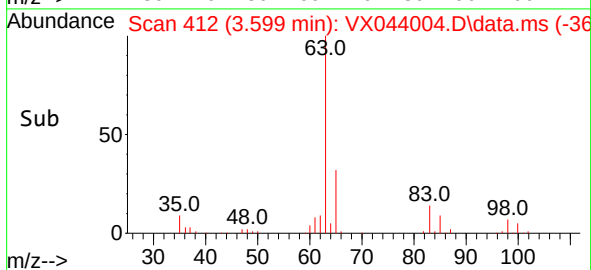
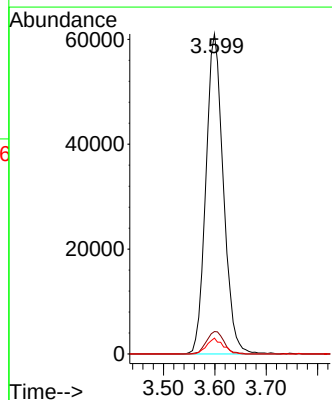
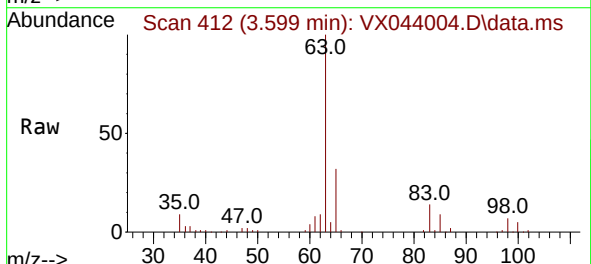
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

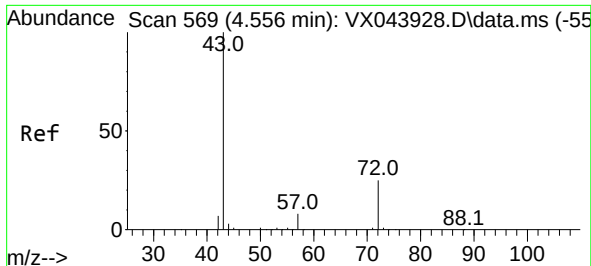
Tgt Ion: 43 Resp: 1111841  
 Ion Ratio Lower Upper  
 43 100  
 86 10.0 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 45.576 ug/l  
 RT: 3.599 min Scan# 412  
 Delta R.T. -0.000 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

Tgt Ion: 63 Resp: 143957  
 Ion Ratio Lower Upper  
 63 100  
 98 7.0 3.5 10.6  
 100 4.9 2.4 7.1

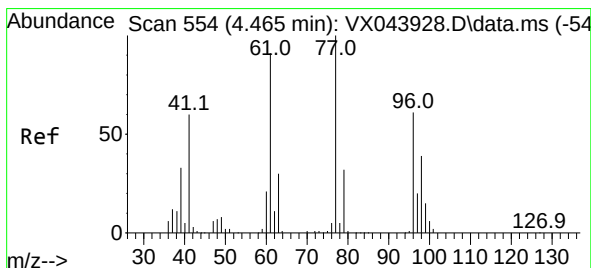
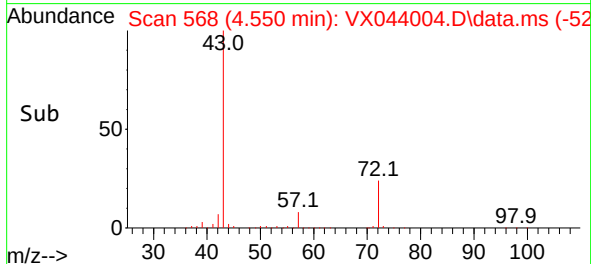
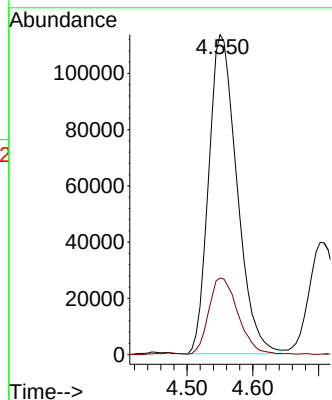
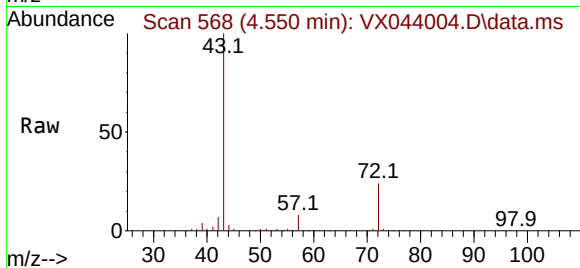




#25  
2-Butanone  
Concen: 245.268 ug/l  
RT: 4.550 min Scan# 504  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

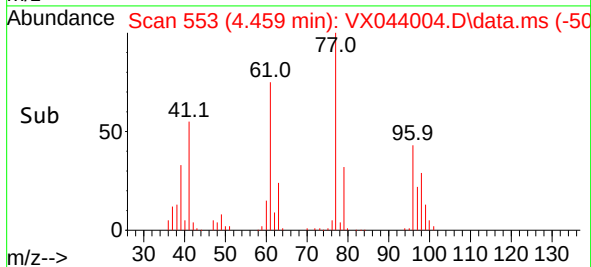
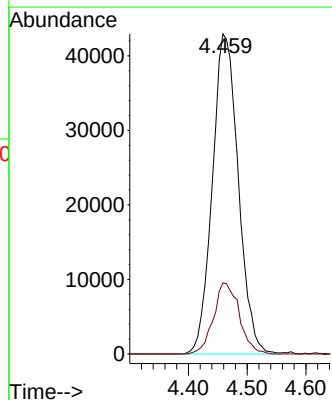
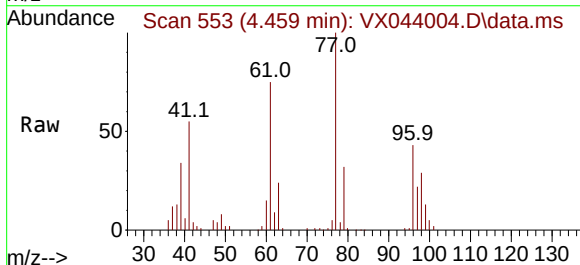
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

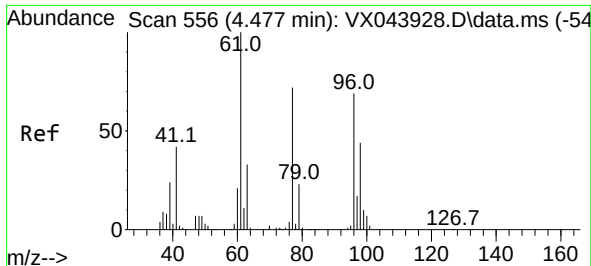
Tgt Ion: 43 Resp: 339041  
Ion Ratio Lower Upper  
43 100  
72 23.7 20.2 30.2



#26  
2,2-Dichloropropane  
Concen: 46.124 ug/l  
RT: 4.459 min Scan# 553  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 77 Resp: 131573  
Ion Ratio Lower Upper  
77 100  
97 22.0 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 45.367 ug/l

RT: 4.471 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

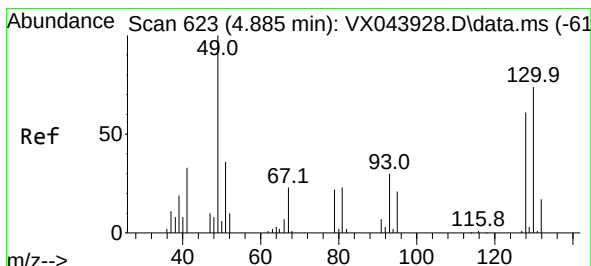
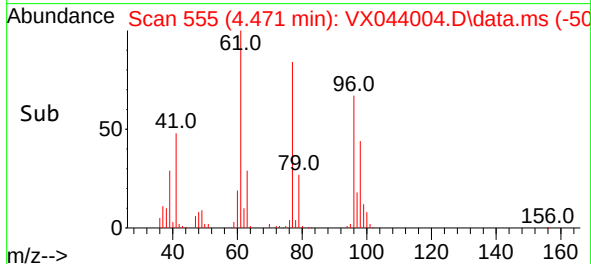
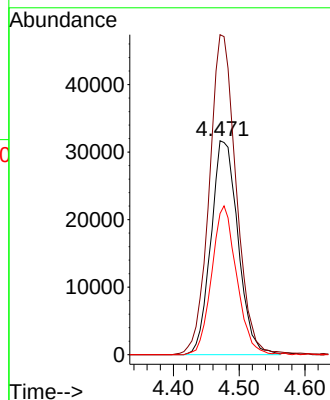
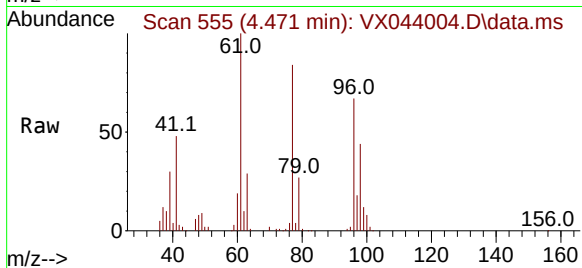
Tgt Ion: 96 Resp: 90728

Ion Ratio Lower Upper

96 100

61 149.0 0.0 297.4

98 64.0 0.0 127.8



#28

Bromochloromethane

Concen: 47.869 ug/l

RT: 4.885 min Scan# 623

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

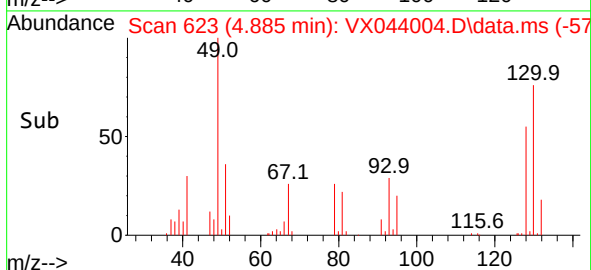
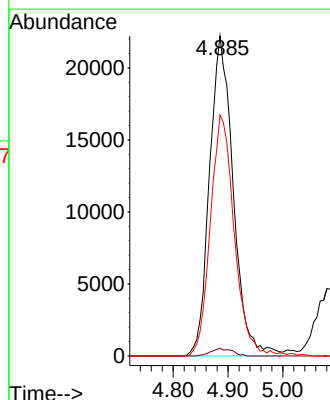
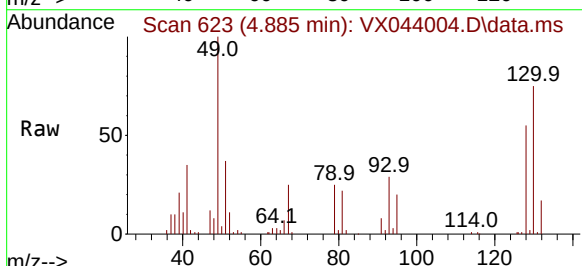
Tgt Ion: 49 Resp: 66554

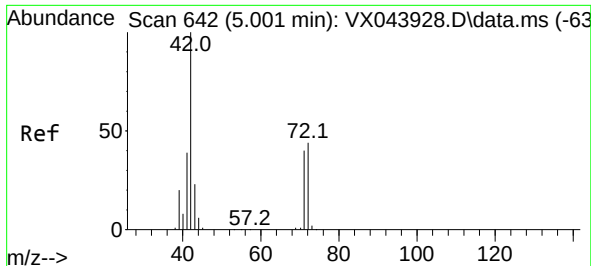
Ion Ratio Lower Upper

49 100

129 2.1 0.0 4.0

130 76.1 59.0 88.6





#29

Tetrahydrofuran

Concen: 234.185 ug/l

RT: 5.001 min Scan# 642

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

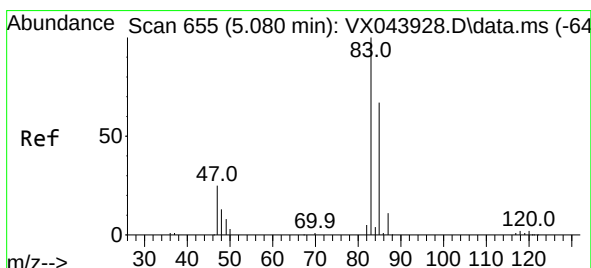
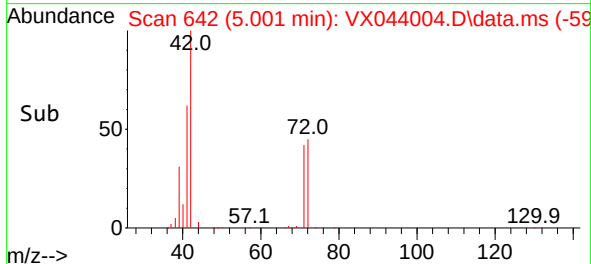
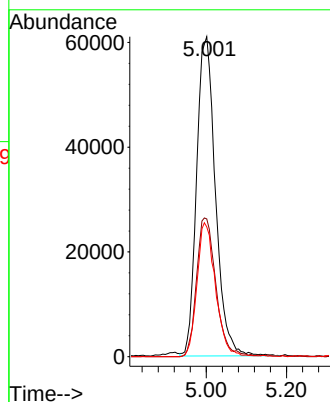
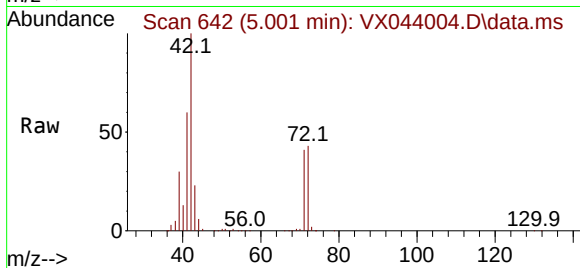
Tgt Ion: 42 Resp: 198461

Ion Ratio Lower Upper

42 100

72 44.7 36.4 54.6

71 41.3 33.4 50.0



#30

Chloroform

Concen: 45.643 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.000 min

Lab File: VX044004.D

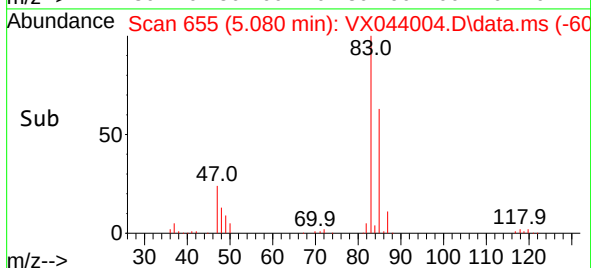
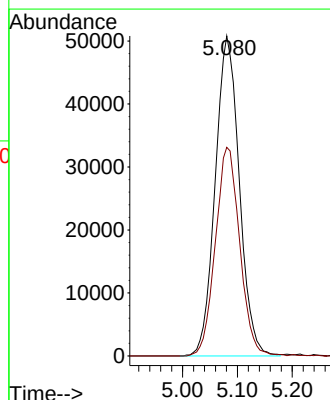
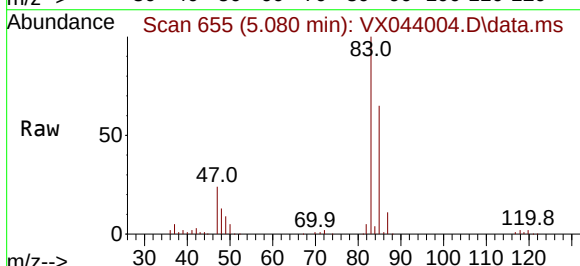
Acq: 26 Nov 2024 09:59

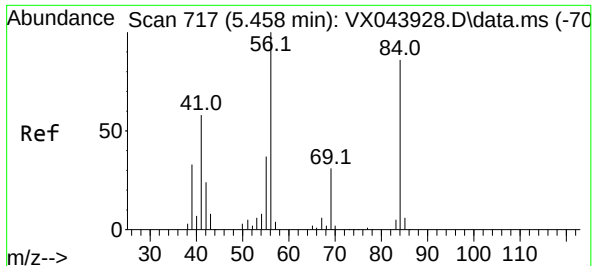
Tgt Ion: 83 Resp: 155058

Ion Ratio Lower Upper

83 100

85 65.2 53.5 80.3

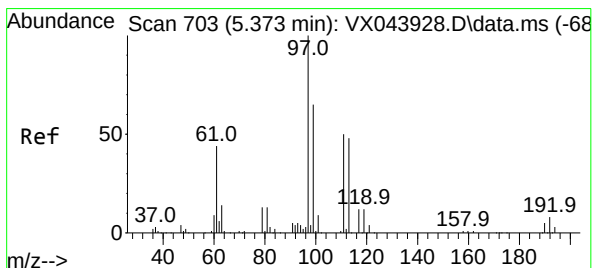
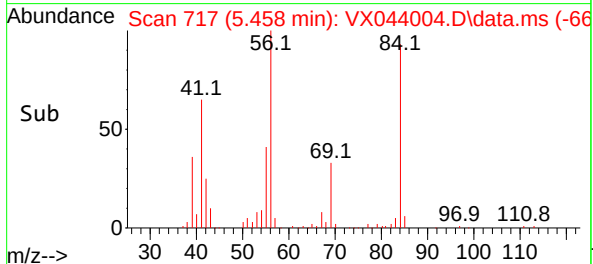
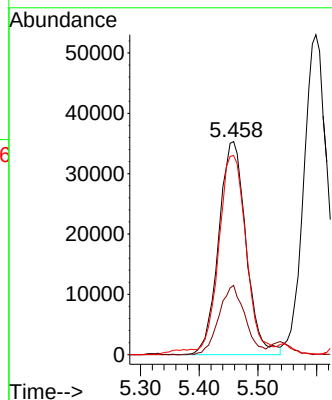
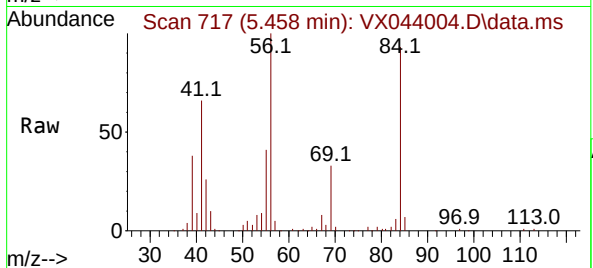




#31  
Cyclohexane  
Concen: 43.902 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

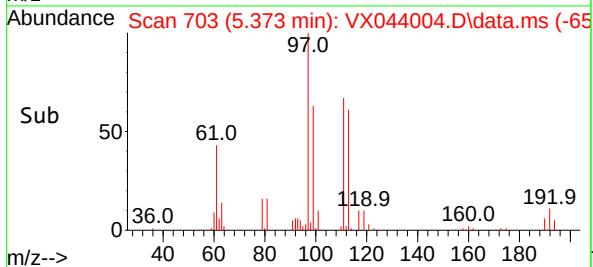
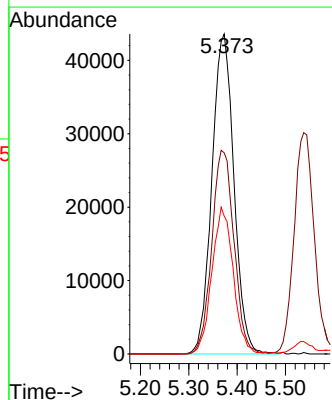
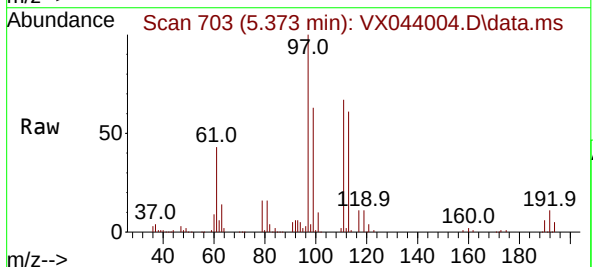
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

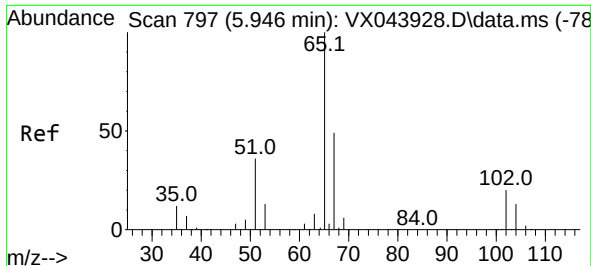
Tgt Ion: 56 Resp: 114132  
Ion Ratio Lower Upper  
56 100  
69 32.5 24.7 37.1  
84 91.0 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 47.118 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 97 Resp: 138038  
Ion Ratio Lower Upper  
97 100  
99 64.1 50.8 76.2  
61 44.5 35.4 53.2

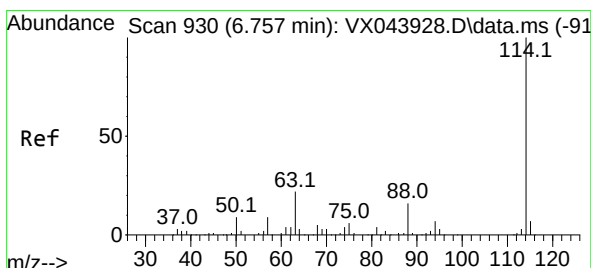
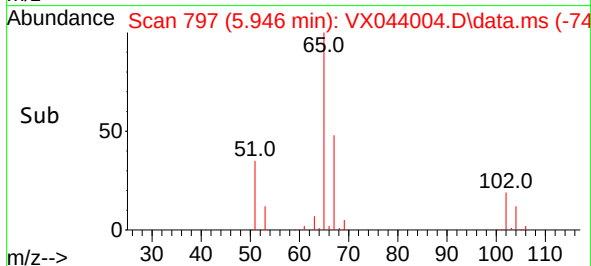
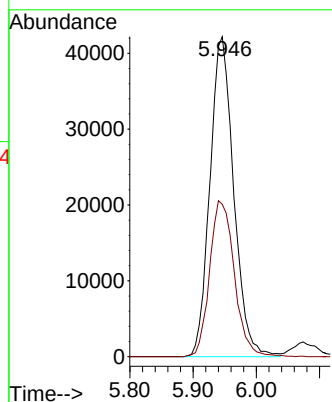
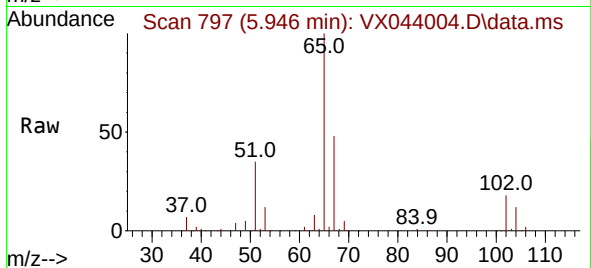




#33  
 1,2-Dichloroethane-d4  
 Concen: 47.228 ug/l  
 RT: 5.946 min Scan# 797  
 Delta R.T. -0.000 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

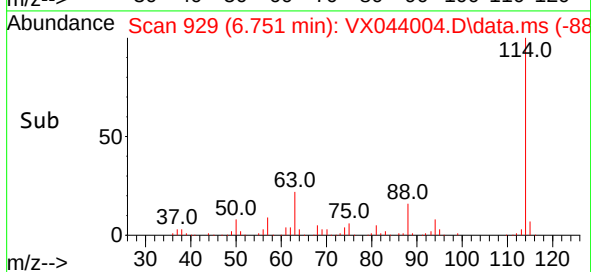
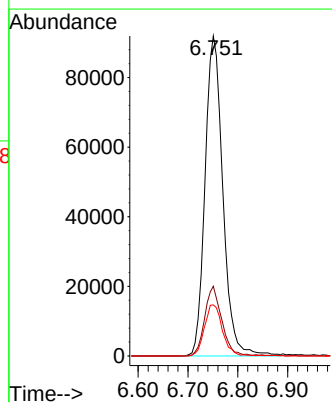
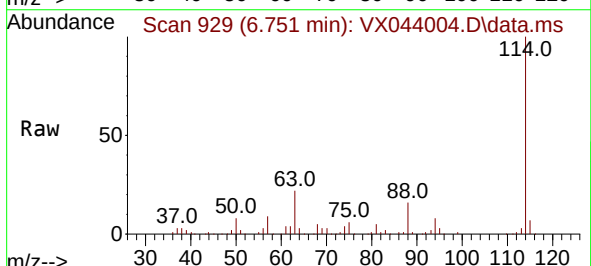
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Tgt Ion: 65 Resp: 110161  
 Ion Ratio Lower Upper  
 65 100  
 67 50.6 0.0 100.8

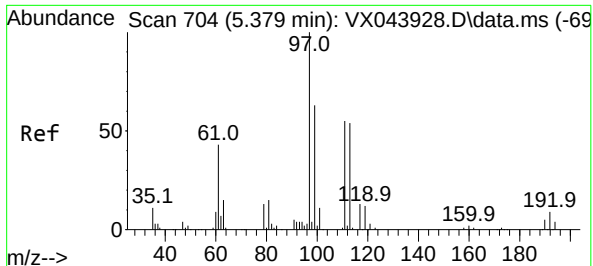


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.751 min Scan# 929  
 Delta R.T. -0.006 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

Tgt Ion: 114 Resp: 228315  
 Ion Ratio Lower Upper  
 114 100  
 63 21.8 0.0 44.0  
 88 16.0 0.0 32.4







#35

Dibromofluoromethane

Concen: 50.747 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

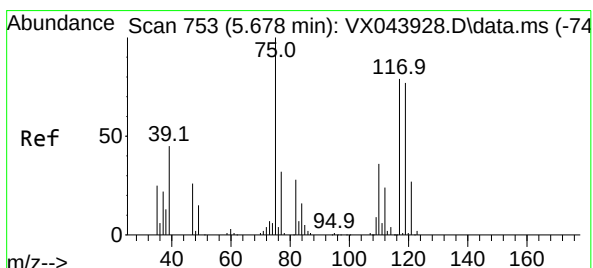
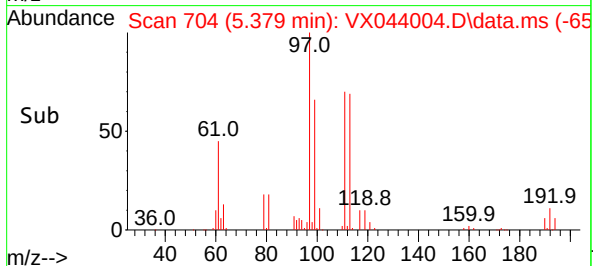
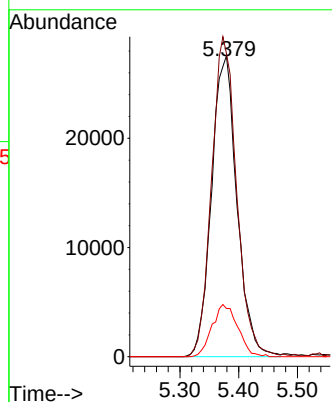
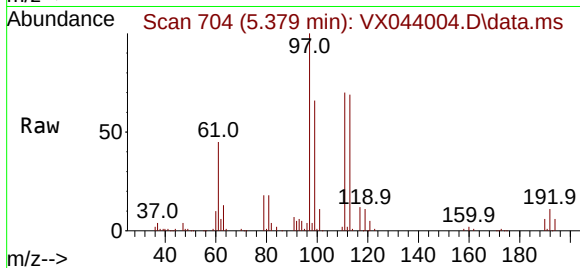
Tgt Ion:113 Resp: 82790

Ion Ratio Lower Upper

113 100

111 104.5 81.0 121.4

192 17.6 13.0 19.6



#36

1,1-Dichloropropene

Concen: 48.822 ug/l

RT: 5.678 min Scan# 753

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

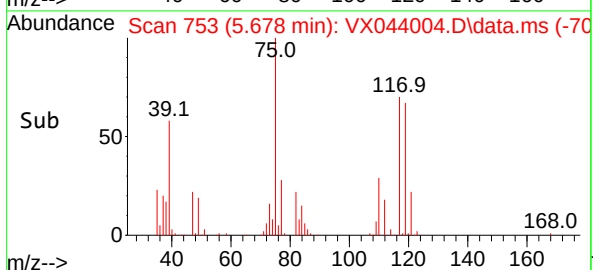
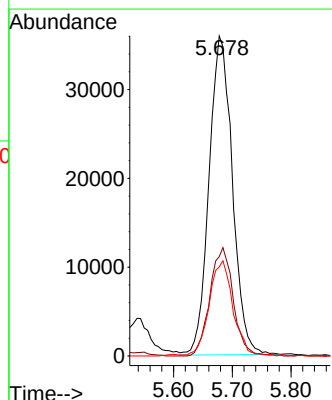
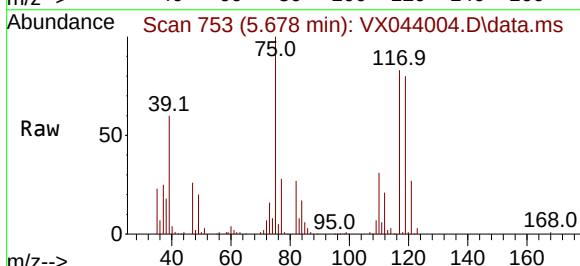
Tgt Ion: 75 Resp: 99253

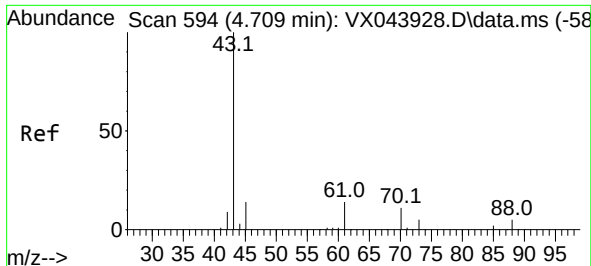
Ion Ratio Lower Upper

75 100

110 34.0 17.4 52.2

77 30.5 25.8 38.8





#37

Ethyl Acetate

Concen: 48.911 ug/l

RT: 4.702 min Scan# 594

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

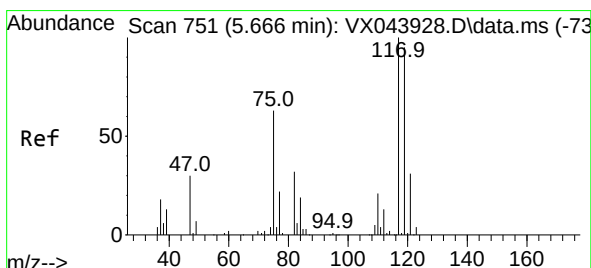
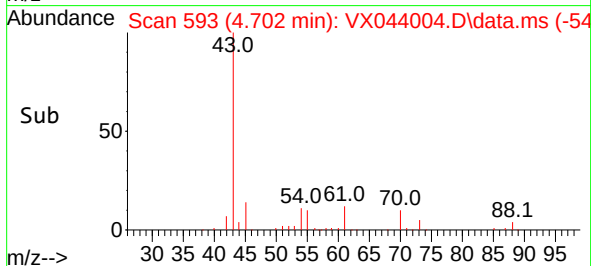
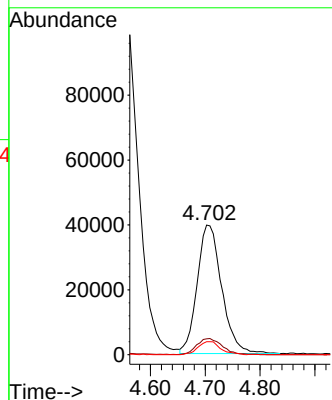
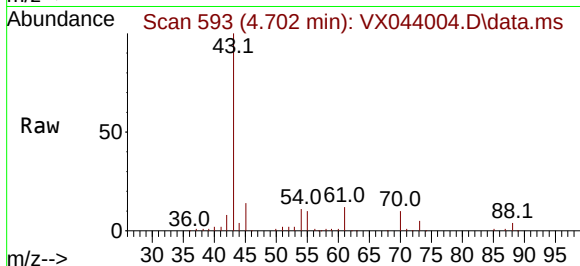
Tgt Ion: 43 Resp: 123429

Ion Ratio Lower Upper

43 100

61 13.1 10.7 16.1

70 9.3 8.0 12.0



#38

Carbon Tetrachloride

Concen: 49.603 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

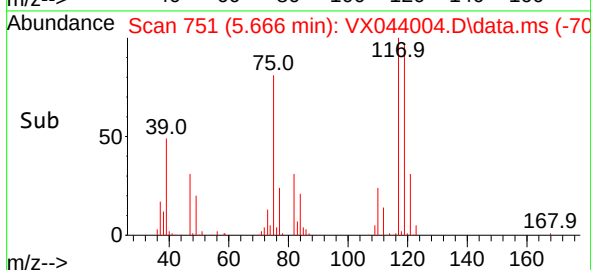
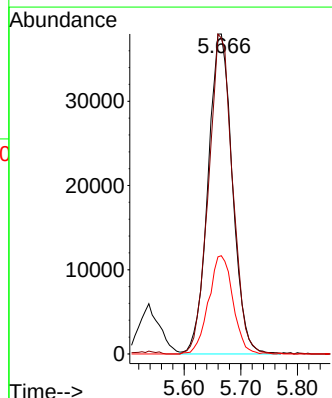
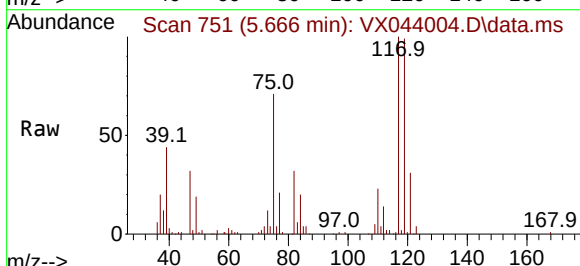
Tgt Ion: 117 Resp: 113308

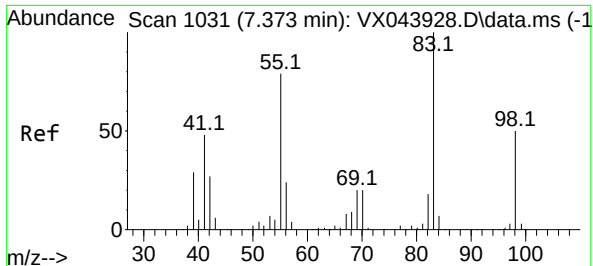
Ion Ratio Lower Upper

117 100

119 98.7 75.2 112.8

121 30.7 24.5 36.7





#39

Methylcyclohexane

Concen: 47.322 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

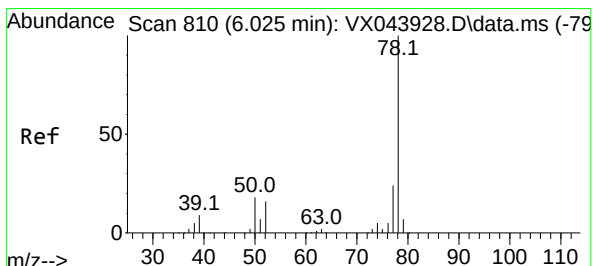
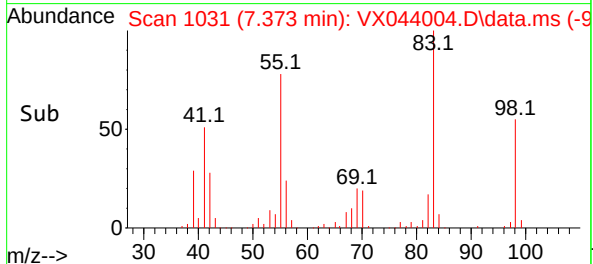
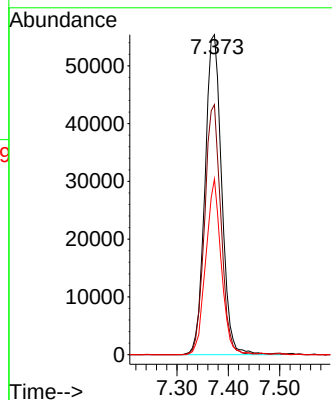
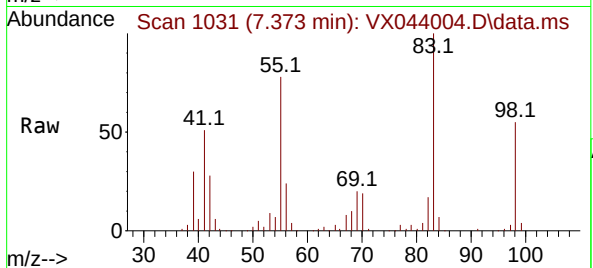
Tgt Ion: 83 Resp: 124981

Ion Ratio Lower Upper

83 100

55 78.1 63.1 94.7

98 54.9 40.0 60.0



#40

Benzene

Concen: 48.176 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX044004.D

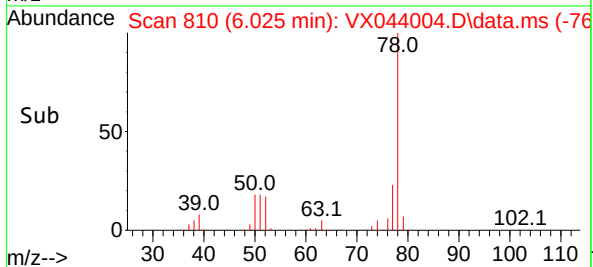
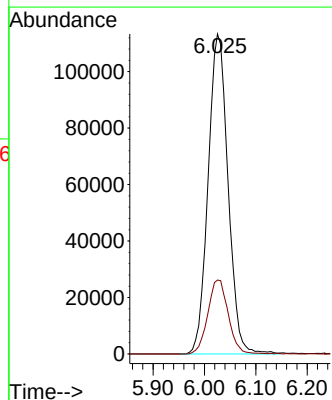
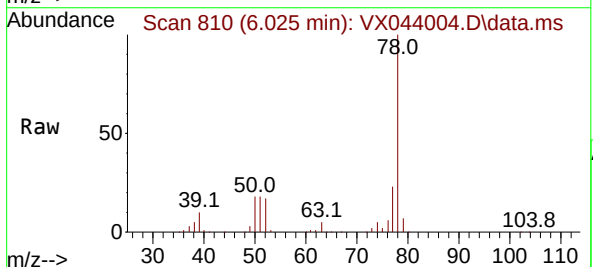
Acq: 26 Nov 2024 09:59

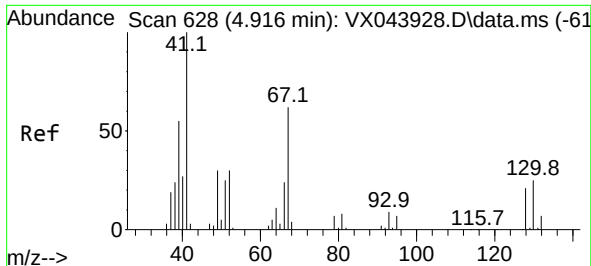
Tgt Ion: 78 Resp: 305074

Ion Ratio Lower Upper

78 100

77 23.1 19.2 28.8



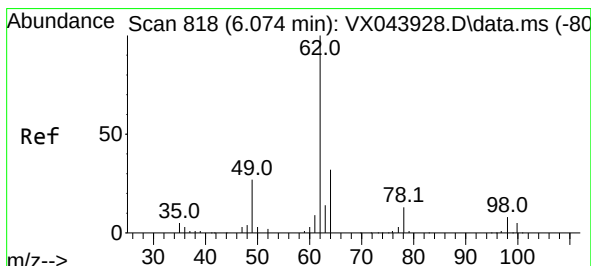
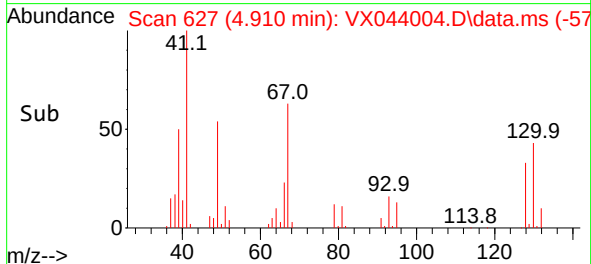
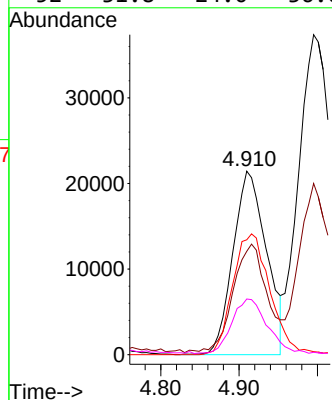
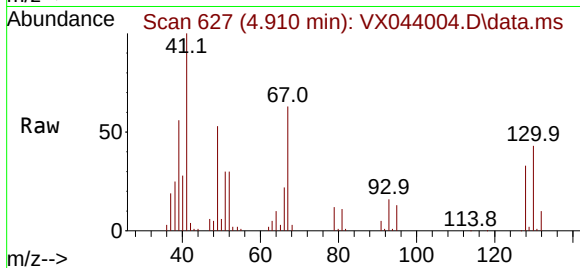


#41  
Methacrylonitrile  
Concen: 49.419 ug/l  
RT: 4.910 min Scan# 61  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 41 Resp: 63829

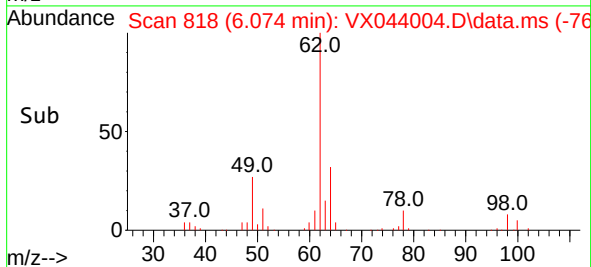
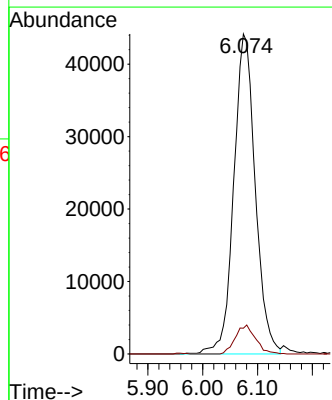
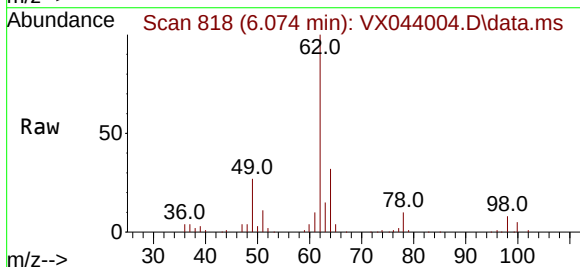
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 41  | 100   |       |       |
| 39  | 59.6  | 41.7  | 62.5  |
| 67  | 73.6  | 55.8  | 83.8  |
| 52  | 31.8  | 24.0  | 36.0  |

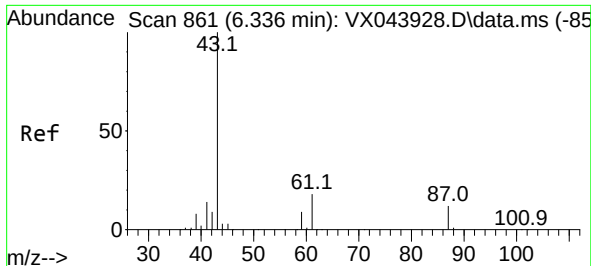


#42  
1,2-Dichloroethane  
Concen: 47.284 ug/l  
RT: 6.074 min Scan# 818  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 62 Resp: 120257

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 62  | 100   |       |       |
| 98  | 8.5   | 0.0   | 16.4  |

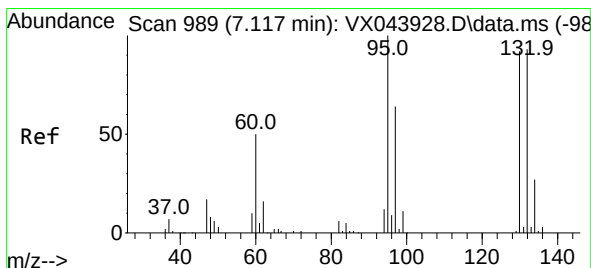
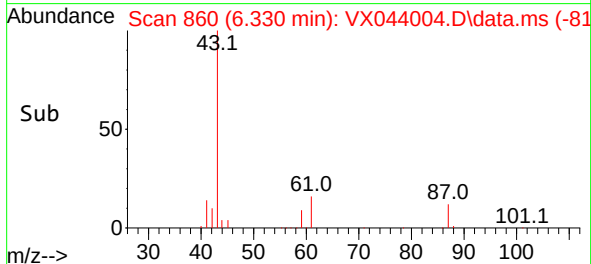
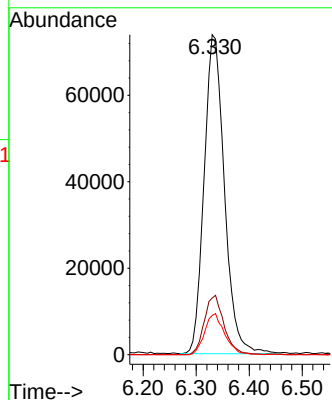
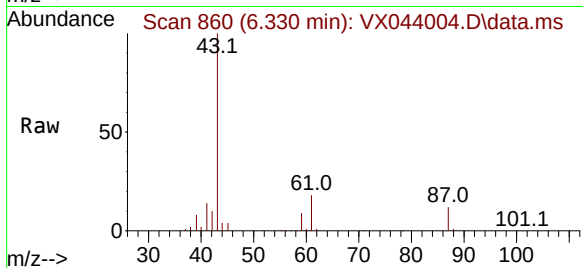




#43  
Isopropyl Acetate  
Concen: 48.957 ug/l  
RT: 6.330 min Scan# 861  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

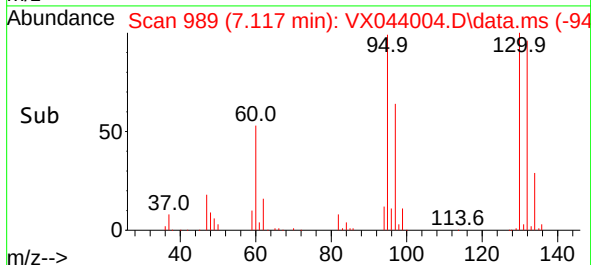
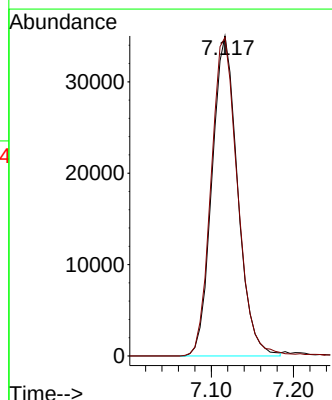
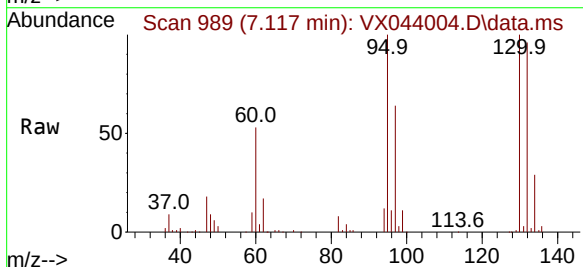
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

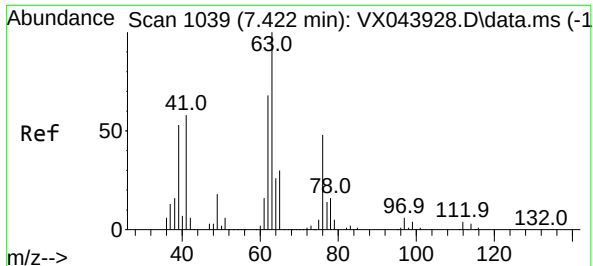
Tgt Ion: 43 Resp: 196617  
Ion Ratio Lower Upper  
43 100  
61 18.0 14.5 21.7  
87 12.6 10.2 15.2



#44  
Trichloroethene  
Concen: 42.307 ug/l  
RT: 7.117 min Scan# 989  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 130 Resp: 75842  
Ion Ratio Lower Upper  
130 100  
95 99.5 0.0 217.8





#45

1,2-Dichloropropane

Concen: 48.861 ug/l

RT: 7.421 min Scan# 1039

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

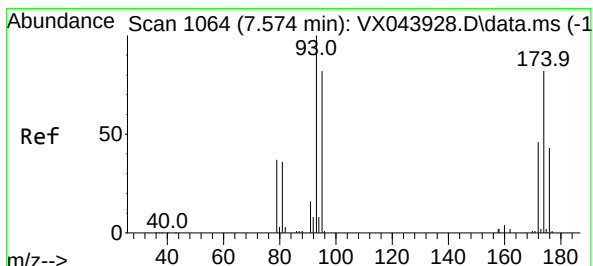
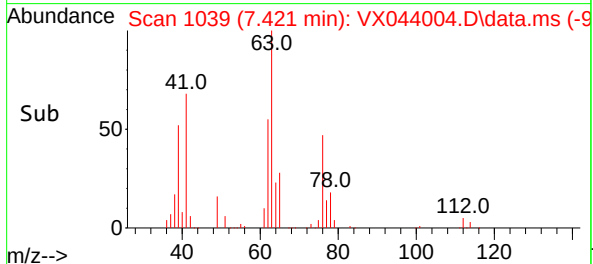
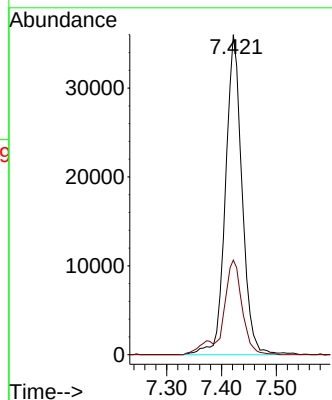
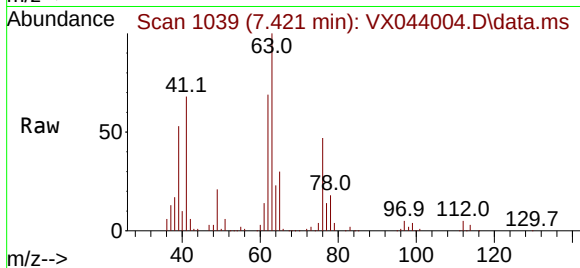
VSTDCCC050

Tgt Ion: 63 Resp: 75782

Ion Ratio Lower Upper

63 100

65 29.6 23.8 35.6



#46

Dibromomethane

Concen: 49.837 ug/l

RT: 7.574 min Scan# 1064

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

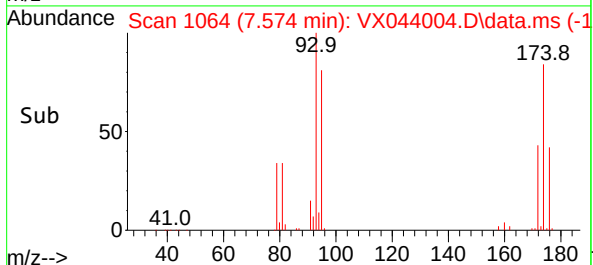
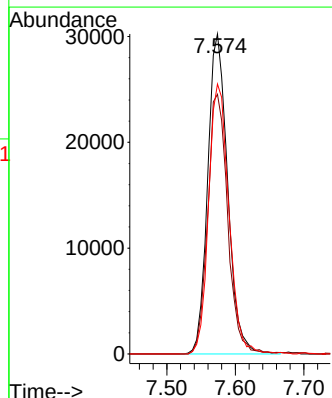
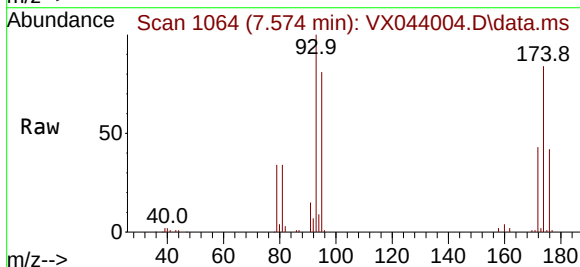
Tgt Ion: 93 Resp: 61145

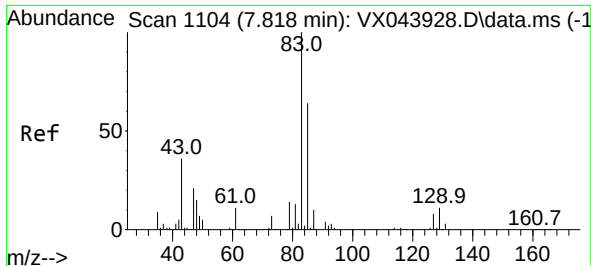
Ion Ratio Lower Upper

93 100

95 81.6 66.2 99.4

174 85.8 69.6 104.4

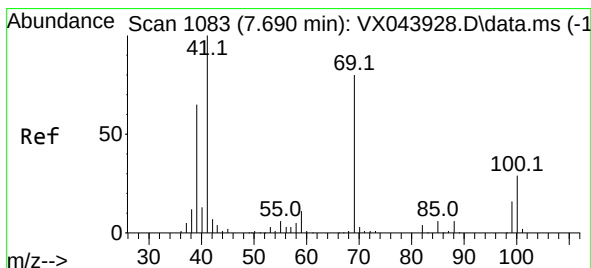
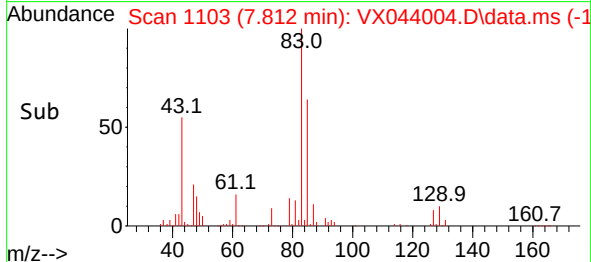
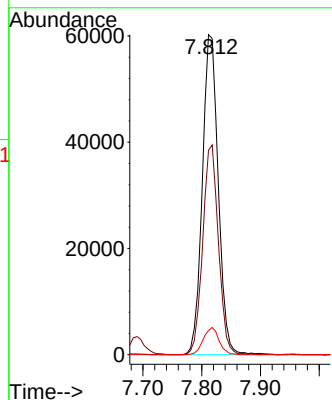
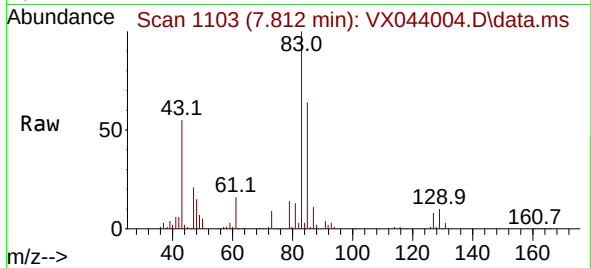




#47  
Bromodichloromethane  
Concen: 51.670 ug/l  
RT: 7.812 min Scan# 1103  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

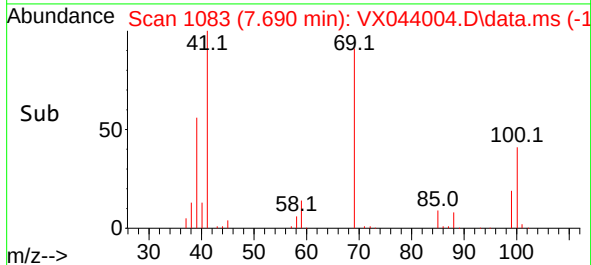
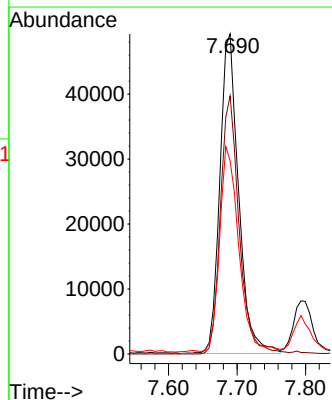
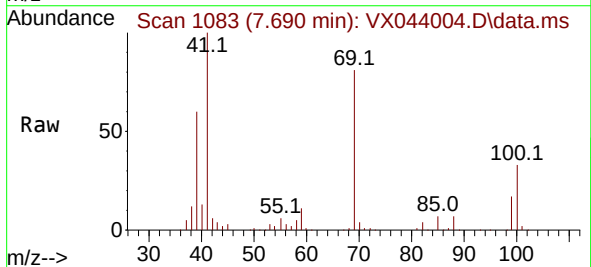
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

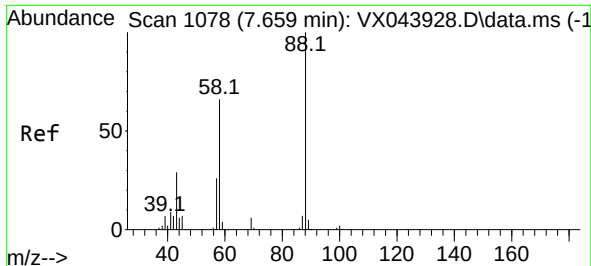
Tgt Ion: 83 Resp: 113694  
Ion Ratio Lower Upper  
83 100  
85 63.9 51.4 77.0  
127 7.6 6.6 10.0



#48  
Methyl methacrylate  
Concen: 48.339 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 41 Resp: 93154  
Ion Ratio Lower Upper  
41 100  
69 80.3 64.6 97.0  
39 65.2 53.3 79.9





#49

1,4-Dioxane

Concen: 927.311 ug/l

RT: 7.659 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

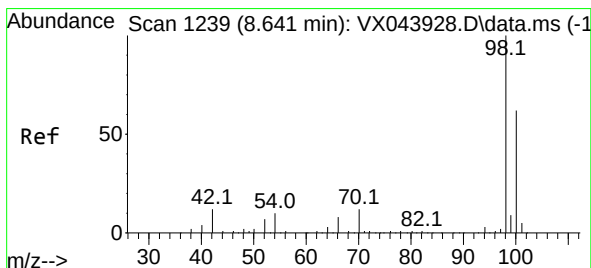
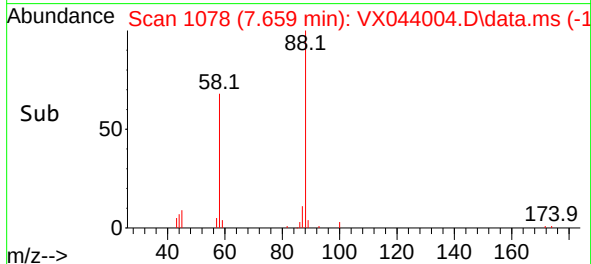
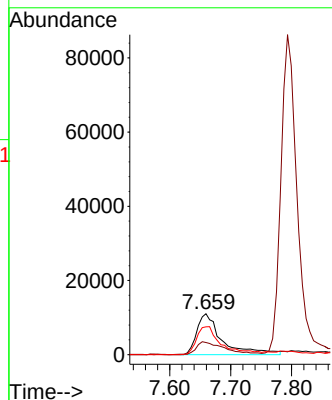
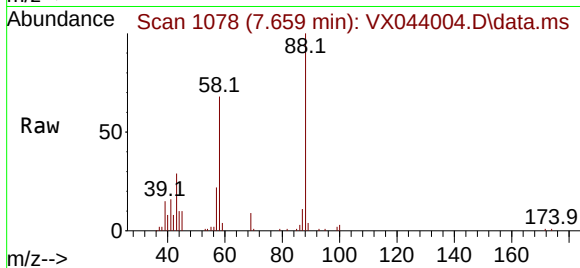
Tgt Ion: 88 Resp: 31832

Ion Ratio Lower Upper

88 100

43 35.9 26.8 40.2

58 67.0 45.4 68.2



#50

Toluene-d8

Concen: 49.578 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. -0.000 min

Lab File: VX044004.D

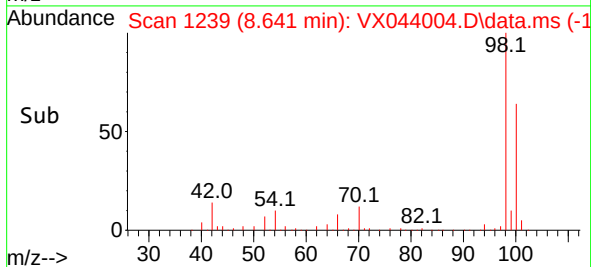
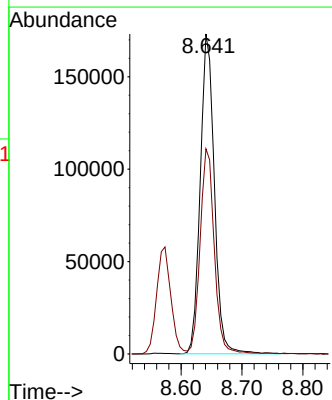
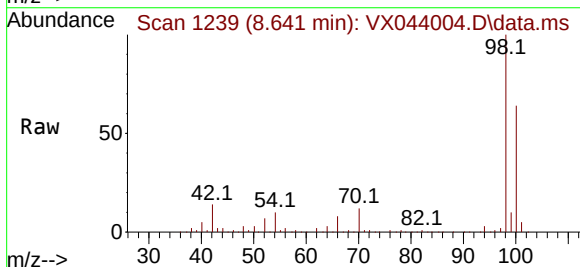
Acq: 26 Nov 2024 09:59

Tgt Ion: 98 Resp: 278812

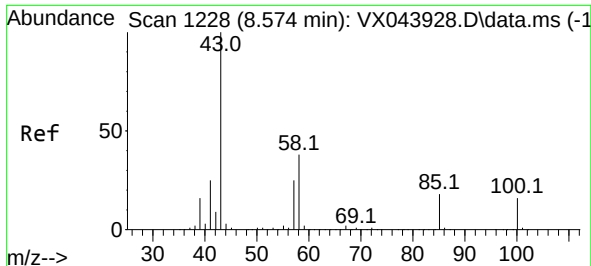
Ion Ratio Lower Upper

98 100

100 64.3 52.6 79.0



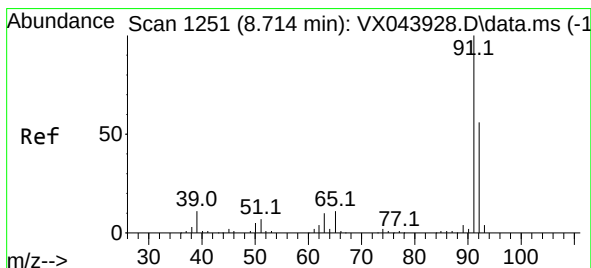
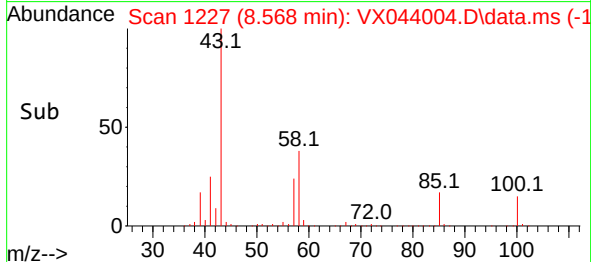
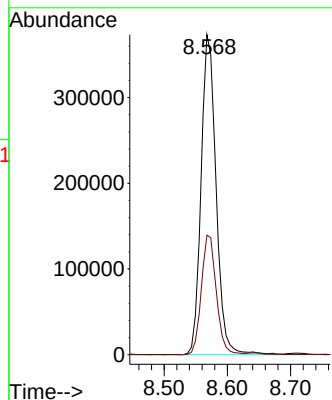
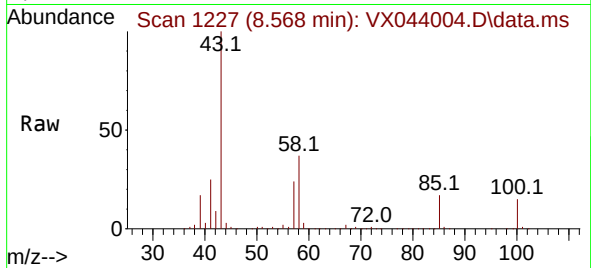




#51  
4-Methyl-2-Pentanone  
Concen: 251.920 ug/l  
RT: 8.568 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

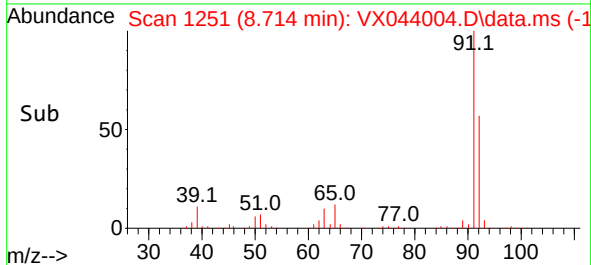
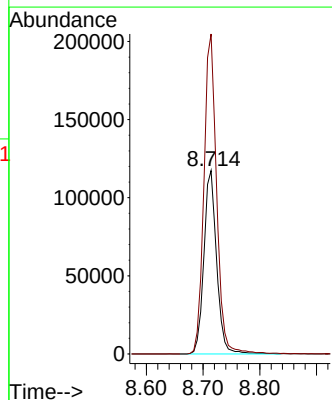
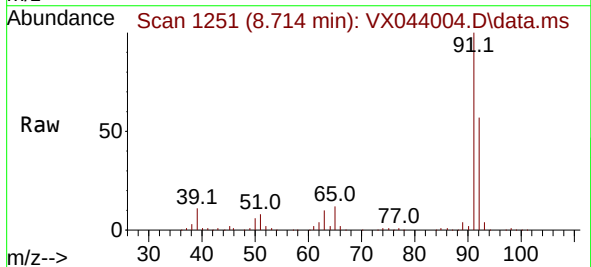
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

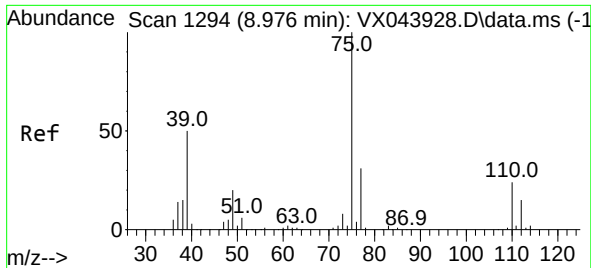
Tgt Ion: 43 Resp: 617411  
Ion Ratio Lower Upper  
43 100  
58 37.3 30.0 45.0



#52  
Toluene  
Concen: 48.472 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 92 Resp: 183717  
Ion Ratio Lower Upper  
92 100  
91 174.7 139.7 209.5

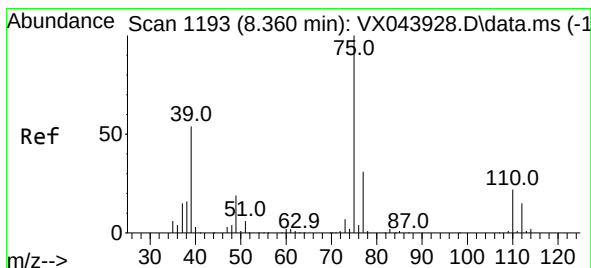
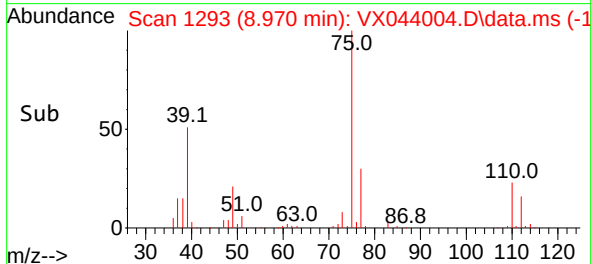
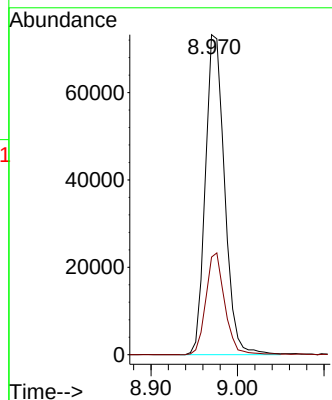
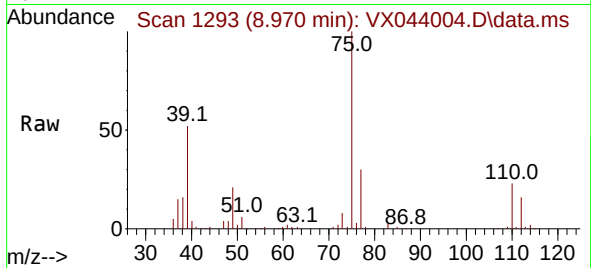




#53  
 t-1,3-Dichloropropene  
 Concen: 50.408 ug/l  
 RT: 8.970 min Scan# 1129  
 Delta R.T. -0.006 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

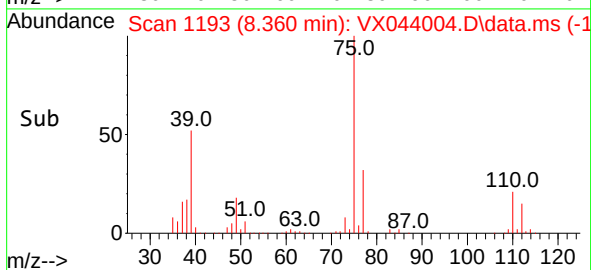
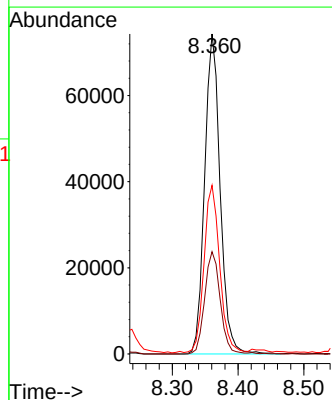
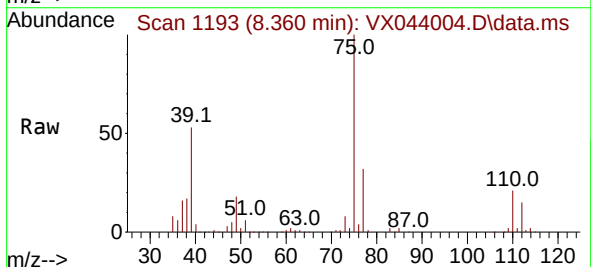
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

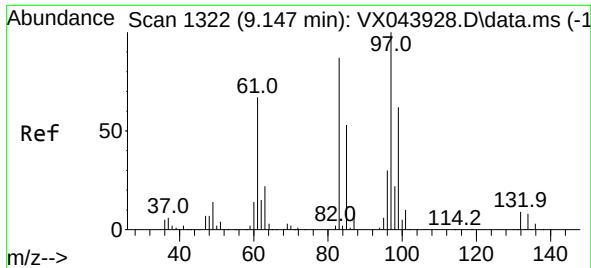
Tgt Ion: 75 Resp: 113108  
 Ion Ratio Lower Upper  
 75 100  
 77 30.5 25.1 37.7



#54  
 cis-1,3-Dichloropropene  
 Concen: 49.594 ug/l  
 RT: 8.360 min Scan# 1193  
 Delta R.T. -0.000 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

Tgt Ion: 75 Resp: 121994  
 Ion Ratio Lower Upper  
 75 100  
 77 31.9 25.2 37.8  
 39 51.9 43.1 64.7

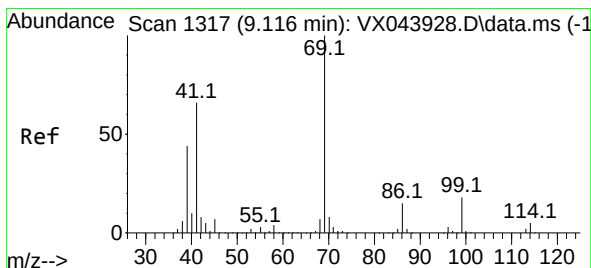
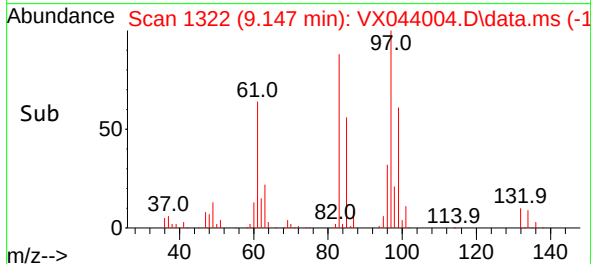
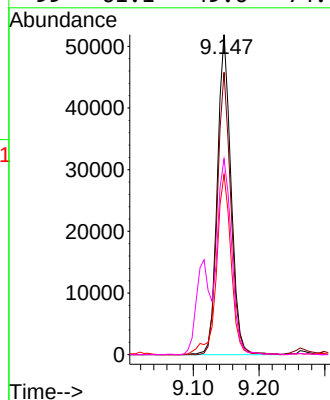
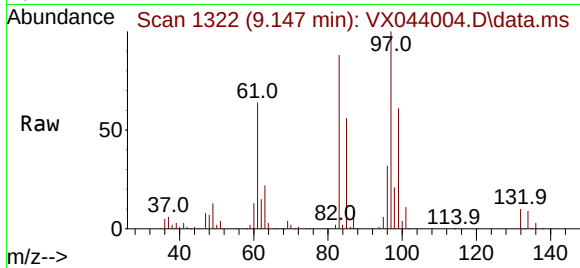




#55  
1,1,2-Trichloroethane  
Concen: 47.934 ug/l  
RT: 9.147 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

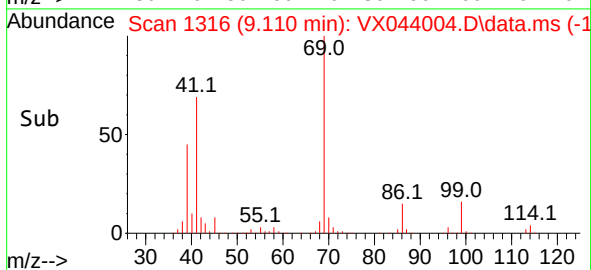
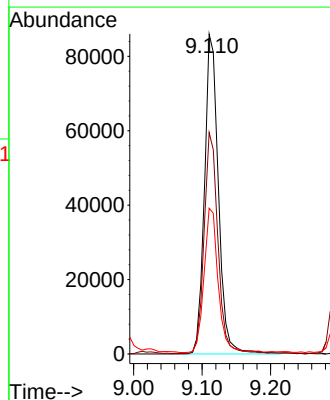
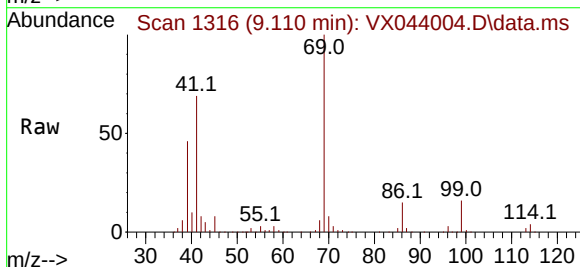
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

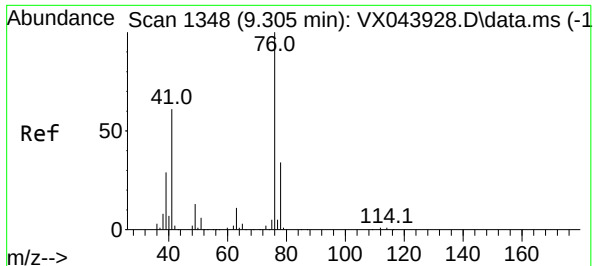
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 97    | Resp: | 74997 |
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 83       | 88.3  | 69.4  | 104.0 |
| 85       | 56.4  | 42.3  | 63.5  |
| 99       | 61.1  | 49.6  | 74.4  |



#56  
Ethyl methacrylate  
Concen: 50.030 ug/l  
RT: 9.110 min Scan# 1316  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 69    | Resp: | 121922 |
| Ion      | Ratio | Lower | Upper  |
| 69       | 100   |       |        |
| 41       | 68.4  | 55.8  | 83.8   |
| 39       | 45.3  | 36.7  | 55.1   |

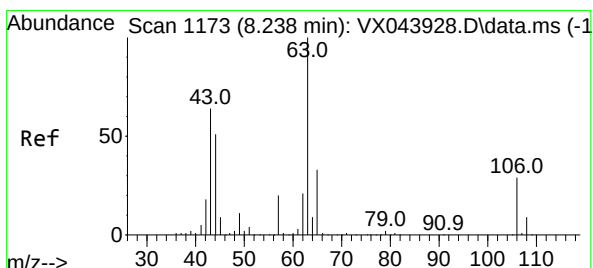
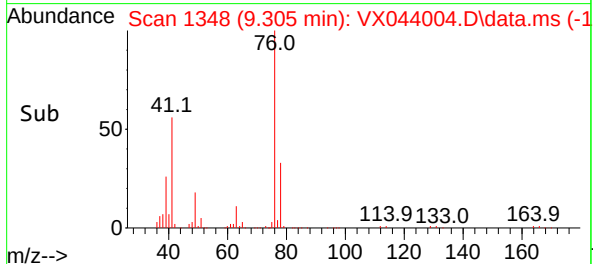
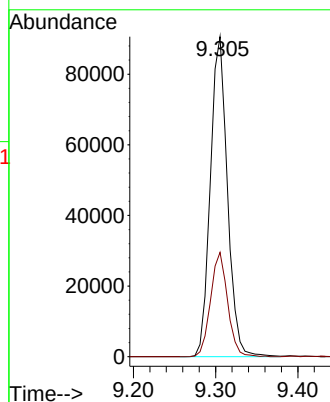
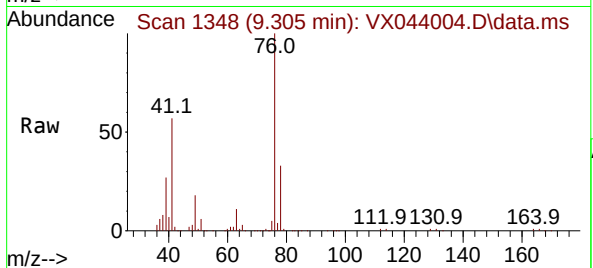




#57  
1,3-Dichloropropane  
Concen: 49.593 ug/l  
RT: 9.305 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

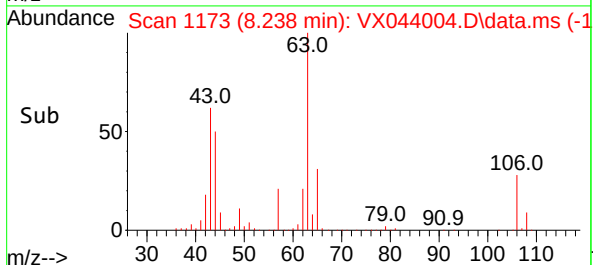
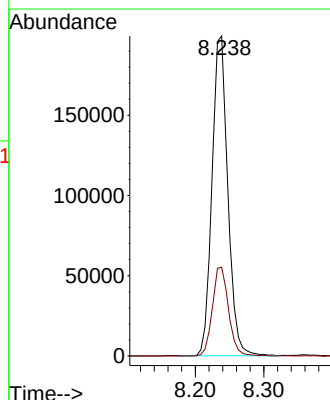
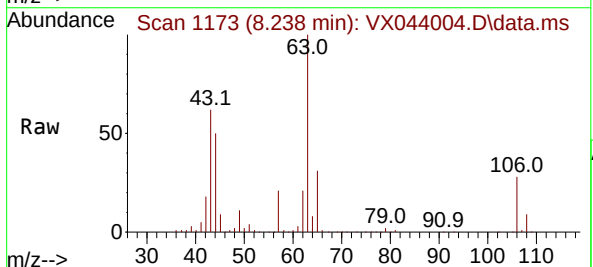
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

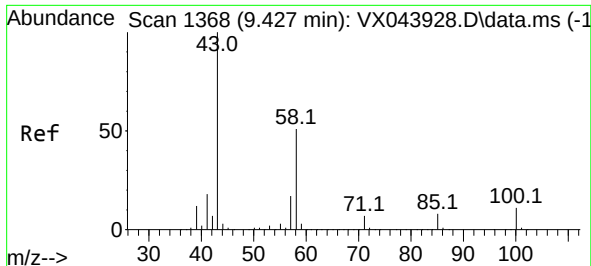
Tgt Ion: 76 Resp: 130708  
Ion Ratio Lower Upper  
76 100  
78 32.6 26.0 39.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 239.296 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 63 Resp: 319778  
Ion Ratio Lower Upper  
63 100  
106 28.3 23.0 34.6





#59

2-Hexanone

Concen: 258.897 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

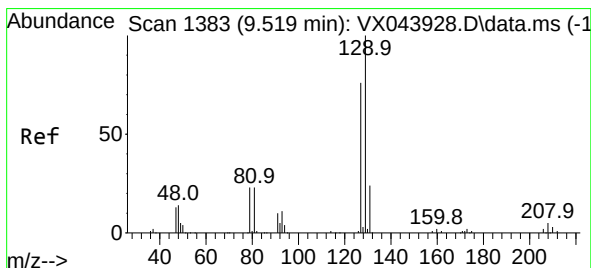
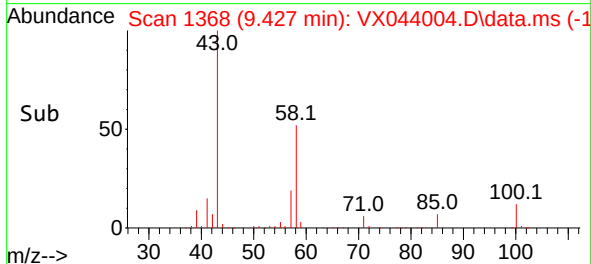
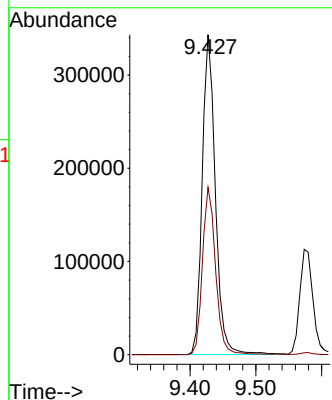
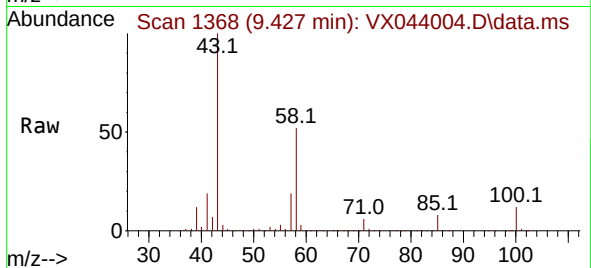
VSTDCCC050

Tgt Ion: 43 Resp: 476916

Ion Ratio Lower Upper

43 100

58 52.6 25.9 77.6



#60

Dibromochloromethane

Concen: 52.290 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044004.D

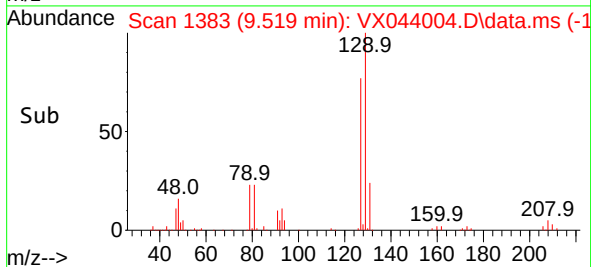
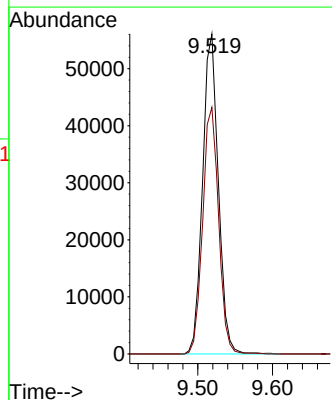
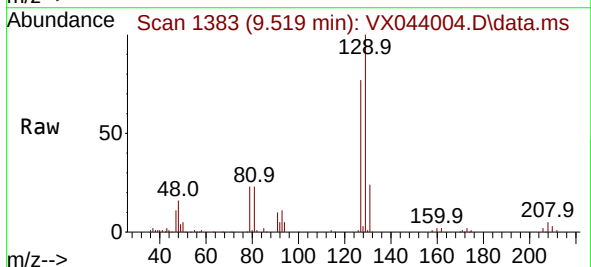
Acq: 26 Nov 2024 09:59

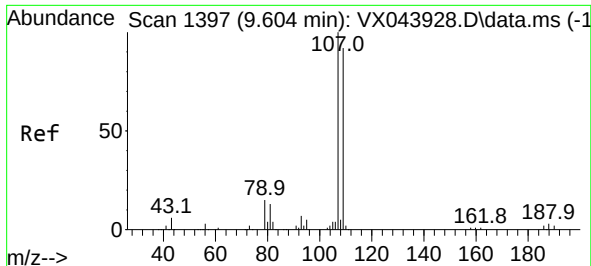
Tgt Ion: 129 Resp: 82084

Ion Ratio Lower Upper

129 100

127 77.9 38.2 114.6

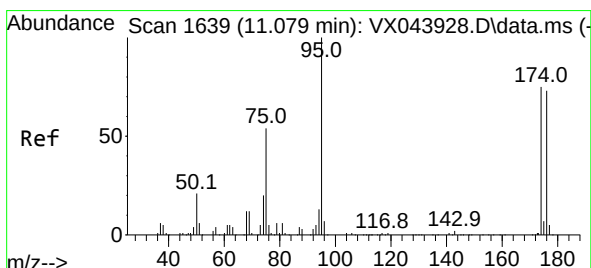
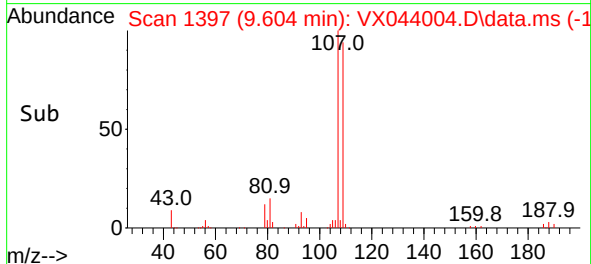
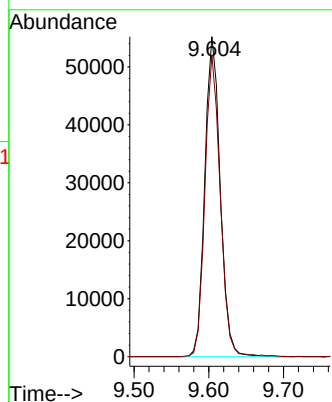
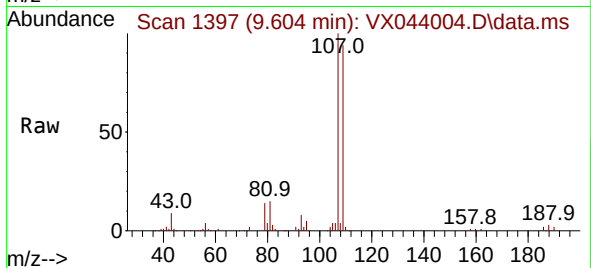




#61  
1,2-Dibromoethane  
Concen: 49.979 ug/l  
RT: 9.604 min Scan# 1133  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

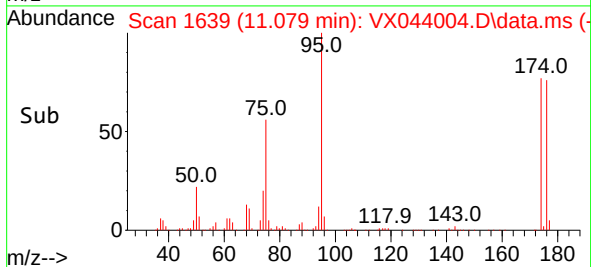
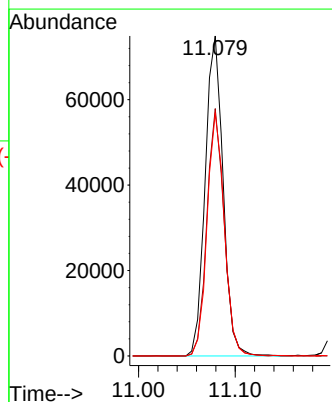
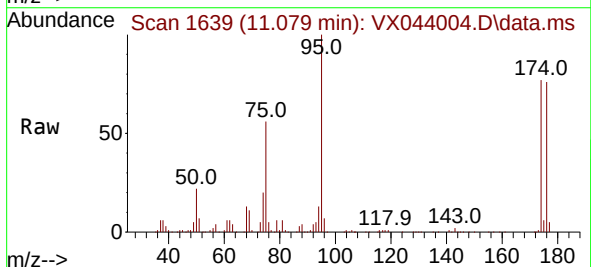
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

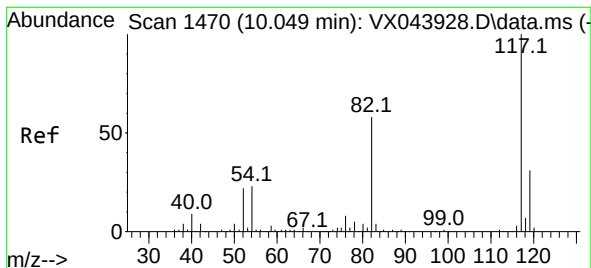
Tgt Ion:107 Resp: 79068  
Ion Ratio Lower Upper  
107 100  
109 93.3 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 50.484 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 95 Resp: 96622  
Ion Ratio Lower Upper  
95 100  
174 74.5 0.0 150.4  
176 73.0 0.0 146.0

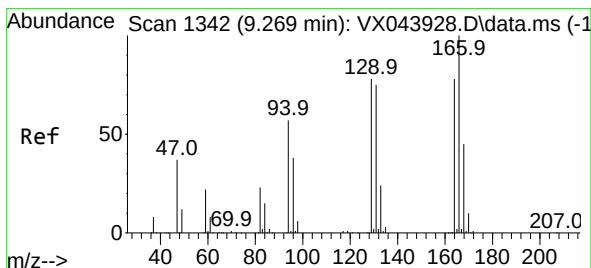
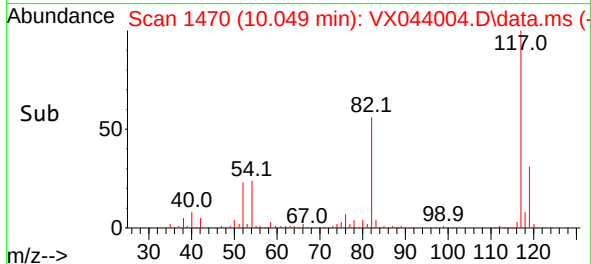
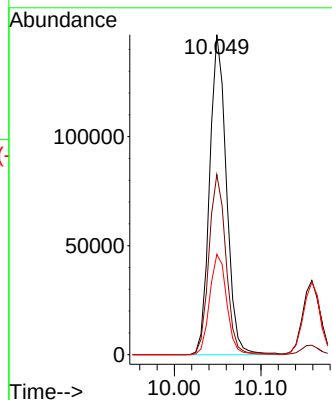
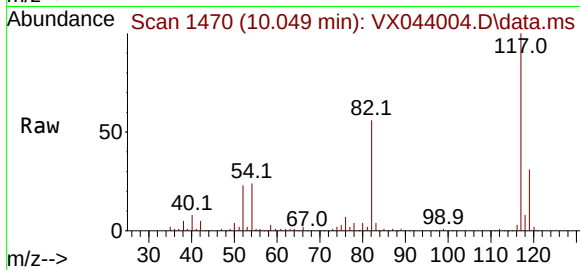




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

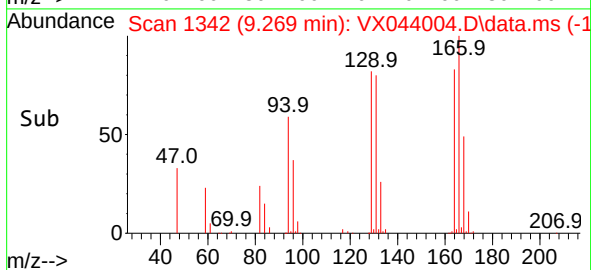
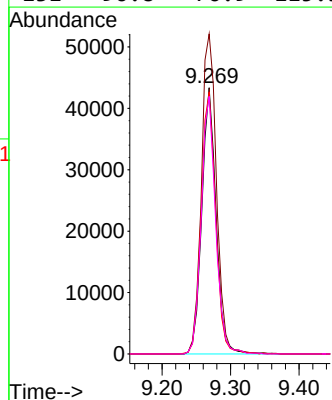
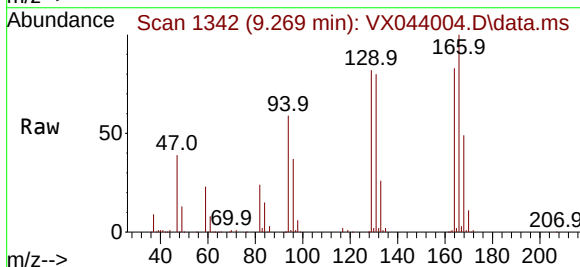
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

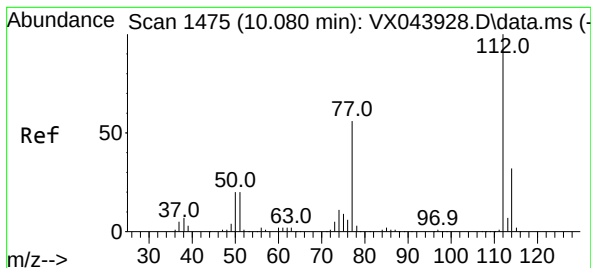
Tgt Ion:117 Resp: 197529  
Ion Ratio Lower Upper  
117 100  
82 56.3 46.4 69.6  
119 31.4 24.6 37.0



#64  
Tetrachloroethene  
Concen: 48.121 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion:164 Resp: 62677  
Ion Ratio Lower Upper  
164 100  
166 120.2 102.1 153.1  
129 98.4 79.6 119.4  
131 96.8 76.9 115.3





#65

Chlorobenzene

Concen: 46.996 ug/l

RT: 10.073 min Scan# 1475

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

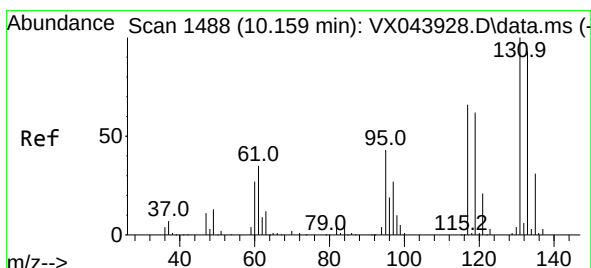
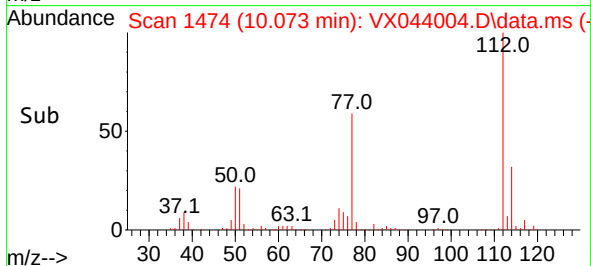
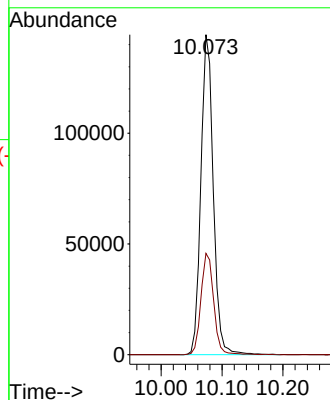
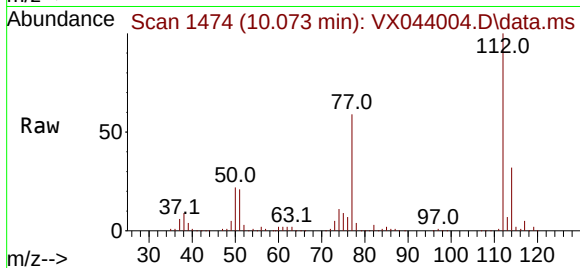
VSTDCCC050

Tgt Ion:112 Resp: 203884

Ion Ratio Lower Upper

112 100

114 31.6 25.4 38.0



#66

1,1,1,2-Tetrachloroethane

Concen: 50.392 ug/l

RT: 10.159 min Scan# 1488

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

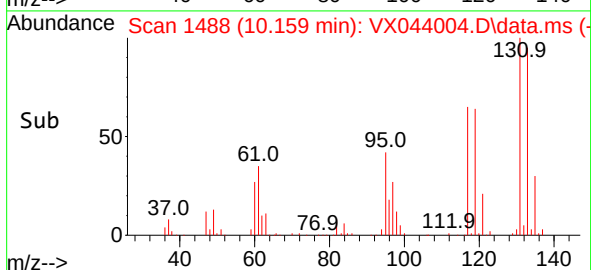
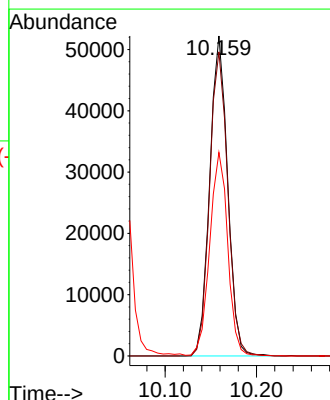
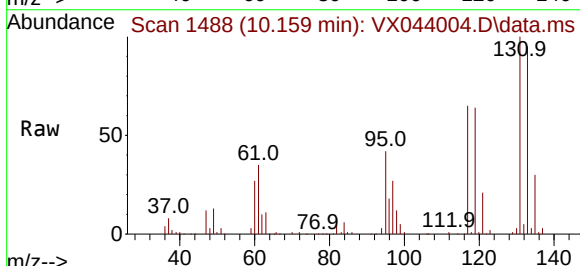
Tgt Ion:131 Resp: 70900

Ion Ratio Lower Upper

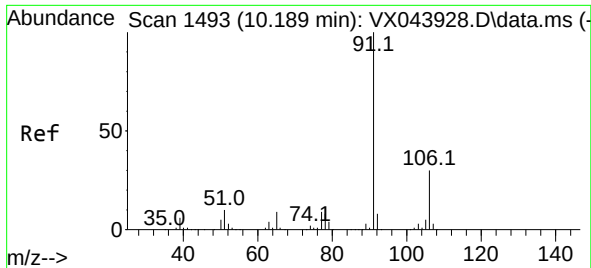
131 100

133 96.3 48.2 144.6

119 64.0 31.5 94.5







#67

Ethyl Benzene

Concen: 48.325 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

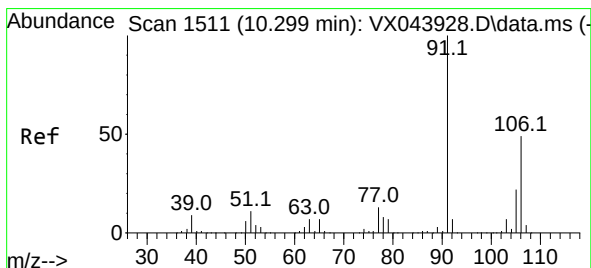
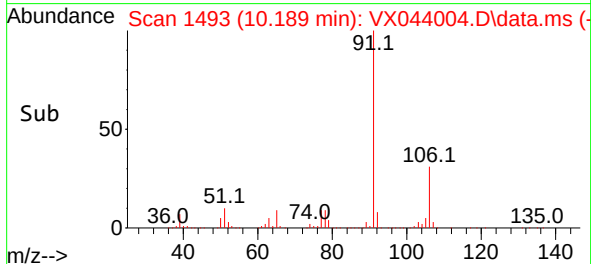
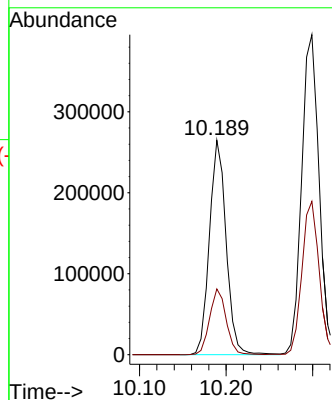
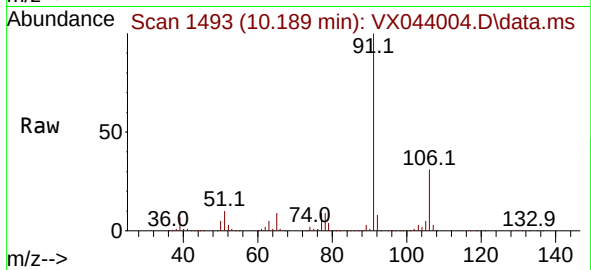
VSTDCCC050

Tgt Ion: 91 Resp: 355247

Ion Ratio Lower Upper

91 100

106 30.6 23.6 35.4



#68

m/p-Xylenes

Concen: 96.088 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044004.D

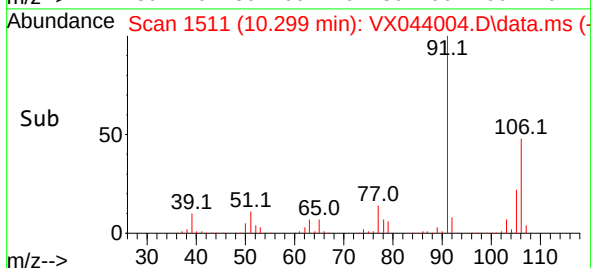
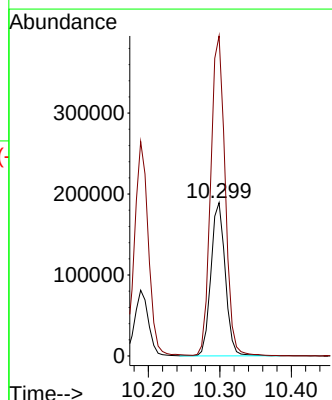
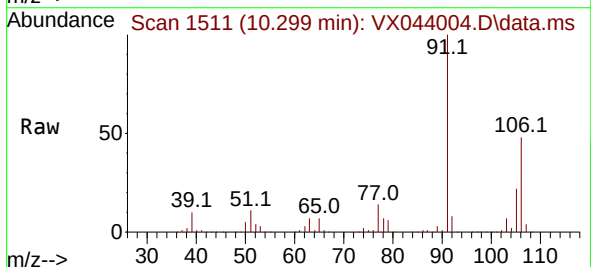
Acq: 26 Nov 2024 09:59

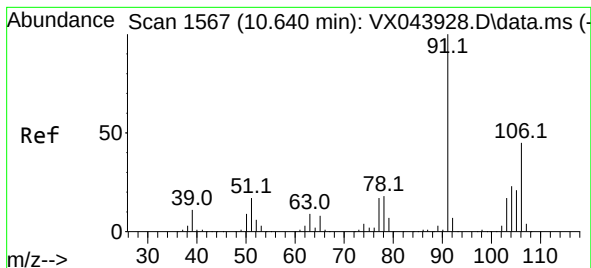
Tgt Ion:106 Resp: 263420

Ion Ratio Lower Upper

106 100

91 210.8 168.1 252.1

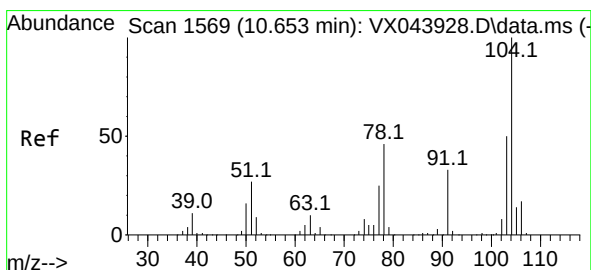
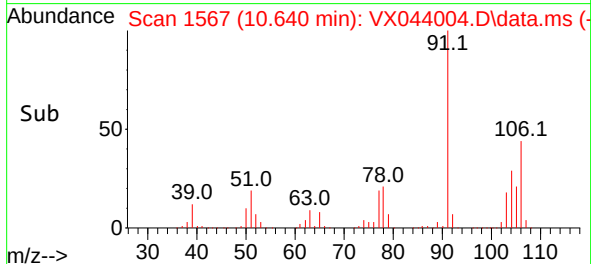
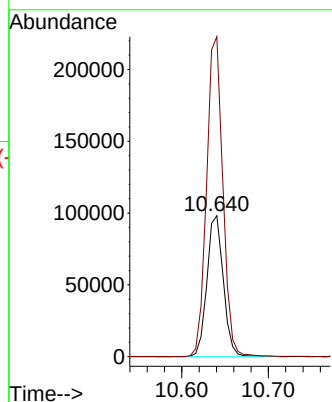
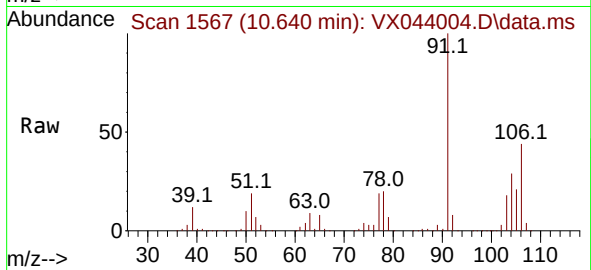




#69  
o-Xylene  
Concen: 48.254 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

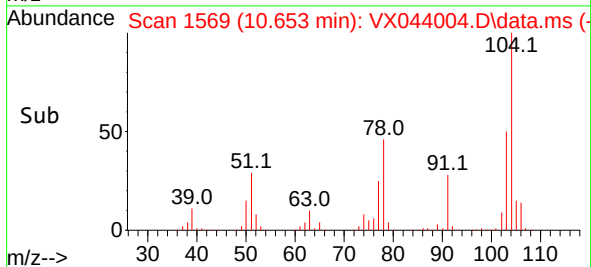
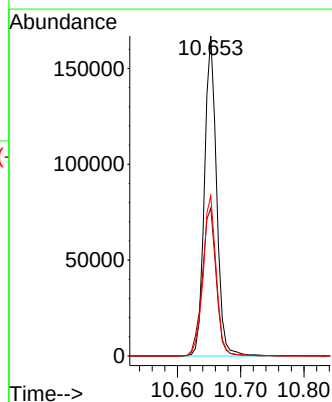
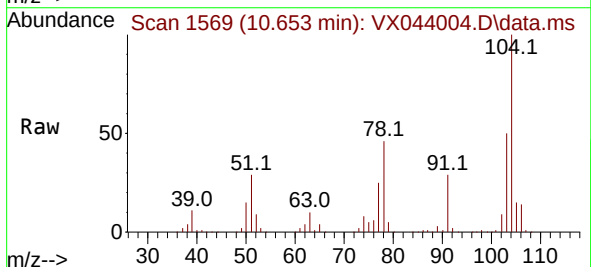
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

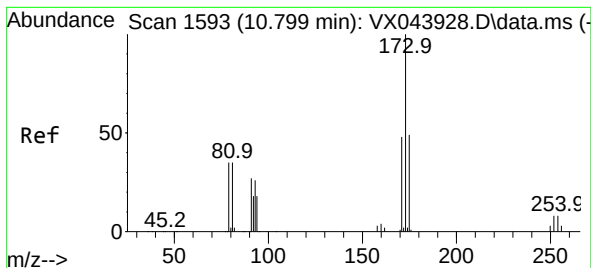
Tgt Ion:106 Resp: 129159  
Ion Ratio Lower Upper  
106 100  
91 225.6 110.2 330.6



#70  
Styrene  
Concen: 50.399 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion:104 Resp: 223116  
Ion Ratio Lower Upper  
104 100  
78 53.2 42.2 63.2  
103 54.3 44.7 67.1





#71

Bromoform

Concen: 47.213 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

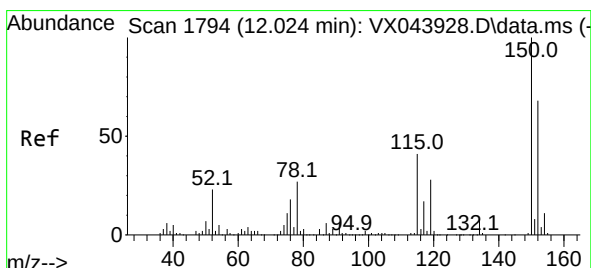
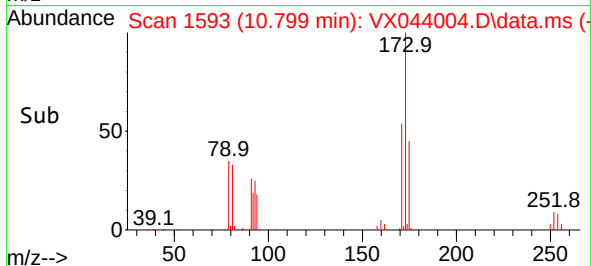
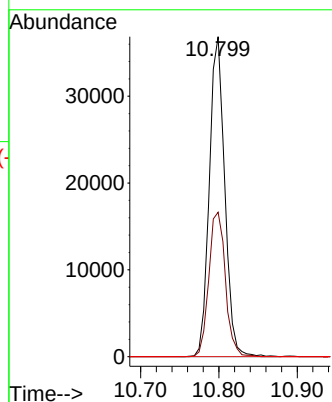
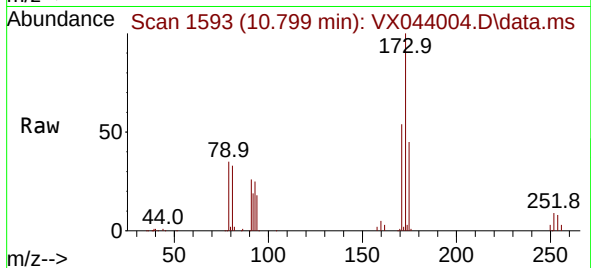
Tgt Ion:173 Resp: 50248

Ion Ratio Lower Upper

173 100

175 48.6 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

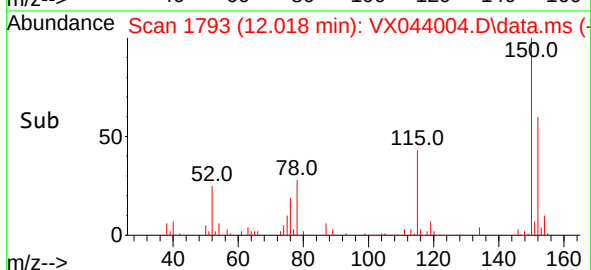
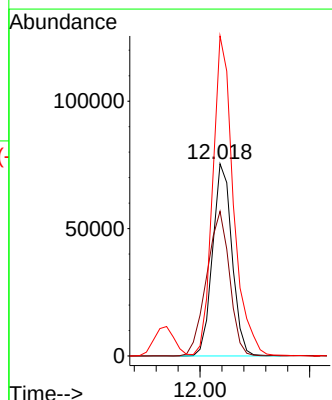
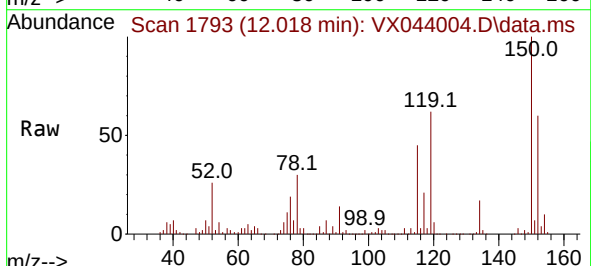
Tgt Ion:152 Resp: 92620

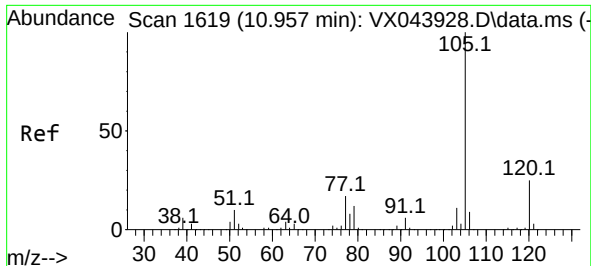
Ion Ratio Lower Upper

152 100

115 88.8 45.4 136.2

150 177.7 0.0 353.0

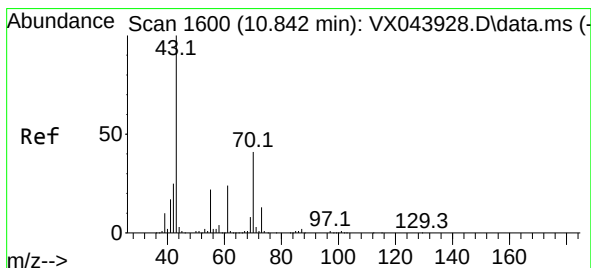
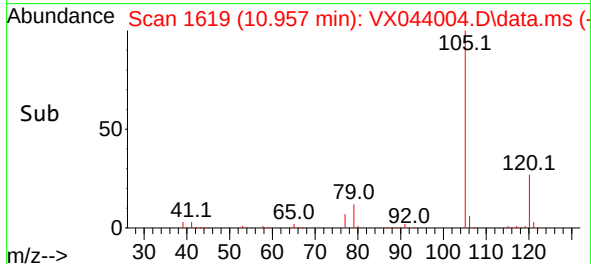
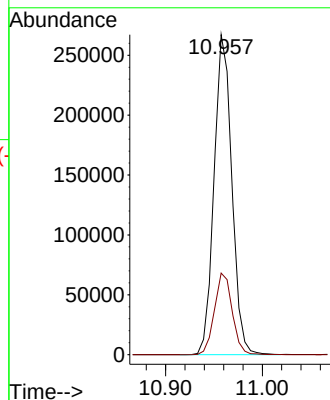
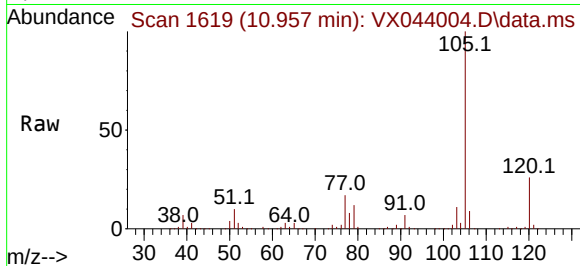




#73  
Isopropylbenzene  
Concen: 47.752 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

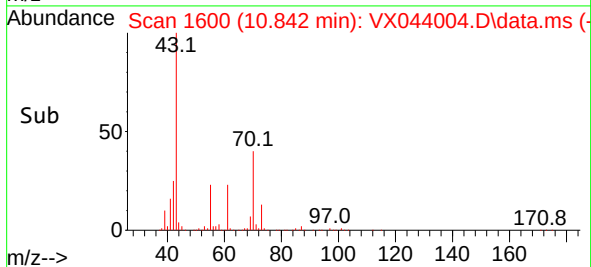
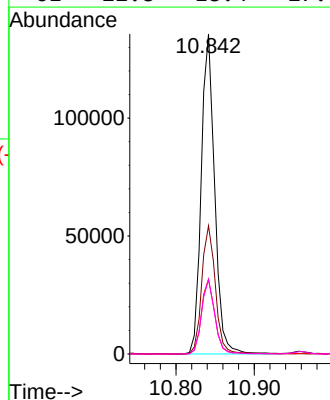
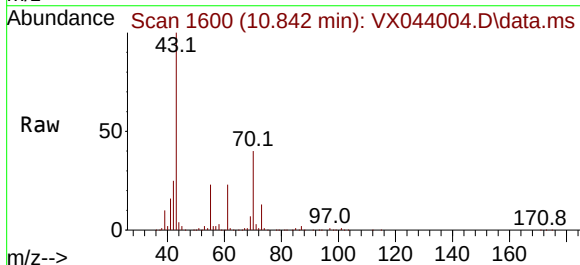
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

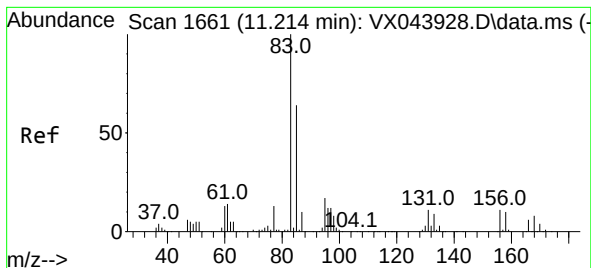
Tgt Ion:105 Resp: 339978  
Ion Ratio Lower Upper  
105 100  
120 25.5 13.0 38.9



#74  
N-ethyl acetate  
Concen: 49.007 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 43 Resp: 161635  
Ion Ratio Lower Upper  
43 100  
70 40.7 32.2 48.2  
55 23.2 18.1 27.1  
61 22.8 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 48.146 ug/l

RT: 11.207 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

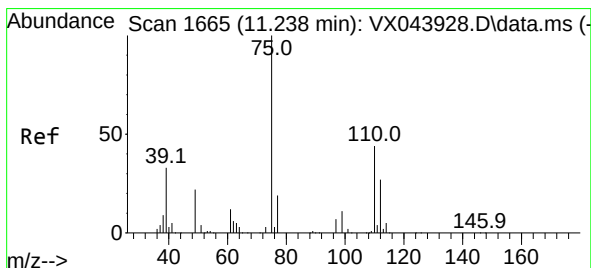
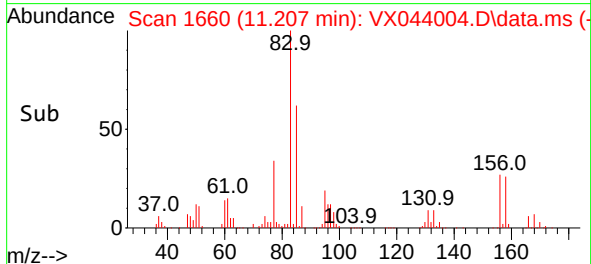
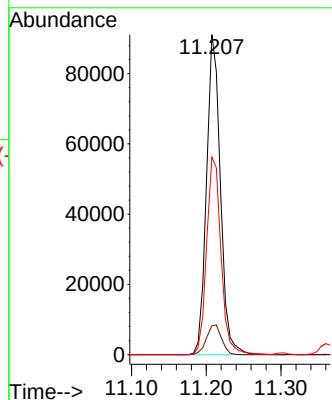
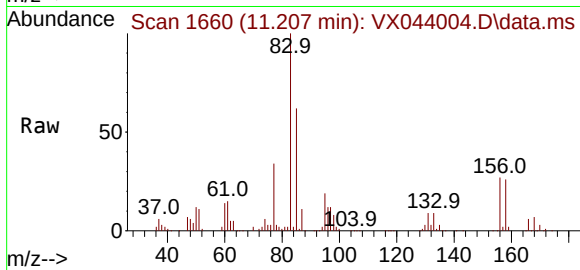
Tgt Ion: 83 Resp: 117371

Ion Ratio Lower Upper

83 100

131 10.1 5.1 15.2

85 64.0 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 63.364 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044004.D

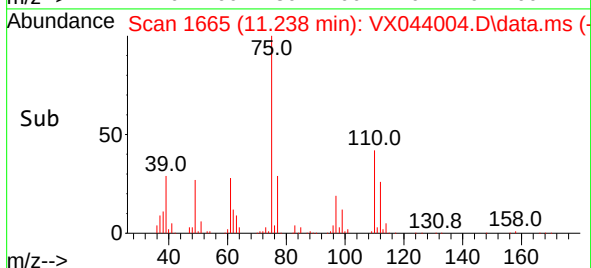
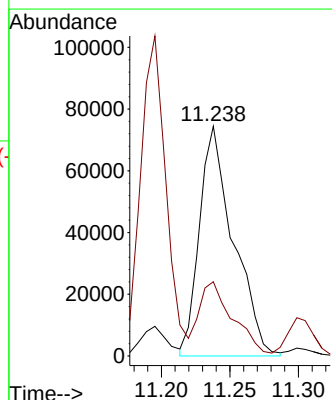
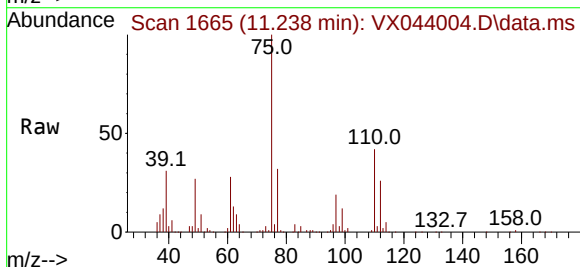
Acq: 26 Nov 2024 09:59

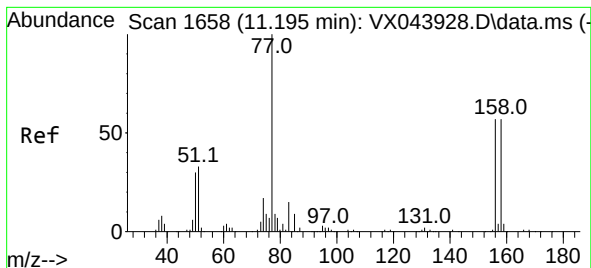
Tgt Ion: 75 Resp: 128701

Ion Ratio Lower Upper

75 100

77 32.1 21.8 65.3





#77

Bromobenzene

Concen: 48.072 ug/l

RT: 11.195 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

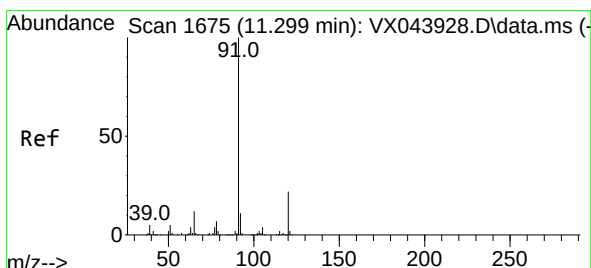
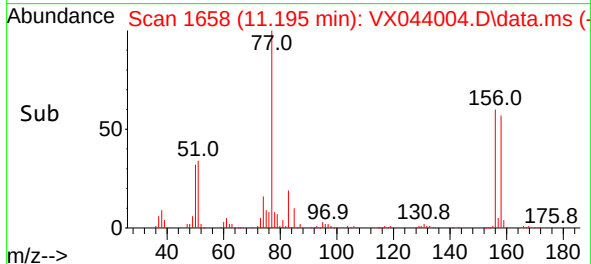
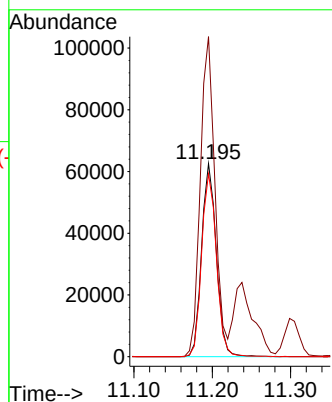
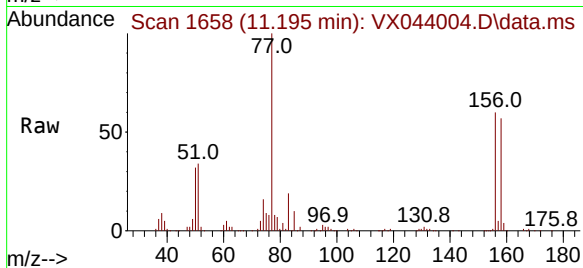
Tgt Ion:156 Resp: 81644

Ion Ratio Lower Upper

156 100

77 164.7 83.4 250.1

158 95.4 47.6 142.8



#78

n-propylbenzene

Concen: 49.273 ug/l

RT: 11.299 min Scan# 1675

Delta R.T. -0.000 min

Lab File: VX044004.D

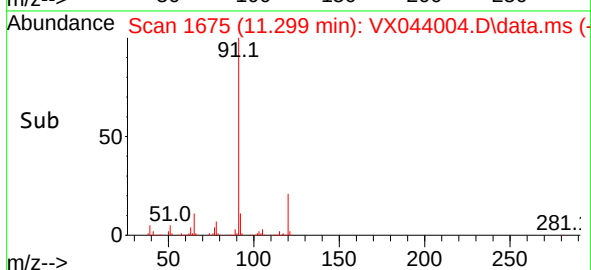
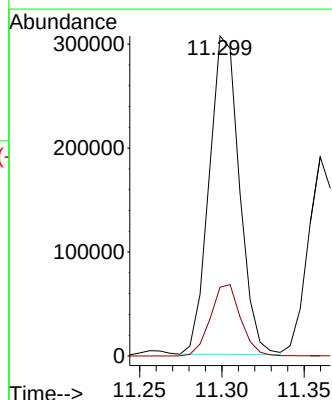
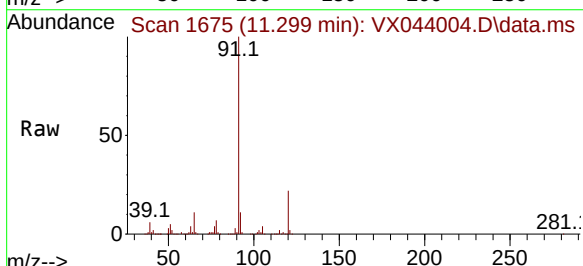
Acq: 26 Nov 2024 09:59

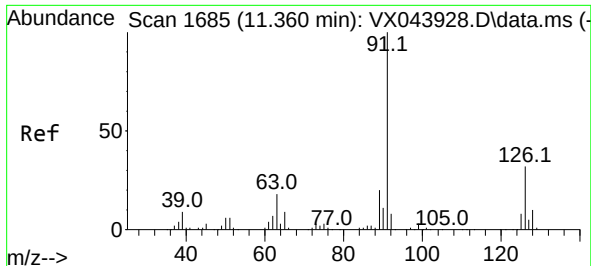
Tgt Ion: 91 Resp: 391796

Ion Ratio Lower Upper

91 100

120 22.5 11.5 34.4

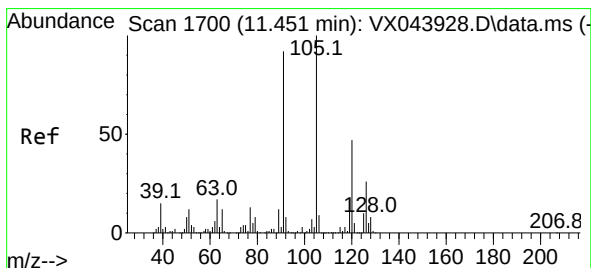
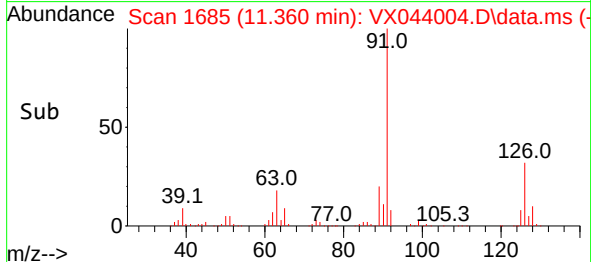
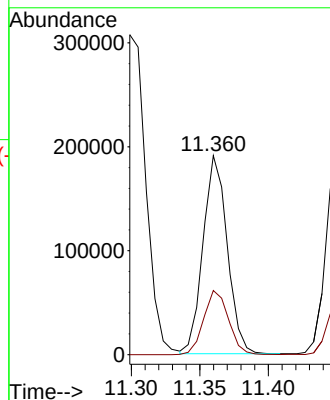
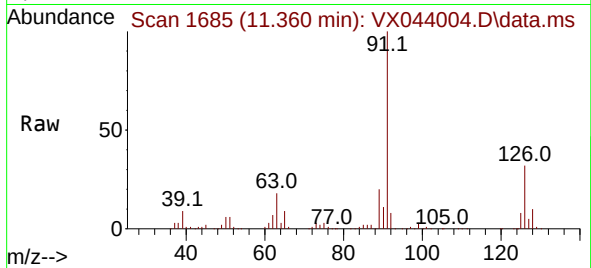




#79  
2-Chlorotoluene  
Concen: 46.549 ug/l  
RT: 11.360 min Scan# 1685  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

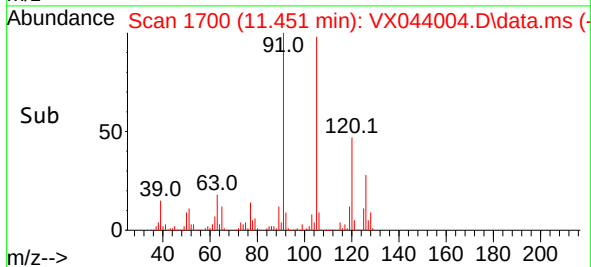
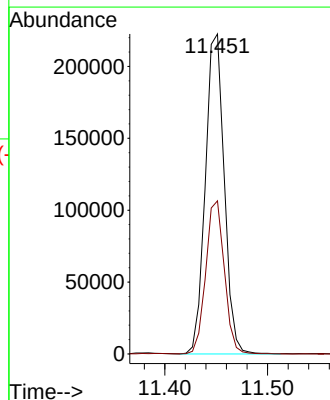
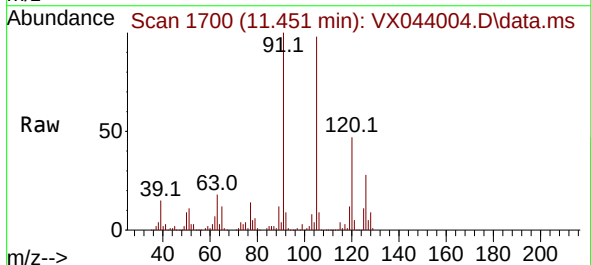
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

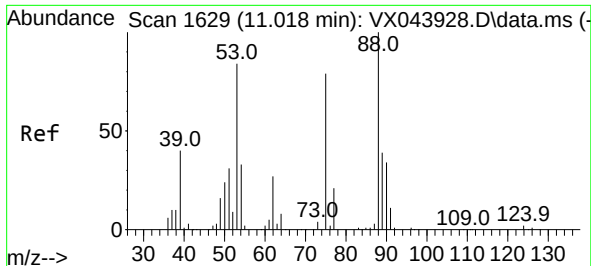
Tgt Ion: 91 Resp: 234054  
Ion Ratio Lower Upper  
91 100  
126 33.2 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 48.750 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 105 Resp: 285548  
Ion Ratio Lower Upper  
105 100  
120 47.0 23.3 69.8

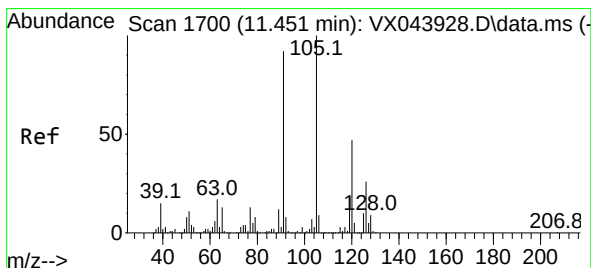
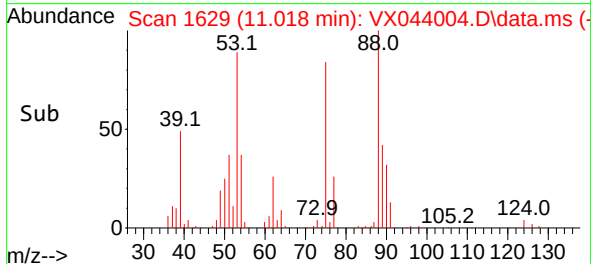
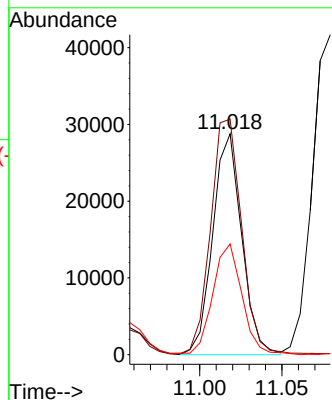
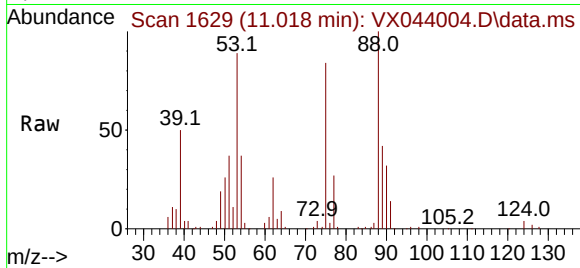




#81  
trans-1,4-Dichloro-2-butene  
Concen: 47.385 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

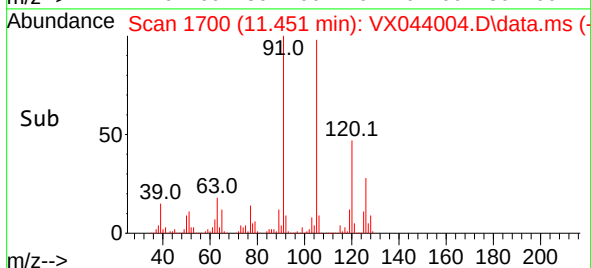
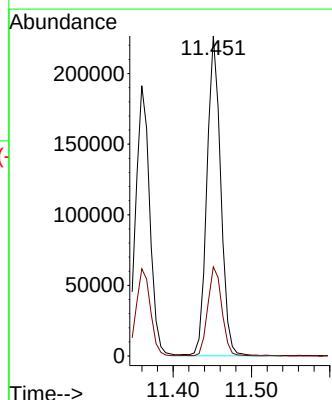
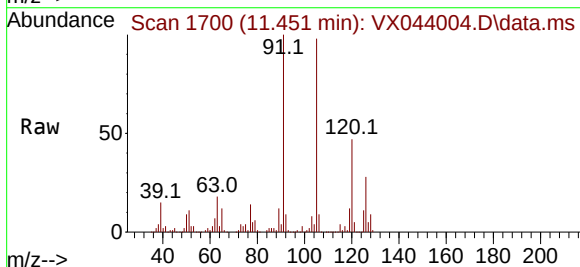
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion: 75 Resp: 35271  
Ion Ratio Lower Upper  
75 100  
53 115.1 86.7 130.1  
89 50.7 38.2 57.2

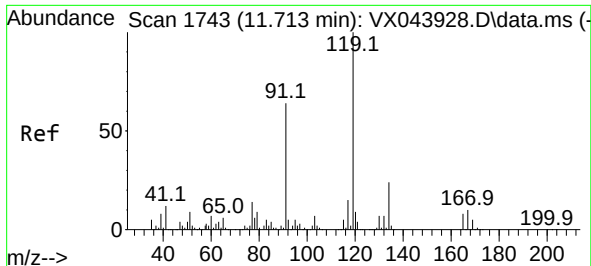


#82  
4-Chlorotoluene  
Concen: 48.649 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion: 91 Resp: 276164  
Ion Ratio Lower Upper  
91 100  
126 28.3 14.3 42.9



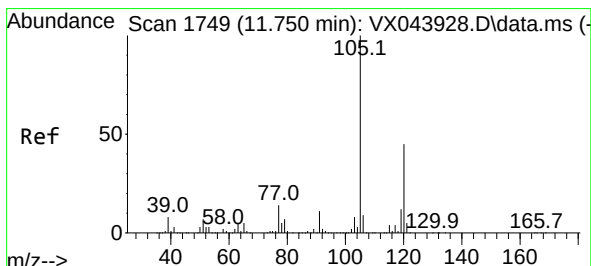
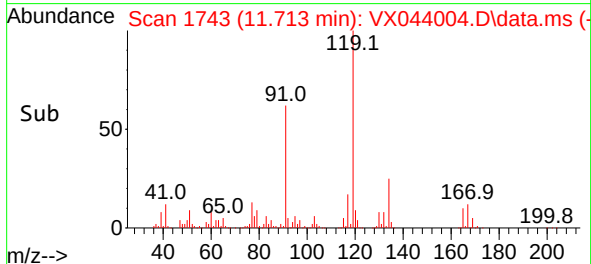
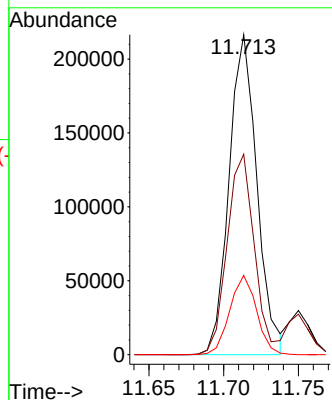
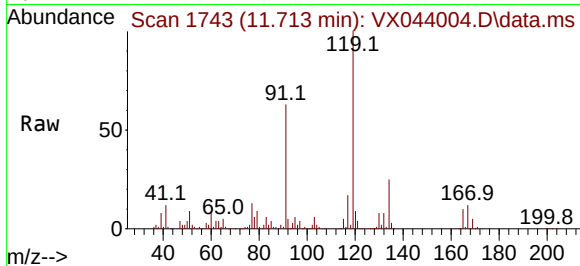




#83  
tert-Butylbenzene  
Concen: 48.392 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

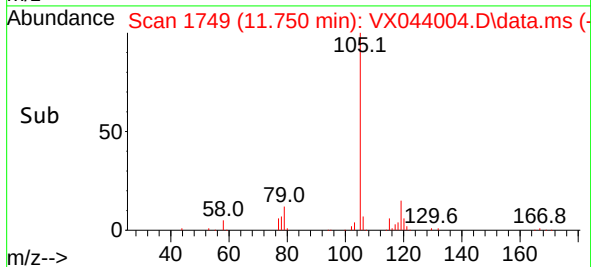
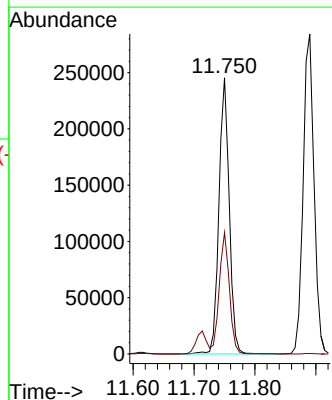
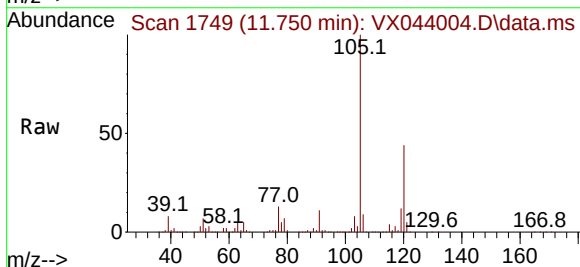
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

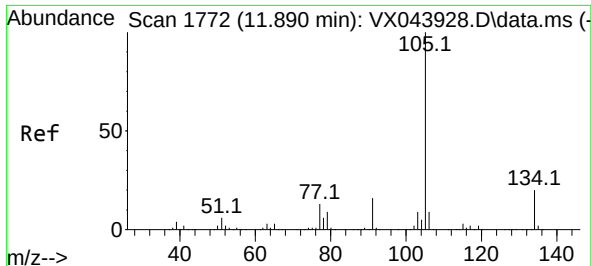
Tgt Ion:119 Resp: 280949  
Ion Ratio Lower Upper  
119 100  
91 60.5 31.0 93.0  
134 23.8 11.6 34.8



#84  
1,2,4-Trimethylbenzene  
Concen: 49.480 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion:105 Resp: 288545  
Ion Ratio Lower Upper  
105 100  
120 43.3 21.9 65.7

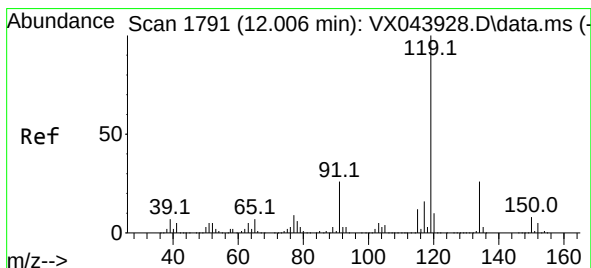
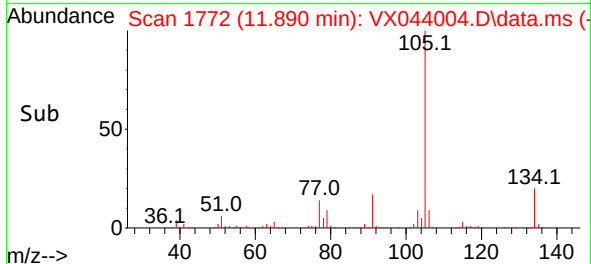
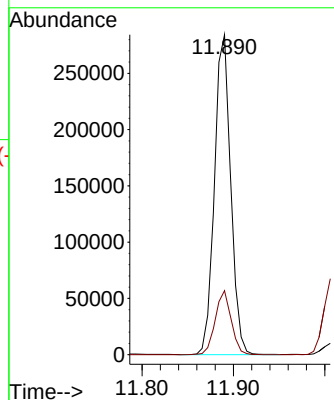
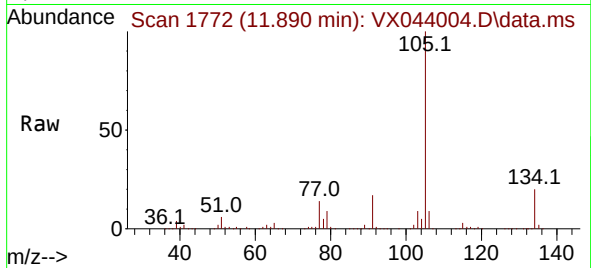




#85  
 sec-Butylbenzene  
 Concen: 49.271 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

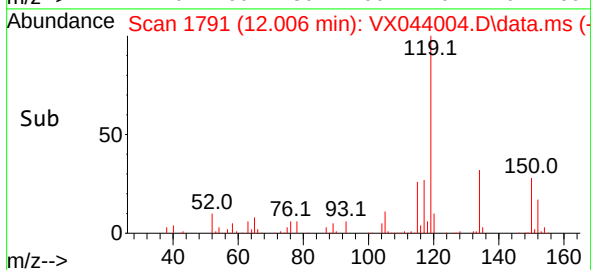
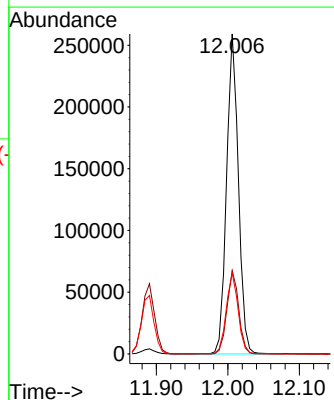
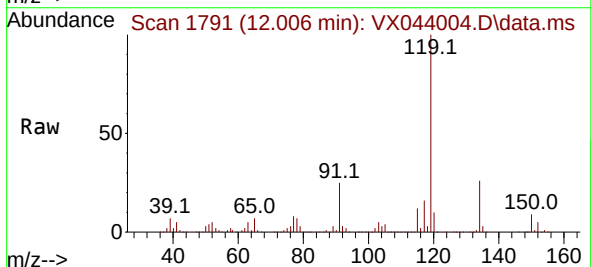
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

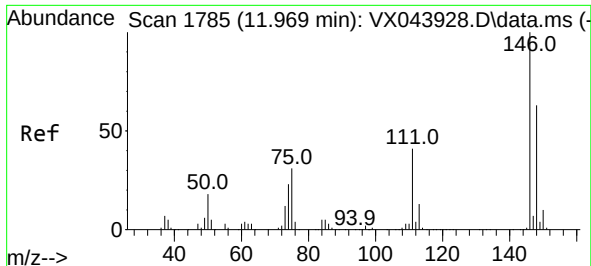
Tgt Ion:105 Resp: 350478  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 51.525 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX044004.D  
 Acq: 26 Nov 2024 09:59

Tgt Ion:119 Resp: 297712  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.0 38.9  
 91 25.4 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 47.812 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

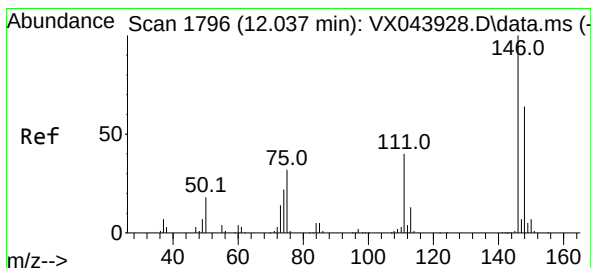
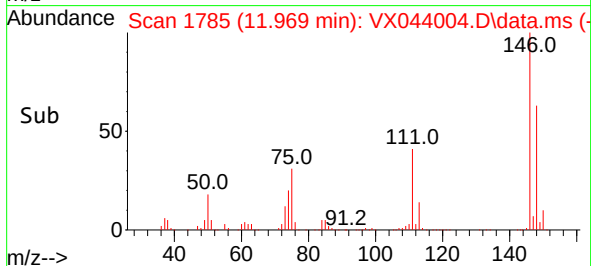
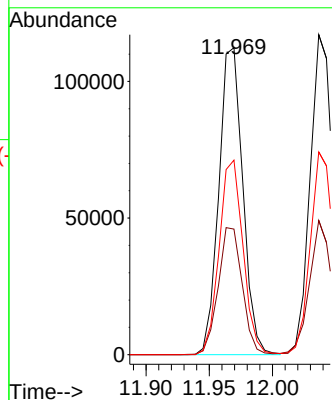
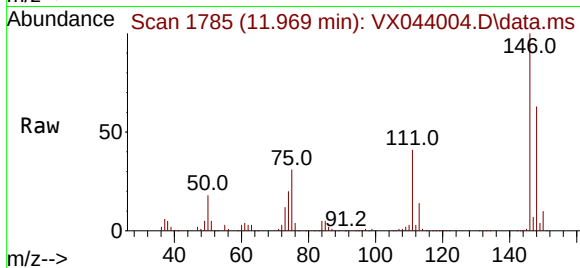
Tgt Ion:146 Resp: 147898

Ion Ratio Lower Upper

146 100

111 41.5 21.1 63.3

148 63.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 46.902 ug/l

RT: 12.037 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

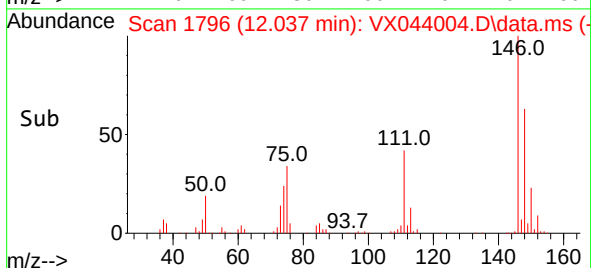
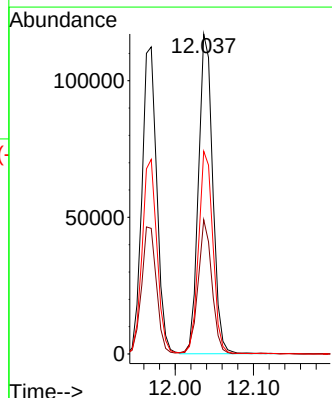
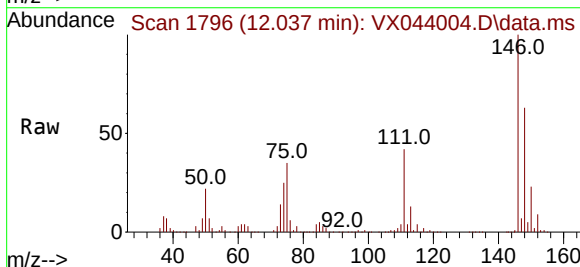
Tgt Ion:146 Resp: 147915

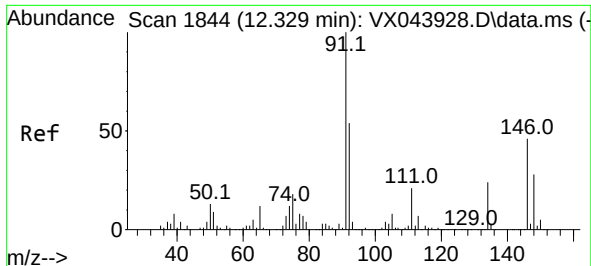
Ion Ratio Lower Upper

146 100

111 40.7 20.1 60.3

148 63.2 30.9 92.8





#89

n-Butylbenzene

Concen: 51.276 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

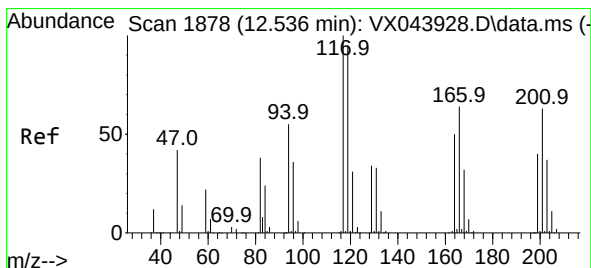
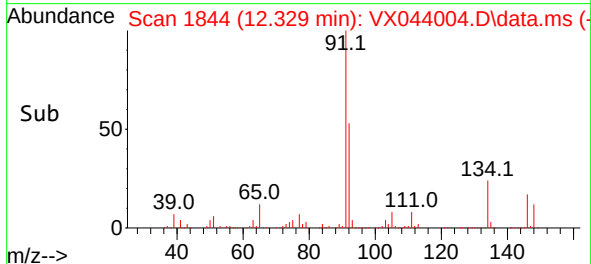
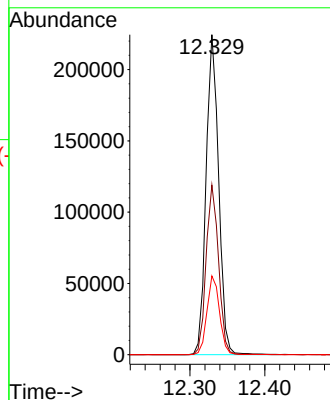
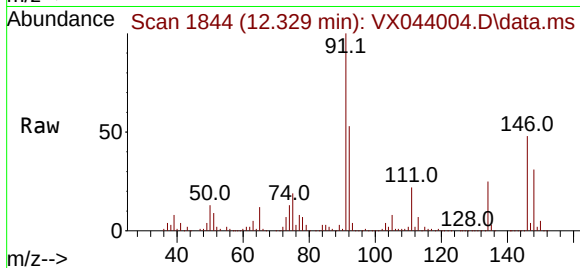
Tgt Ion: 91 Resp: 261214

Ion Ratio Lower Upper

91 100

92 52.7 26.6 79.8

134 24.7 12.4 37.2



#90

Hexachloroethane

Concen: 48.805 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044004.D

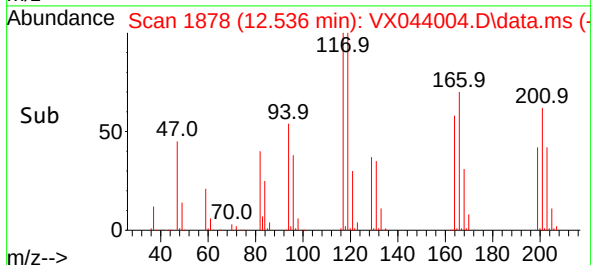
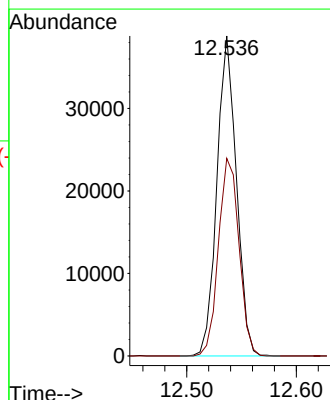
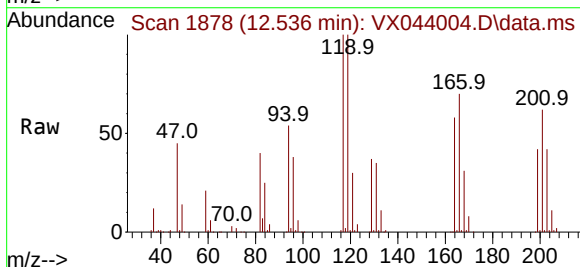
Acq: 26 Nov 2024 09:59

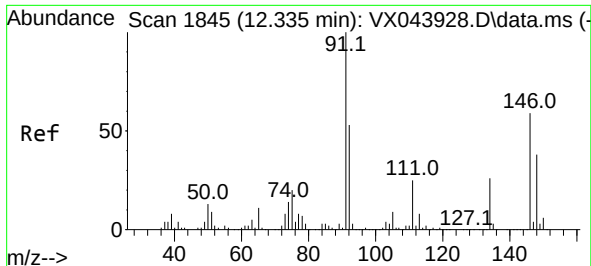
Tgt Ion: 117 Resp: 47951

Ion Ratio Lower Upper

117 100

201 65.2 32.4 97.0





#91

1,2-Dichlorobenzene

Concen: 49.239 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

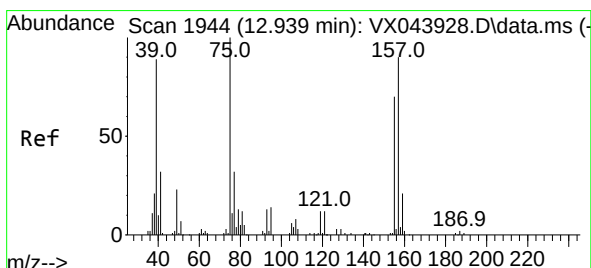
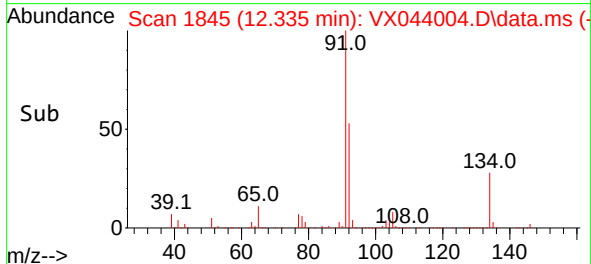
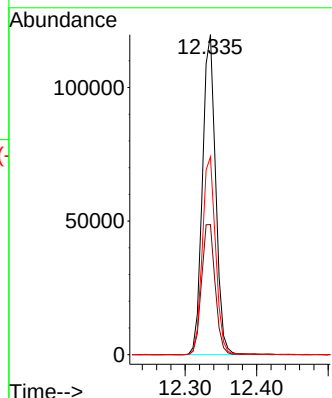
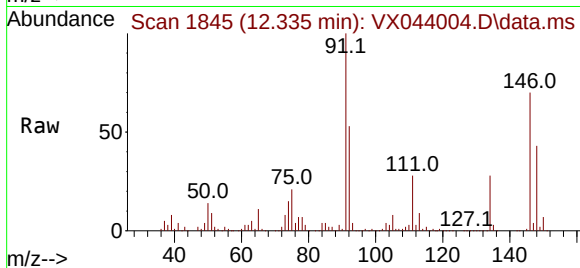
Tgt Ion:146 Resp: 153709

Ion Ratio Lower Upper

146 100

111 42.0 21.5 64.5

148 62.2 31.9 95.5



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.526 ug/l

RT: 12.939 min Scan# 1944

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

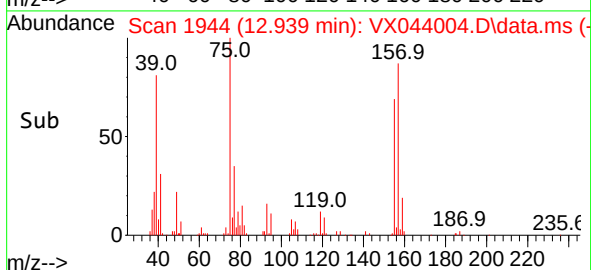
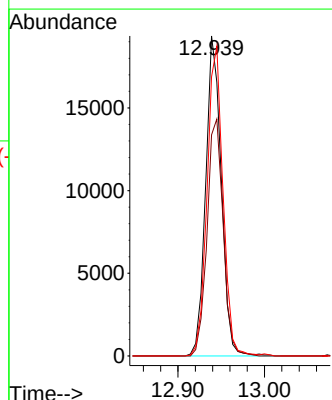
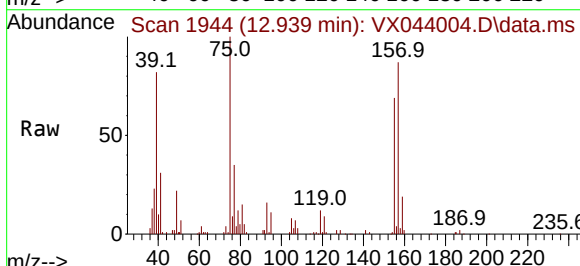
Tgt Ion: 75 Resp: 24192

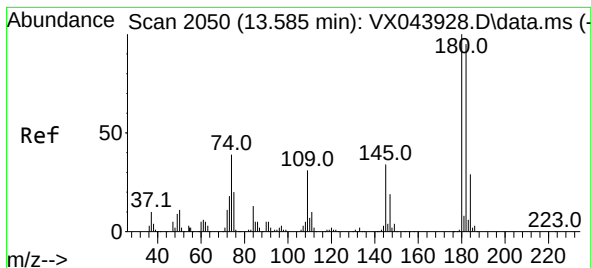
Ion Ratio Lower Upper

75 100

155 76.6 40.1 120.2

157 98.9 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 48.090 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050

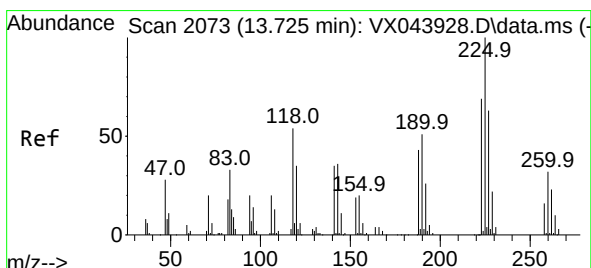
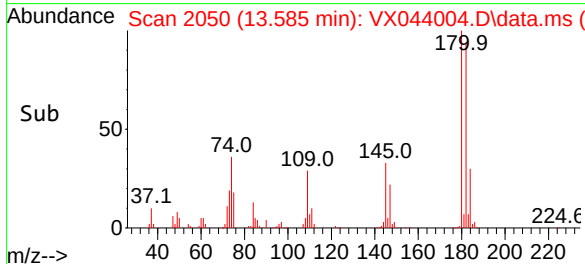
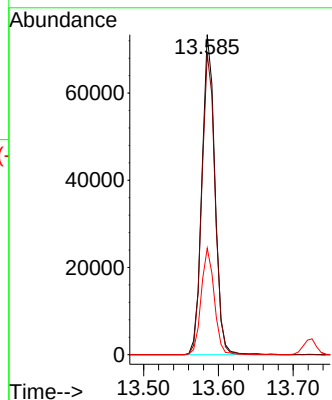
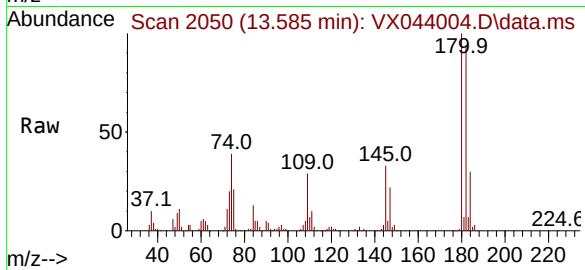
Tgt Ion:180 Resp: 88506

Ion Ratio Lower Upper

180 100

182 95.4 48.0 144.2

145 33.3 16.8 50.4



#94

Hexachlorobutadiene

Concen: 50.669 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. -0.000 min

Lab File: VX044004.D

Acq: 26 Nov 2024 09:59

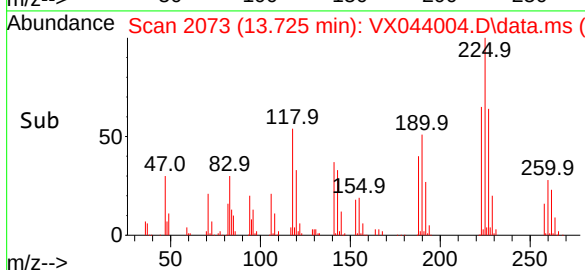
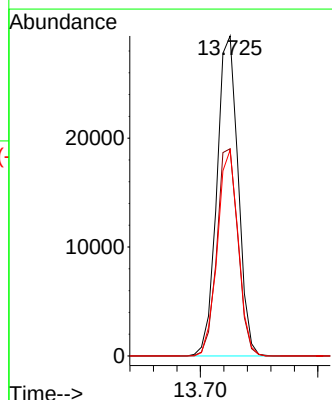
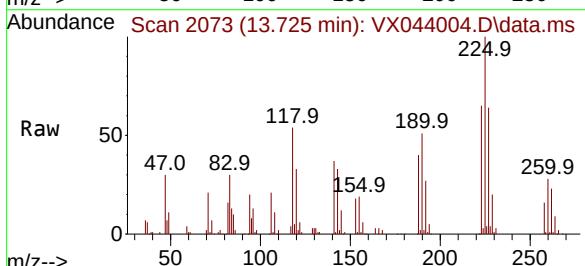
Tgt Ion:225 Resp: 36855

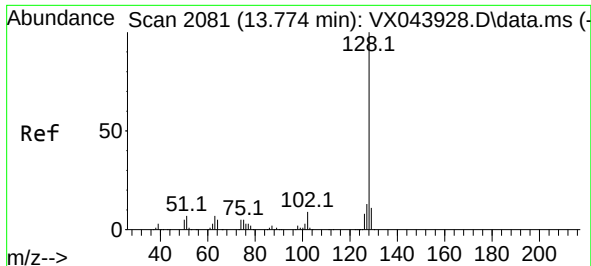
Ion Ratio Lower Upper

225 100

223 64.3 32.9 98.6

227 63.0 31.6 94.8

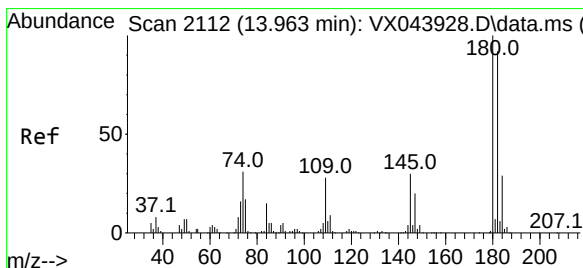
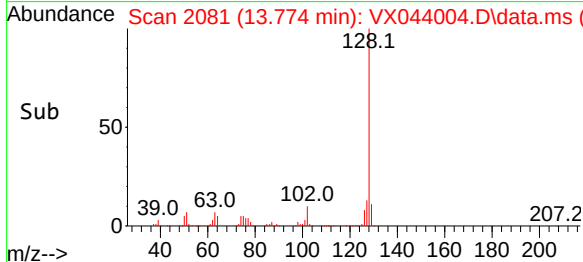
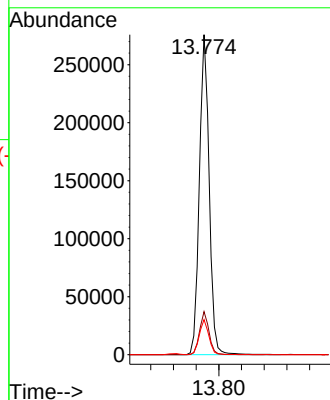
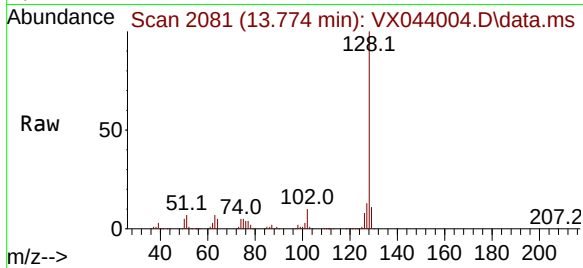




#95  
Naphthalene  
Concen: 49.840 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

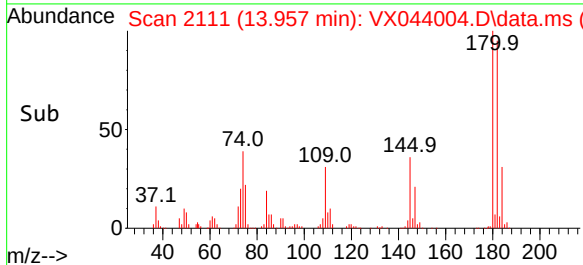
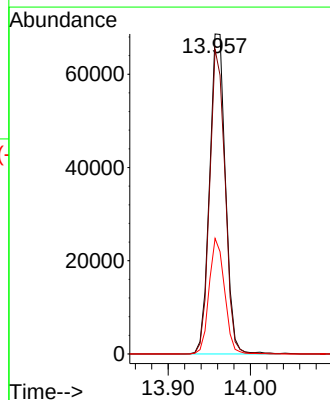
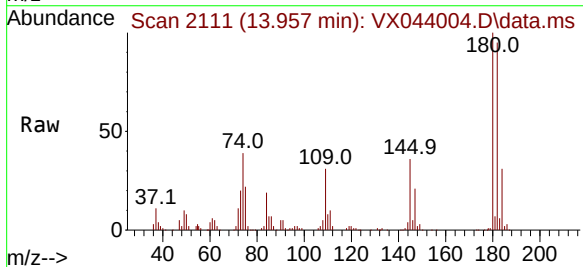
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Tgt Ion:128 Resp: 330189  
Ion Ratio Lower Upper  
128 100  
127 12.9 10.2 15.2  
129 10.7 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 49.496 ug/l  
RT: 13.957 min Scan# 2111  
Delta R.T. -0.006 min  
Lab File: VX044004.D  
Acq: 26 Nov 2024 09:59

Tgt Ion:180 Resp: 92201  
Ion Ratio Lower Upper  
180 100  
182 92.3 45.6 136.8  
145 35.0 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044007.D  
 Acq On : 26 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VX1126WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

Quant Time: Nov 27 00:48:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 126484   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 228899   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 196787   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 89836    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |            |      |
|-----------------------------|--------|-------|----------|----------|------------|------|
| System Monitoring Compounds |        |       |          |          |            |      |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 109611   | 50.526   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 101.060% |      |
| 35) Dibromofluoromethane    | 5.379  | 113   | 79171    | 48.405   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 96.800%  |      |
| 50) Toluene-d8              | 8.647  | 98    | 277374   | 49.197   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 98.400%  |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 94239    | 49.114   | ug/l       | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 98.220%  |      |

|                              |       |     |        |        |      |     |
|------------------------------|-------|-----|--------|--------|------|-----|
| Target Compounds             |       |     |        | Qvalue |      |     |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 28827  | 17.990 | ug/l | 93  |
| 3) Chloromethane             | 1.295 | 50  | 31644  | 18.767 | ug/l | 99  |
| 4) Vinyl Chloride            | 1.374 | 62  | 33381  | 18.612 | ug/l | 99  |
| 5) Bromomethane              | 1.593 | 94  | 21005  | 19.038 | ug/l | 90  |
| 6) Chloroethane              | 1.666 | 64  | 23849  | 21.823 | ug/l | 94  |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 62603  | 19.524 | ug/l | 99  |
| 8) Diethyl Ether             | 2.130 | 74  | 22655  | 19.385 | ug/l | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 28164  | 18.414 | ug/l | 99  |
| 10) Methyl Iodide            | 2.441 | 142 | 35540  | 18.605 | ug/l | 99  |
| 11) Tert butyl alcohol       | 2.995 | 59  | 30103  | 86.450 | ug/l | 100 |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 26326  | 18.063 | ug/l | 94  |
| 13) Acrolein                 | 2.233 | 56  | 34432  | 93.813 | ug/l | 97  |
| 14) Allyl chloride           | 2.654 | 41  | 45281  | 19.014 | ug/l | 98  |
| 15) Acrylonitrile            | 3.063 | 53  | 82583  | 97.321 | ug/l | 100 |
| 16) Acetone                  | 2.386 | 43  | 96113  | 96.461 | ug/l | 98  |
| 17) Carbon Disulfide         | 2.502 | 76  | 45228  | 15.044 | ug/l | 99  |
| 18) Methyl Acetate           | 2.703 | 43  | 45089  | 19.432 | ug/l | 99  |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 105281 | 19.894 | ug/l | 99  |
| 20) Methylene Chloride       | 2.782 | 84  | 32937  | 19.479 | ug/l | 99  |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 27839  | 18.501 | ug/l | 95  |
| 22) Diisopropyl ether        | 3.764 | 45  | 102578 | 20.144 | ug/l | 97  |
| 23) Vinyl Acetate            | 3.721 | 43  | 423782 | 97.282 | ug/l | 98  |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 58526  | 19.922 | ug/l | 99  |
| 25) 2-Butanone               | 4.562 | 43  | 124838 | 97.100 | ug/l | 100 |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 51476  | 19.402 | ug/l | 100 |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 35989  | 19.349 | ug/l | 98  |
| 28) Bromochloromethane       | 4.891 | 49  | 24714  | 19.112 | ug/l | 100 |
| 29) Tetrahydrofuran          | 5.013 | 42  | 72702  | 92.239 | ug/l | 99  |
| 30) Chloroform               | 5.087 | 83  | 64403  | 20.383 | ug/l | 99  |
| 31) Cyclohexane              | 5.458 | 56  | 43524  | 18.001 | ug/l | 96  |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 54646  | 20.055 | ug/l | 98  |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 38113  | 18.700 | ug/l | 99  |
| 37) Ethyl Acetate            | 4.715 | 43  | 46886  | 18.532 | ug/l | 98  |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 41327  | 18.046 | ug/l | 94  |
| 39) Methylcyclohexane        | 7.379 | 83  | 45898  | 17.334 | ug/l | 91  |
| 40) Benzene                  | 6.032 | 78  | 122979 | 19.371 | ug/l | 99  |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044007.D  
 Acq On : 26 Nov 2024 11:17  
 Operator : JC/MD  
 Sample : VX1126WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

Quant Time: Nov 27 00:48:20 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 24753    | 19.116  | ug/l   | 93       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 49529    | 19.425  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 77739    | 19.307  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 30827    | 17.152  | ug/l   | 92       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 31135    | 20.023  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 24627    | 20.022  | ug/l   | 96       |
| 47) Bromodichloromethane      | 7.818  | 83   | 43234    | 19.598  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.696  | 41   | 35204    | 18.221  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 10766    | 312.828 | ug/l   | 89       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 246977   | 100.516 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 75111    | 19.767  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 42946    | 19.090  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 46188    | 18.729  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 31047    | 19.793  | ug/l   | 94       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 48761    | 19.958  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 54924    | 20.786  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 114449   | 84.828  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 183298   | 99.251  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 29286    | 18.608  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 31454    | 19.831  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 25444    | 19.609  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.080 | 112  | 80796    | 18.694  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 27742    | 19.792  | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.195 | 91   | 141555   | 19.329  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 105269   | 38.544  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 52630    | 19.737  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 86358    | 19.581  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 17267    | 17.613  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 136262   | 19.732  | ug/l   | 98       |
| 74) N-amyl acetate            | 10.842 | 43   | 61285    | 19.157  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.214 | 83   | 48605    | 20.556  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 49640    | 25.197  | ug/l   | 82       |
| 77) Bromobenzene              | 11.195 | 156  | 32745    | 19.878  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 151539   | 19.648  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 97025    | 19.894  | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 113431   | 19.966  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11741    | 16.262  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 107199   | 19.470  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 111433   | 19.789  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 113761   | 20.112  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 133999   | 19.422  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 110997   | 19.806  | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 56964    | 18.986  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 56700    | 18.536  | ug/l   | 97       |
| 89) n-Butylbenzene            | 12.329 | 91   | 94699    | 19.165  | ug/l   | 98       |
| 90) Hexachloroethane          | 12.536 | 117  | 16678    | 17.501  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 58372    | 19.278  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 8739     | 18.445  | ug/l   | 92       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 32265    | 18.075  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 13509    | 19.148  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 121561   | 18.917  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 32745    | 18.123  | ug/l   | 92       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044007.D  
Acq On : 26 Nov 2024 11:17  
Operator : JC/MD  
Sample : VX1126WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

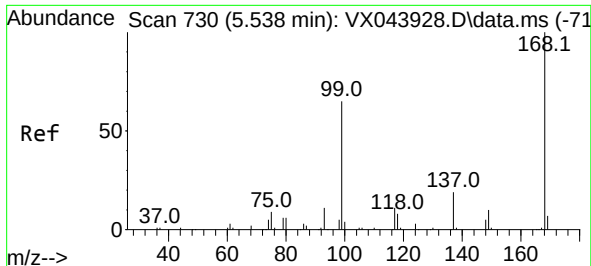
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Quant Time: Nov 27 00:48:20 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

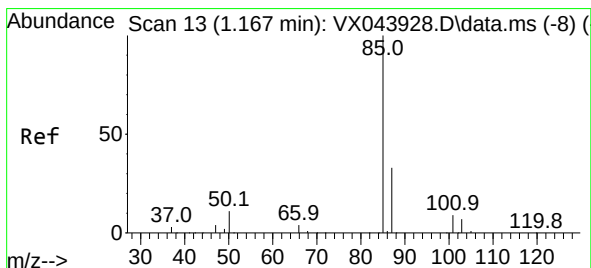
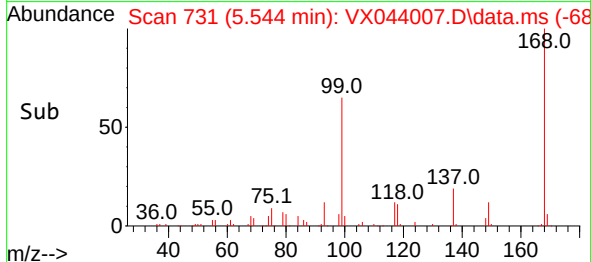
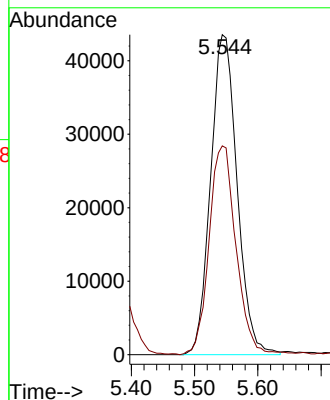
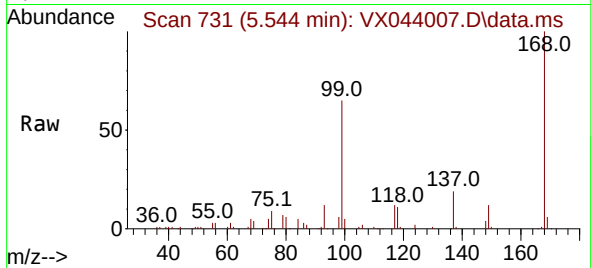




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

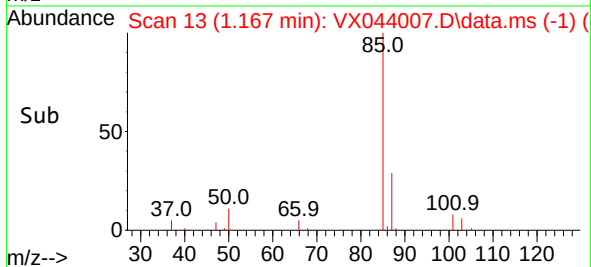
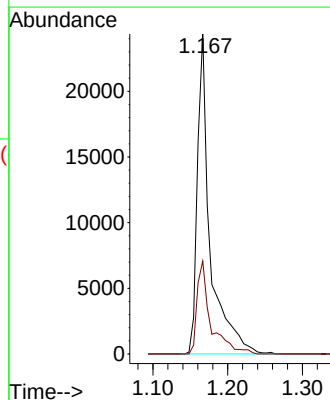
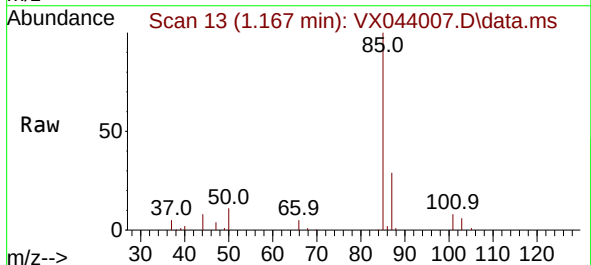
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

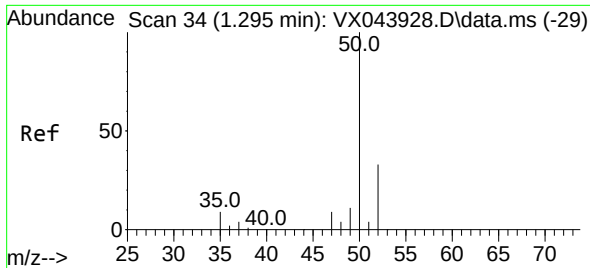
Tgt Ion:168 Resp: 126484  
Ion Ratio Lower Upper  
168 100  
99 65.2 51.8 77.8



#2  
Dichlorodifluoromethane  
Concen: 17.990 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 85 Resp: 28827  
Ion Ratio Lower Upper  
85 100  
87 29.1 16.6 49.8

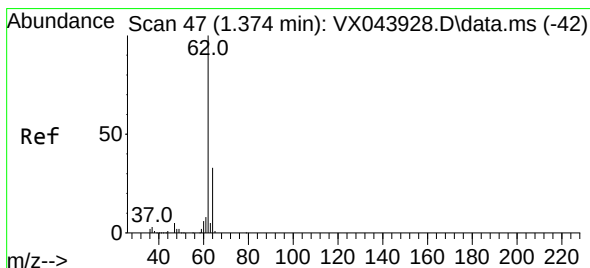
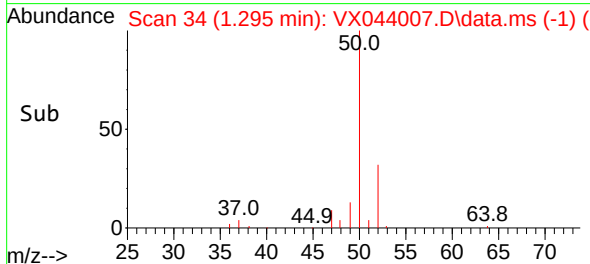
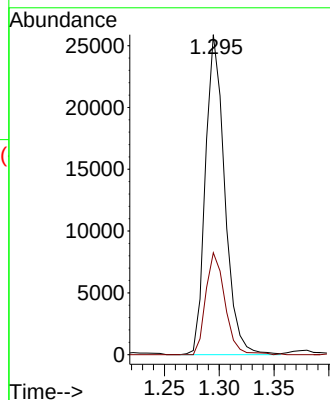
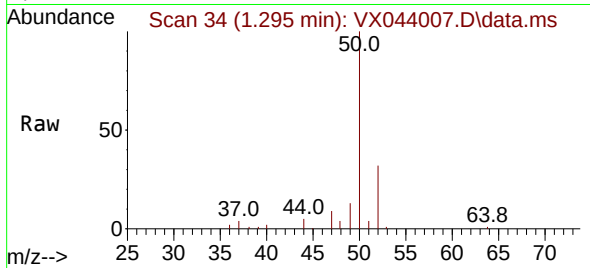




#3  
Chloromethane  
Concen: 18.767 ug/l  
RT: 1.295 min Scan# 34  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

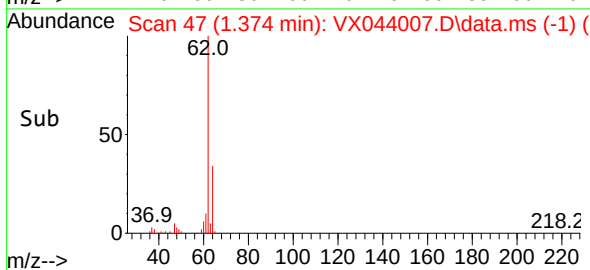
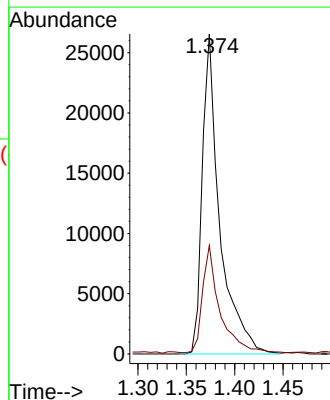
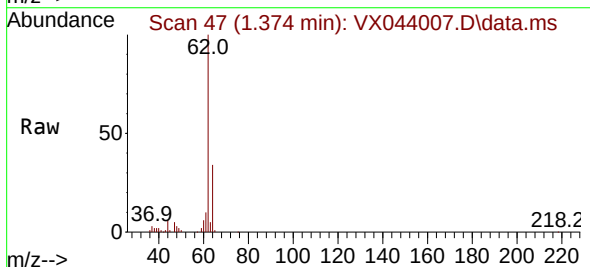
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

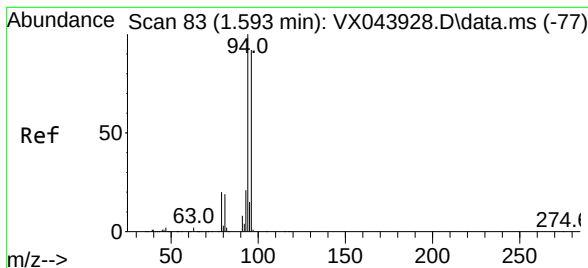
Tgt Ion: 50 Resp: 31644  
Ion Ratio Lower Upper  
50 100  
52 31.9 26.1 39.1



#4  
Vinyl Chloride  
Concen: 18.612 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 62 Resp: 33381  
Ion Ratio Lower Upper  
62 100  
64 33.4 26.2 39.4

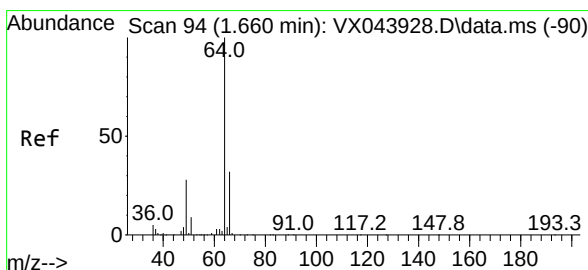
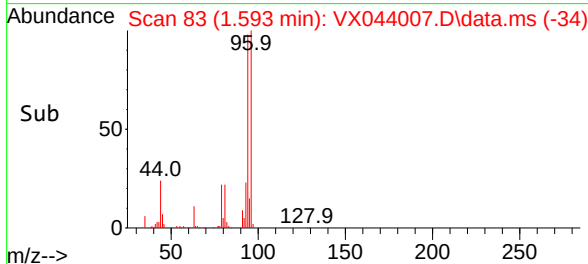
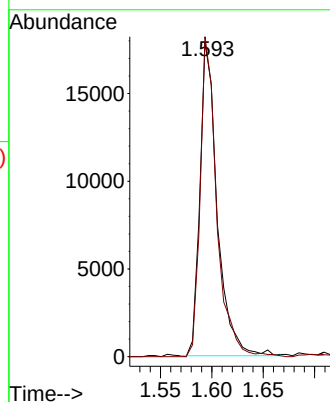
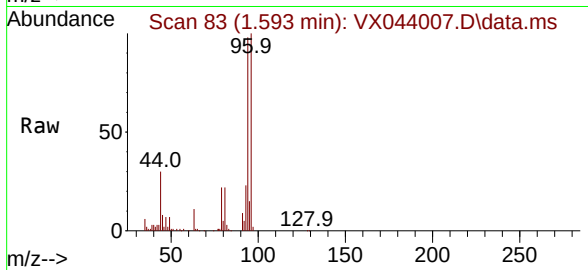




#5  
Bromomethane  
Concen: 19.038 ug/l  
RT: 1.593 min Scan# 81  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

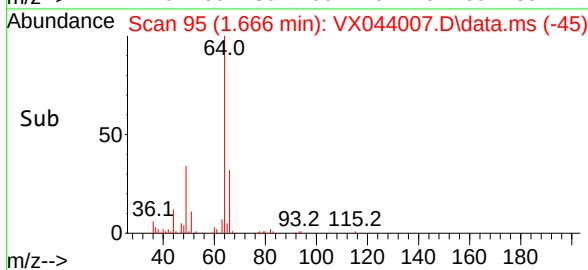
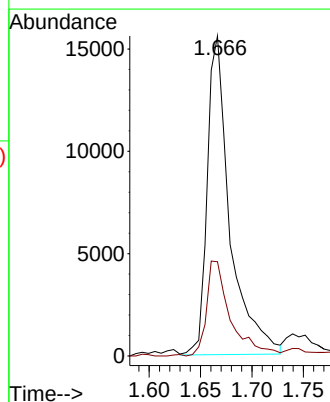
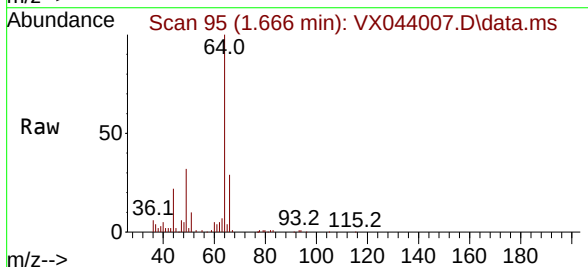
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

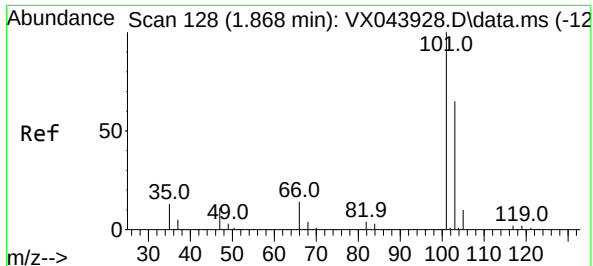
Tgt Ion: 94 Resp: 21005  
Ion Ratio Lower Upper  
94 100  
96 102.0 73.9 110.9



#6  
Chloroethane  
Concen: 21.823 ug/l  
RT: 1.666 min Scan# 95  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 64 Resp: 23849  
Ion Ratio Lower Upper  
64 100  
66 29.2 25.9 38.9

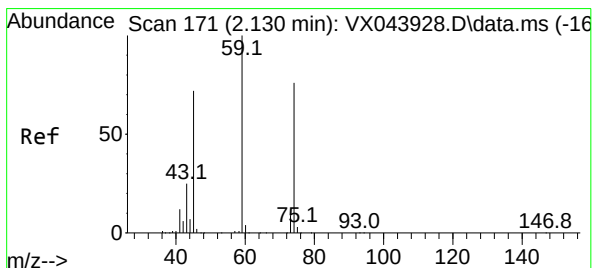
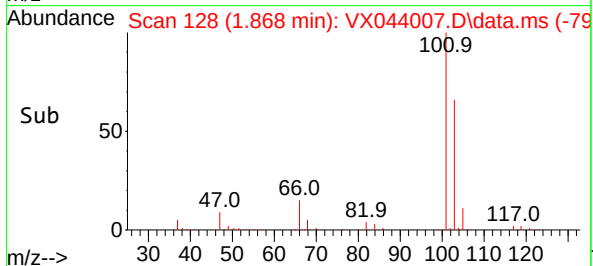
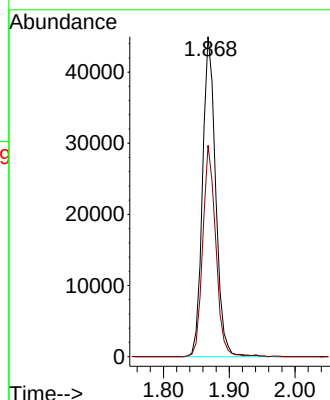
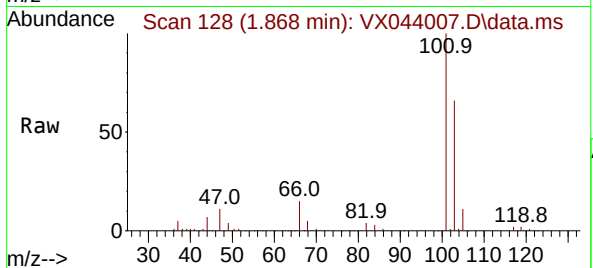




#7  
Trichlorofluoromethane  
Concen: 19.524 ug/l  
RT: 1.868 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

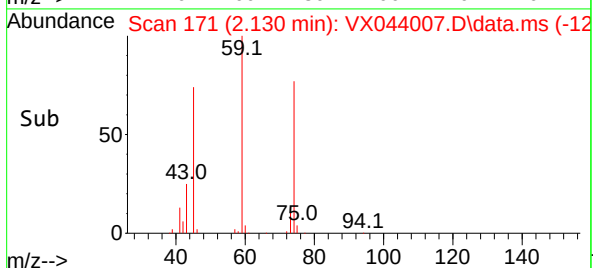
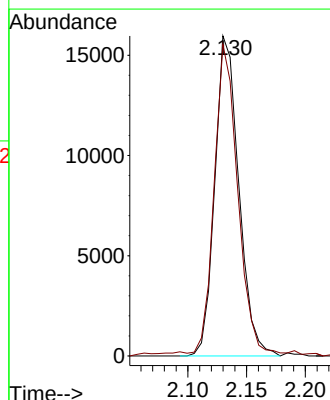
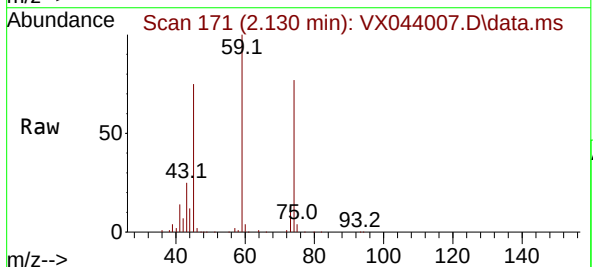
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

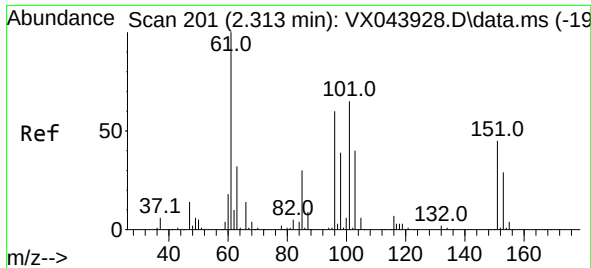
Tgt Ion:101 Resp: 62603  
Ion Ratio Lower Upper  
101 100  
103 66.0 52.2 78.2



#8  
Diethyl Ether  
Concen: 19.385 ug/l  
RT: 2.130 min Scan# 171  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 74 Resp: 22655  
Ion Ratio Lower Upper  
74 100  
45 98.2 47.9 143.6

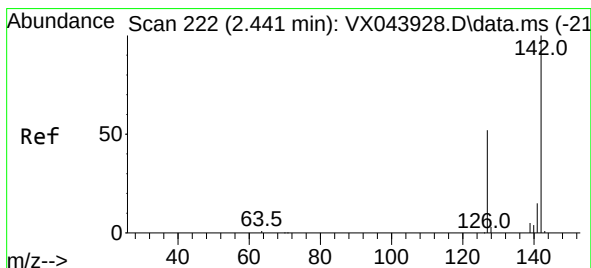
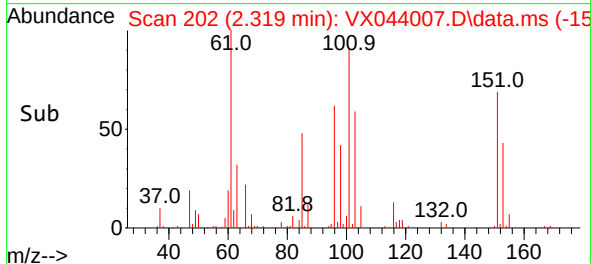
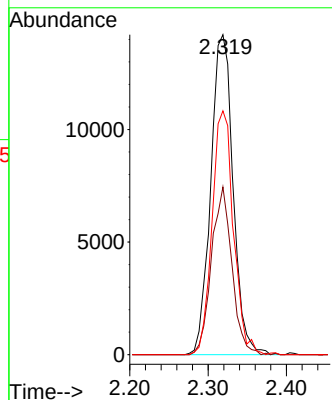
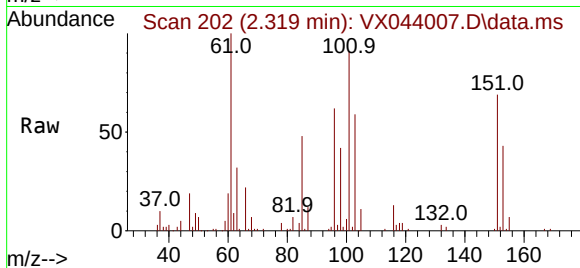




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 18.414 ug/l  
RT: 2.319 min Scan# 201  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

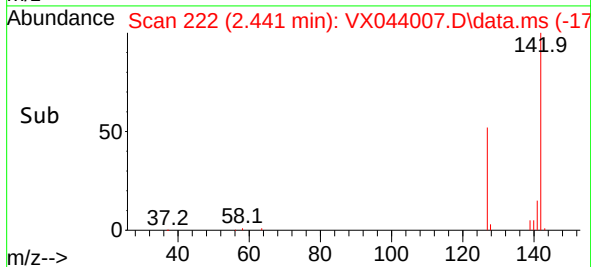
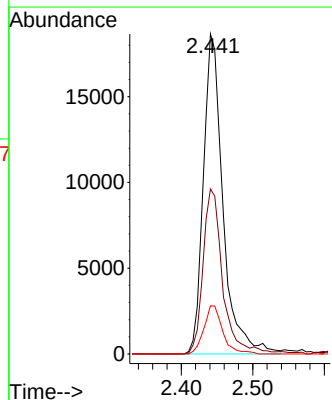
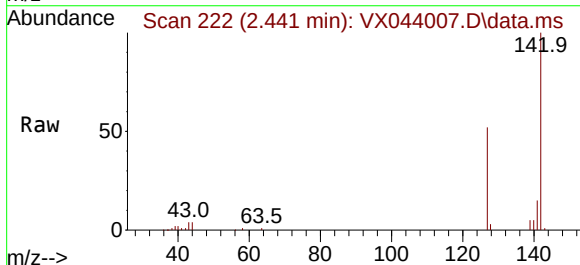
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion:101 Resp: 28164  
Ion Ratio Lower Upper  
101 100  
85 48.0 37.9 56.9  
151 73.0 57.5 86.3

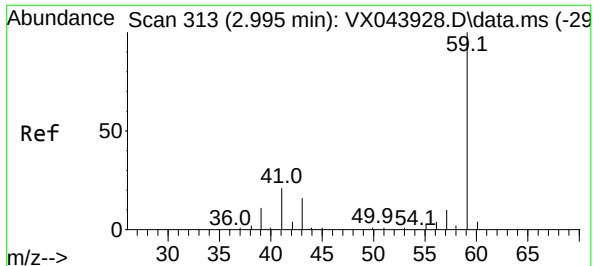


#10  
Methyl Iodide  
Concen: 18.605 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion:142 Resp: 35540  
Ion Ratio Lower Upper  
142 100  
127 51.9 40.7 61.1  
141 14.5 12.0 18.0



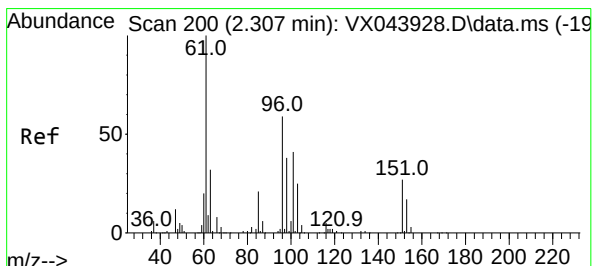
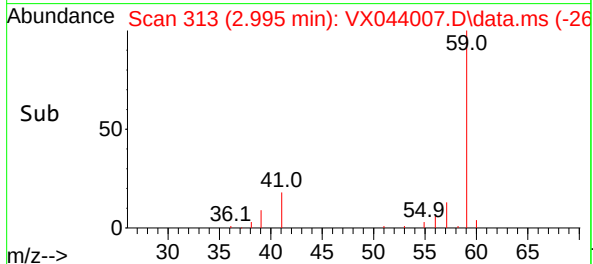
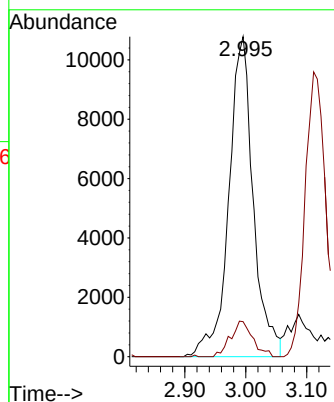
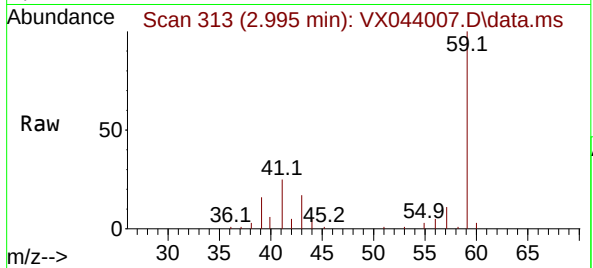




#11  
Tert butyl alcohol  
Concen: 86.450 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

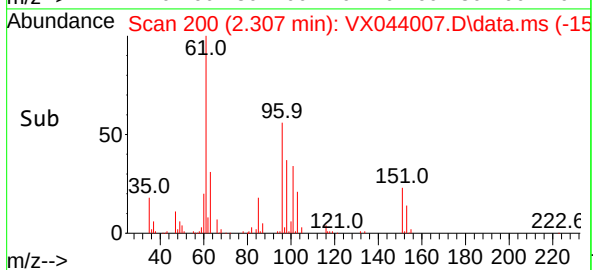
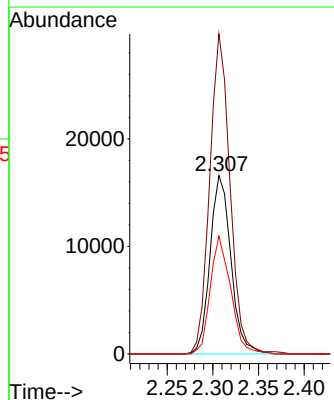
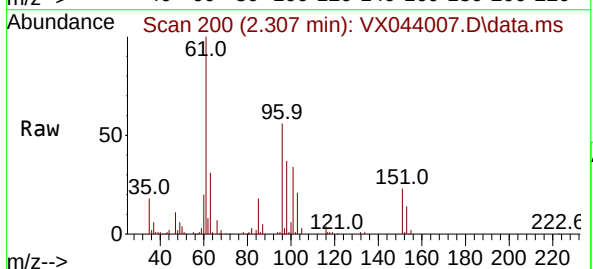
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

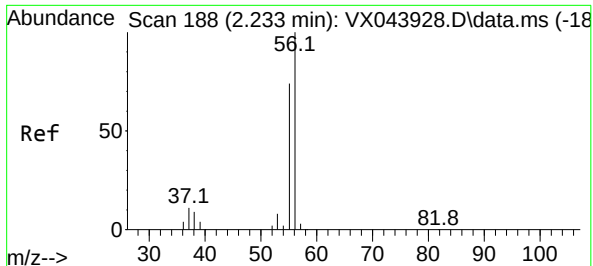
Tgt Ion: 59 Resp: 30103  
Ion Ratio Lower Upper  
59 100  
57 10.1 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 18.063 ug/l  
RT: 2.307 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 96 Resp: 26326  
Ion Ratio Lower Upper  
96 100  
61 179.3 135.5 203.3  
98 66.0 50.8 76.2





#13

Acrolein

Concen: 93.813 ug/l

RT: 2.233 min Scan# 188

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

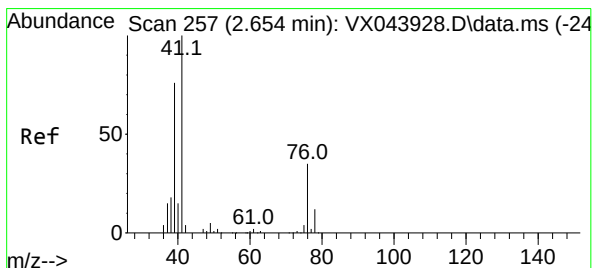
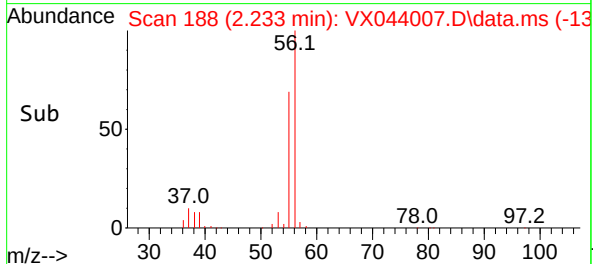
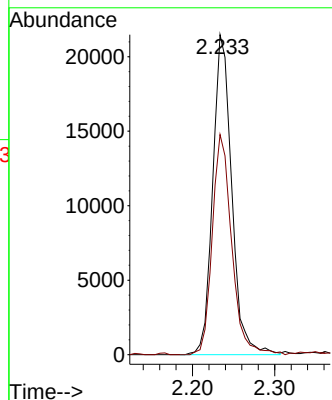
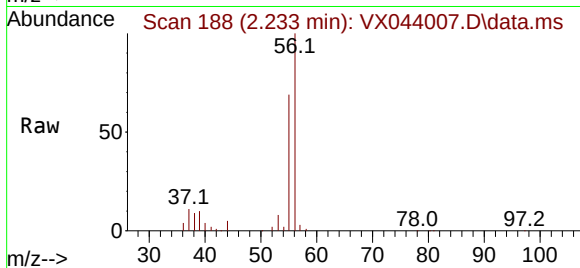
VX1126WBS01

Tgt Ion: 56 Resp: 34432

Ion Ratio Lower Upper

56 100

55 70.4 58.2 87.2



#14

Allyl chloride

Concen: 19.014 ug/l

RT: 2.654 min Scan# 257

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

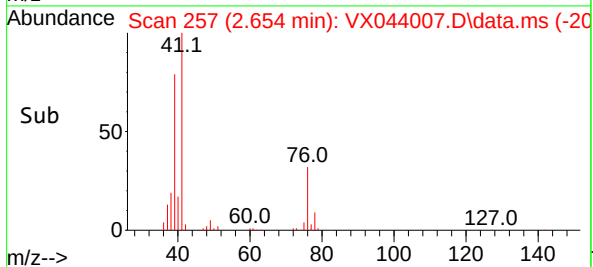
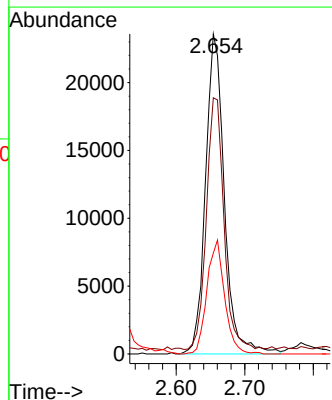
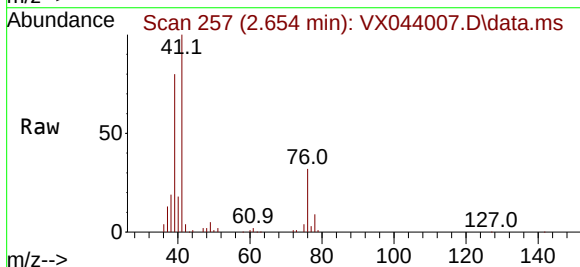
Tgt Ion: 41 Resp: 45281

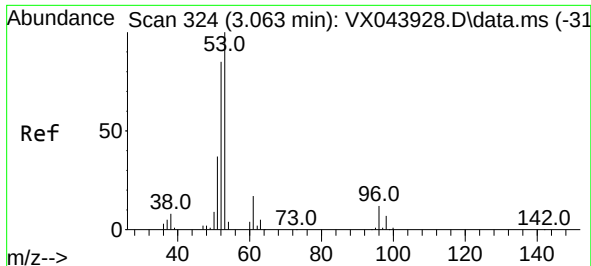
Ion Ratio Lower Upper

41 100

39 73.2 59.5 89.3

76 33.4 27.4 41.2

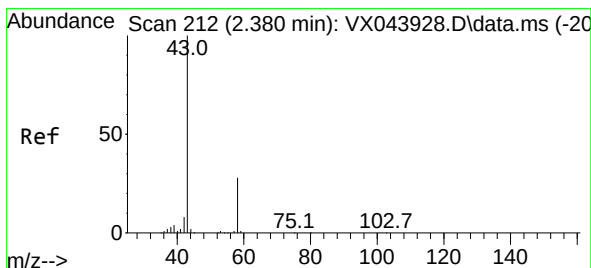
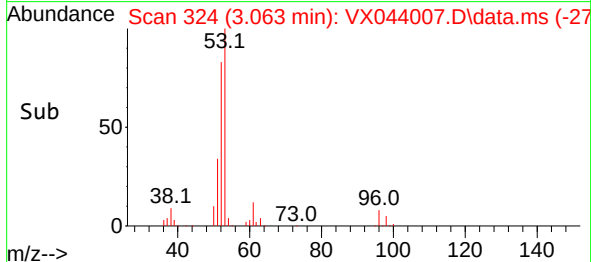
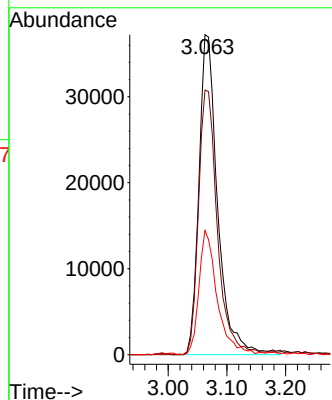
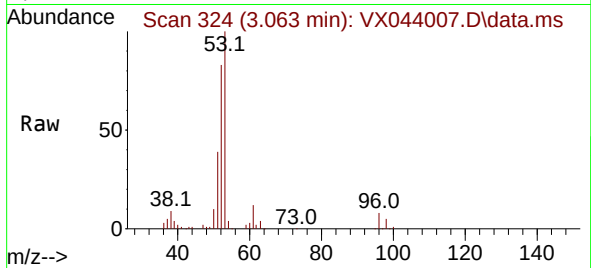




#15  
Acrylonitrile  
Concen: 97.321 ug/l  
RT: 3.063 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

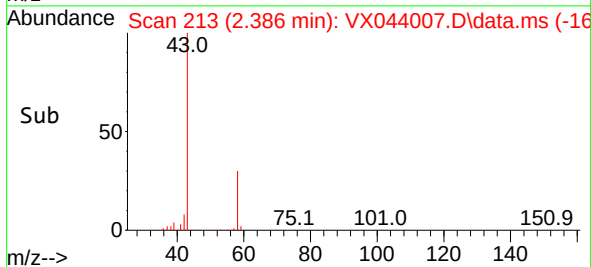
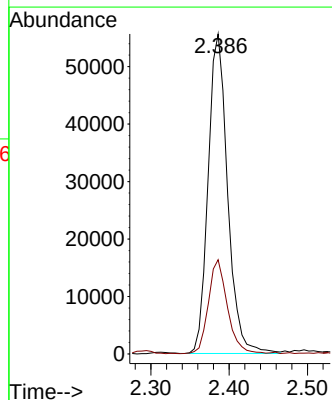
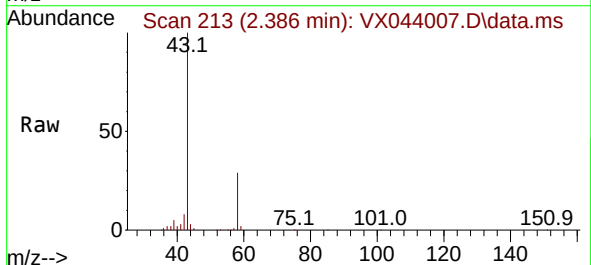
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

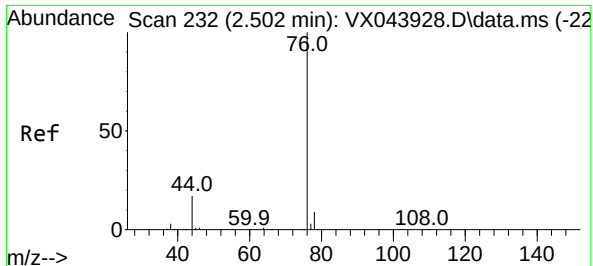
Tgt Ion: 53 Resp: 82583  
Ion Ratio Lower Upper  
53 100  
52 83.3 66.5 99.7  
51 37.9 30.2 45.4



#16  
Acetone  
Concen: 96.461 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 96113  
Ion Ratio Lower Upper  
43 100  
58 29.4 22.7 34.1

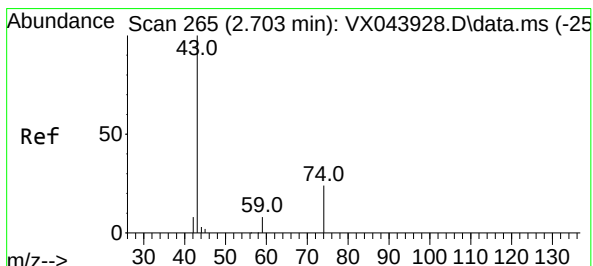
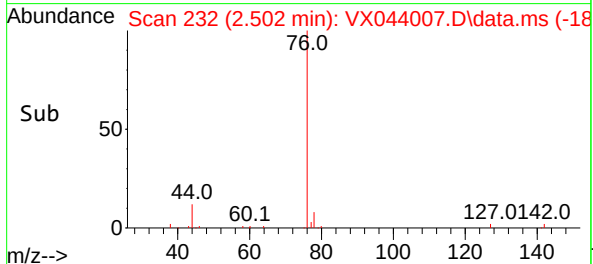
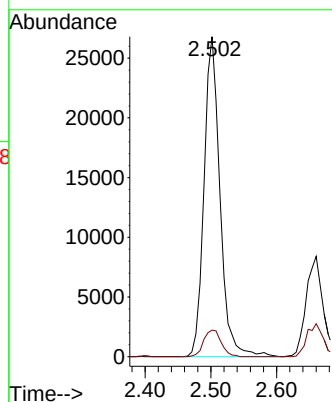
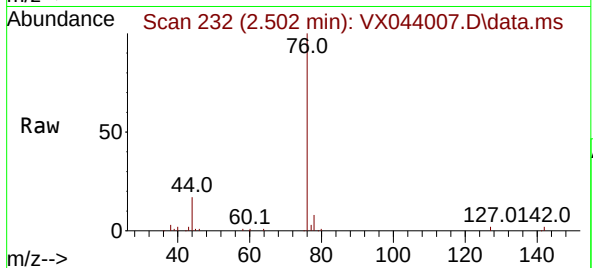




#17  
Carbon Disulfide  
Concen: 15.044 ug/l  
RT: 2.502 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

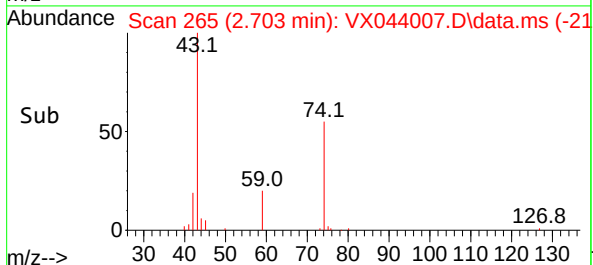
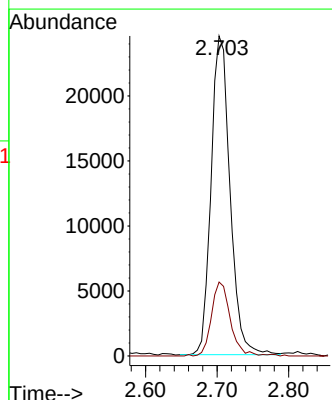
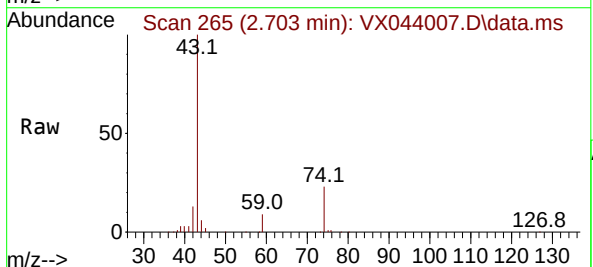
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

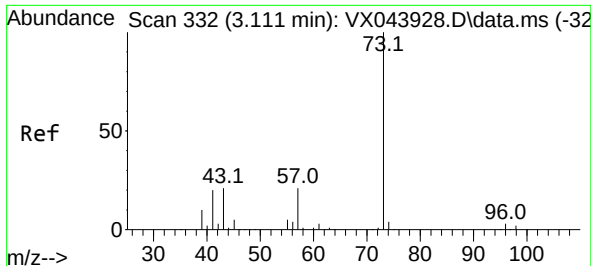
Tgt Ion: 76 Resp: 45228  
Ion Ratio Lower Upper  
76 100  
78 8.3 7.0 10.6



#18  
Methyl Acetate  
Concen: 19.432 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 45089  
Ion Ratio Lower Upper  
43 100  
74 23.1 18.9 28.3

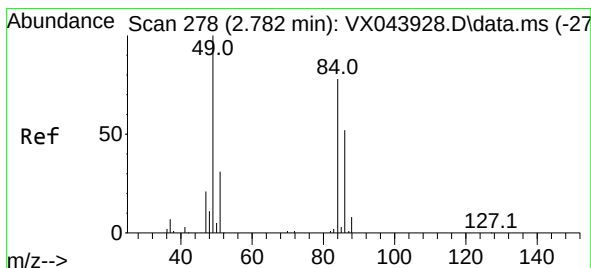
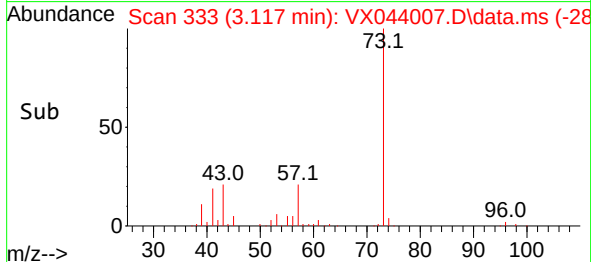
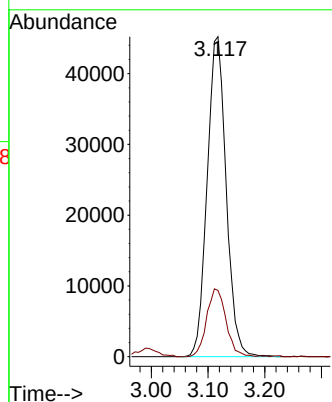
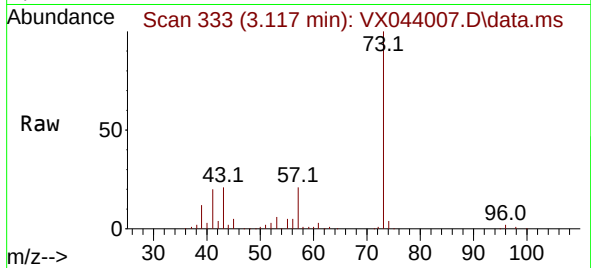




#19  
Methyl tert-butyl Ether  
Concen: 19.894 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

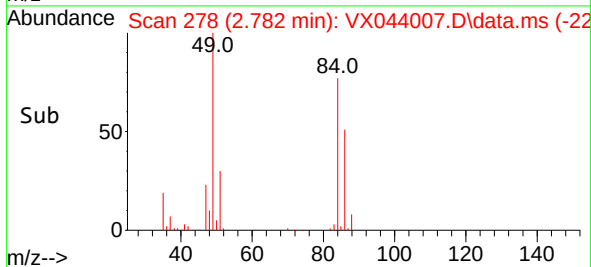
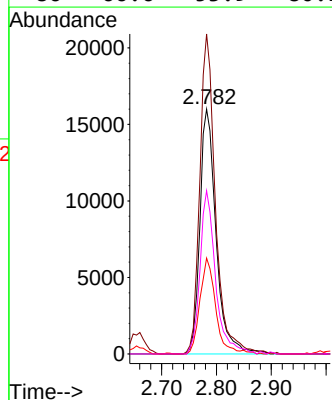
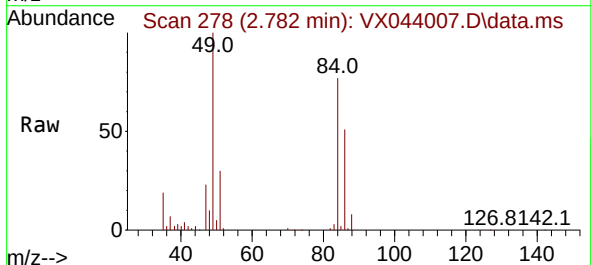
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

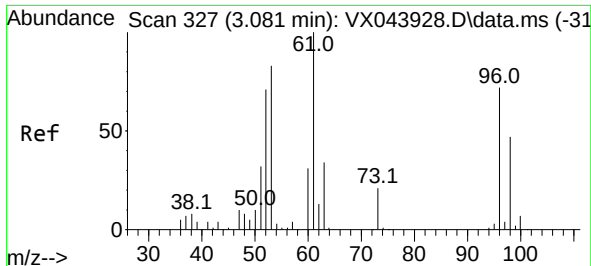
Tgt Ion: 73 Resp: 105281  
Ion Ratio Lower Upper  
73 100  
57 20.7 17.0 25.6



#20  
Methylene Chloride  
Concen: 19.479 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 84 Resp: 32937  
Ion Ratio Lower Upper  
84 100  
49 130.7 102.7 154.1  
51 39.1 31.7 47.5  
86 66.6 53.9 80.9

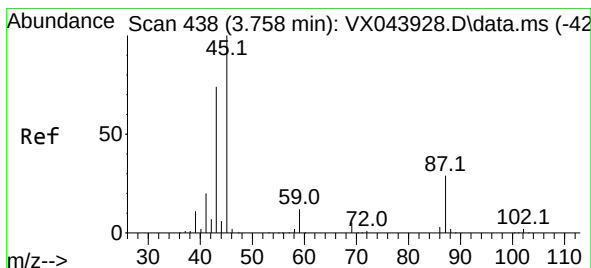
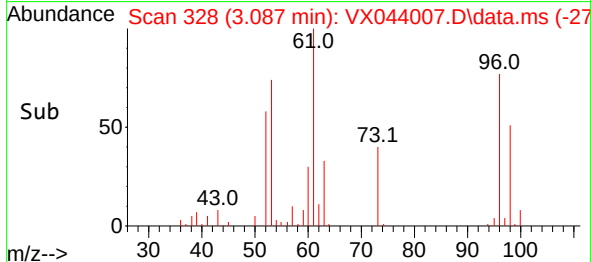
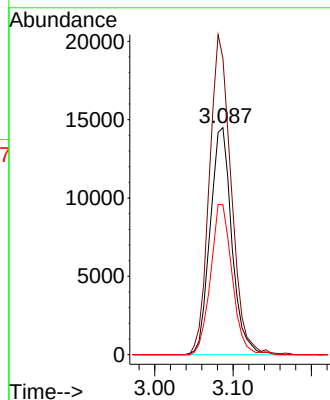
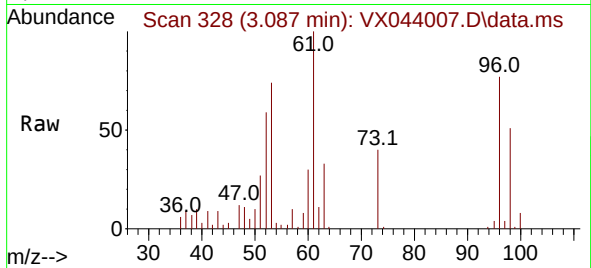




#21  
trans-1,2-Dichloroethene  
Concen: 18.501 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

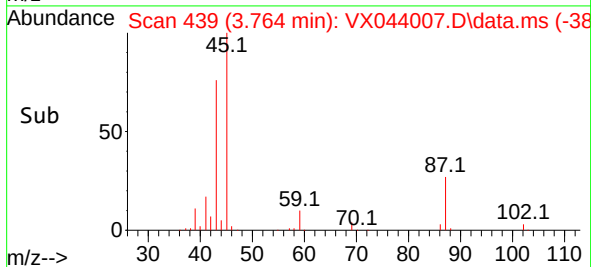
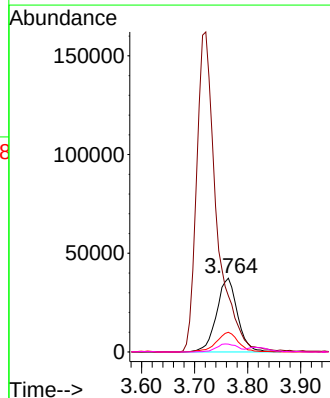
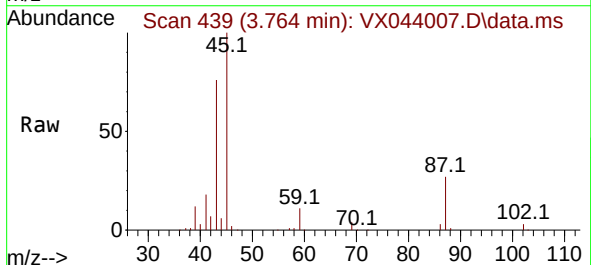
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

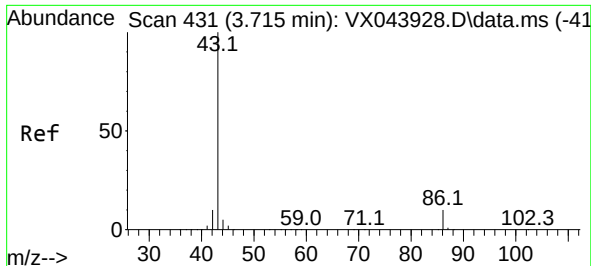
Tgt Ion: 96 Resp: 27839  
Ion Ratio Lower Upper  
96 100  
61 130.7 111.8 167.6  
98 66.1 52.7 79.1



#22  
Diisopropyl ether  
Concen: 20.144 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 45 Resp: 102578  
Ion Ratio Lower Upper  
45 100  
43 76.2 59.6 89.4  
87 26.6 22.9 34.3  
59 10.6 9.8 14.6

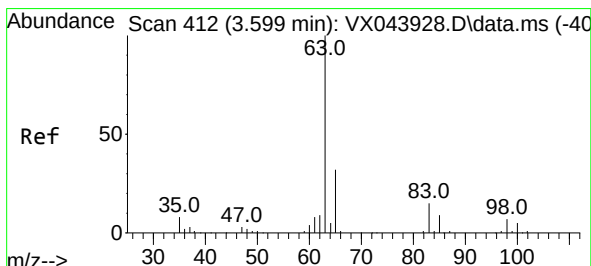
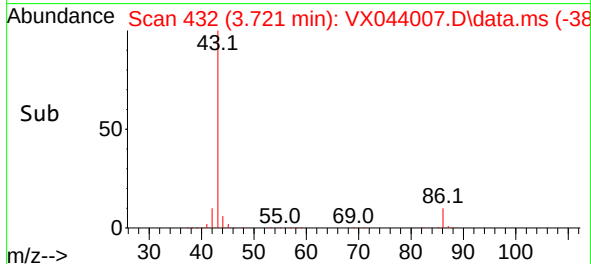
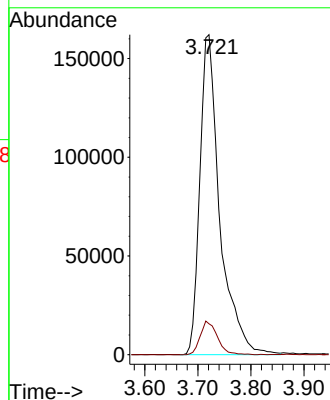
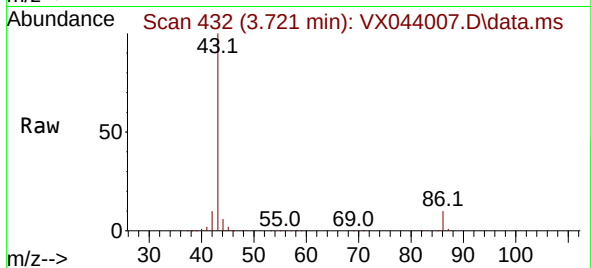




#23  
 Vinyl Acetate  
 Concen: 97.282 ug/l  
 RT: 3.721 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

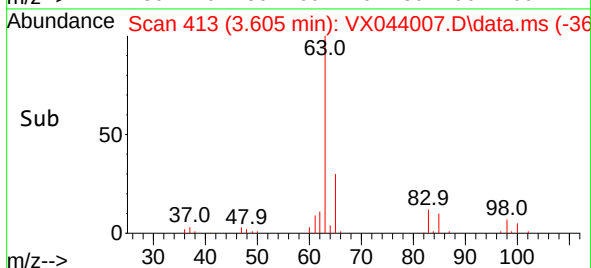
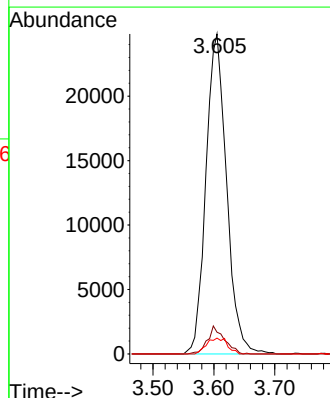
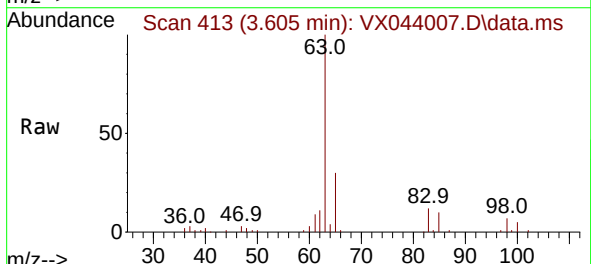
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

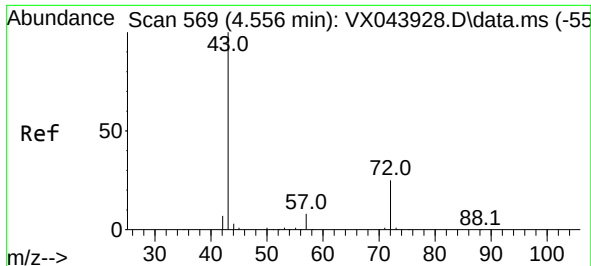
Tgt Ion: 43 Resp: 423782  
 Ion Ratio Lower Upper  
 43 100  
 86 9.7 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 19.922 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

Tgt Ion: 63 Resp: 58526  
 Ion Ratio Lower Upper  
 63 100  
 98 6.8 3.5 10.6  
 100 4.9 2.4 7.1

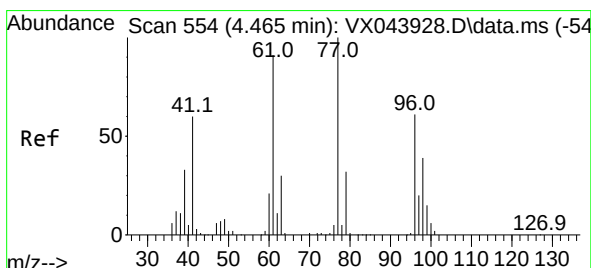
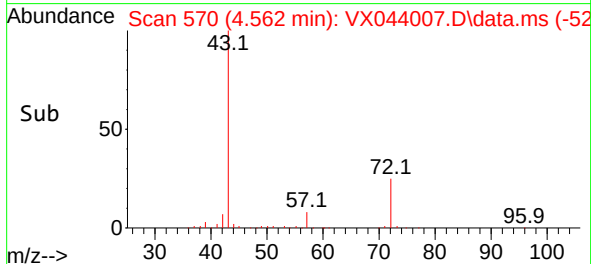
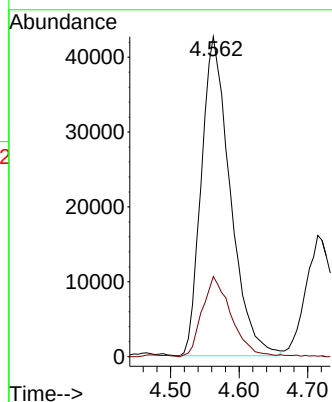
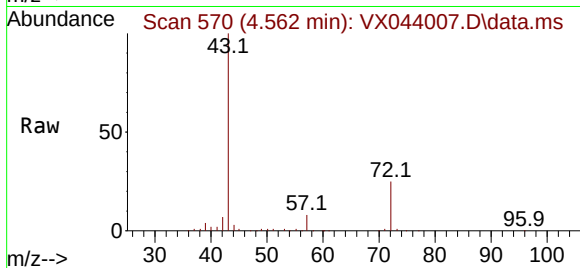




#25  
2-Butanone  
Concen: 97.100 ug/l  
RT: 4.562 min Scan# 51  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

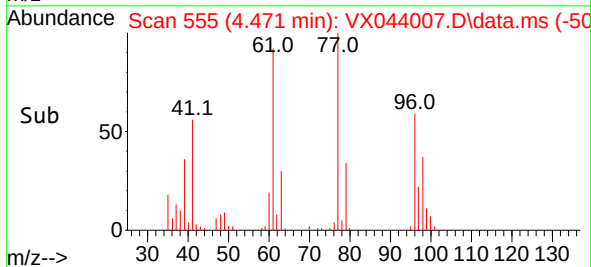
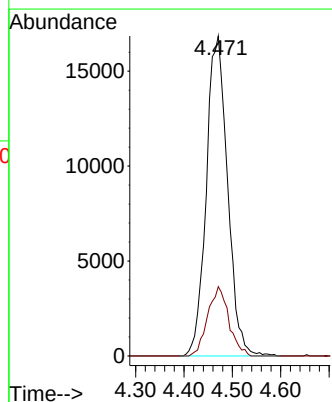
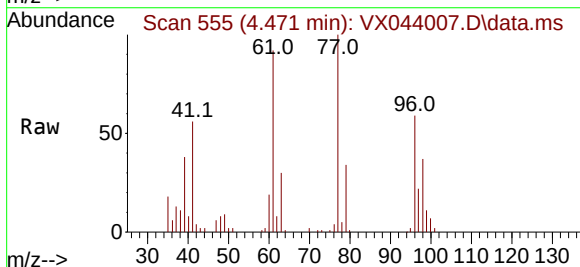
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion: 43 Resp: 124838  
Ion Ratio Lower Upper  
43 100  
72 25.1 20.2 30.2

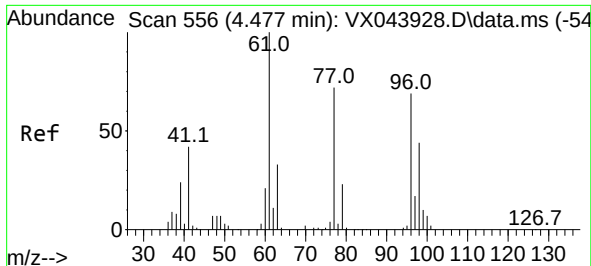


#26  
2,2-Dichloropropane  
Concen: 19.402 ug/l  
RT: 4.471 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 77 Resp: 51476  
Ion Ratio Lower Upper  
77 100  
97 21.5 10.8 32.3







#27

cis-1,2-Dichloroethene

Concen: 19.349 ug/l

RT: 4.477 min Scan# 556

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

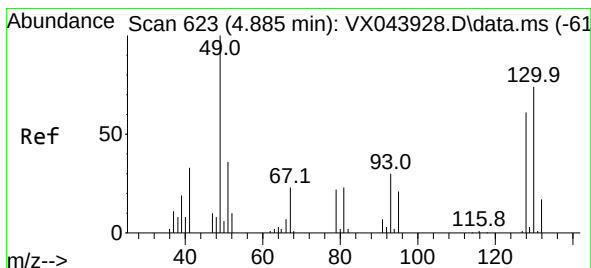
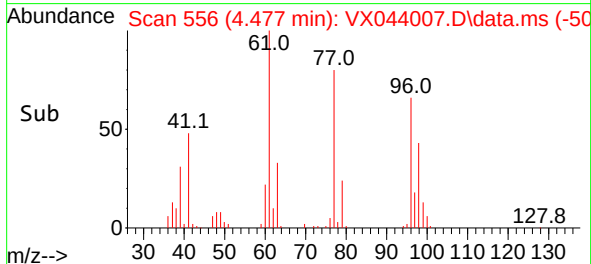
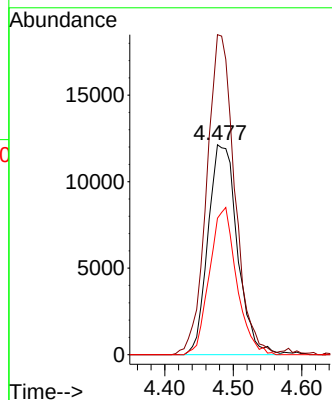
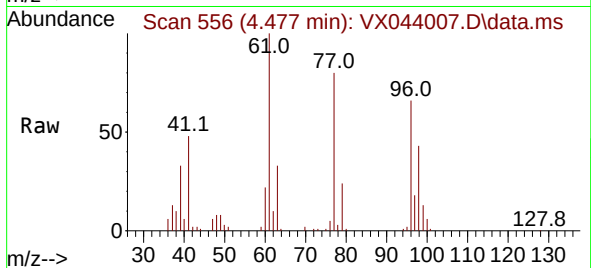
Tgt Ion: 96 Resp: 35989

Ion Ratio Lower Upper

96 100

61 145.9 0.0 297.4

98 64.9 0.0 127.8



#28

Bromochloromethane

Concen: 19.112 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

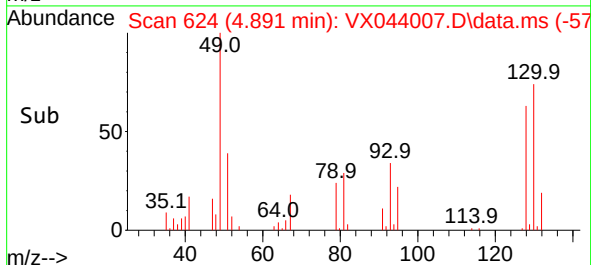
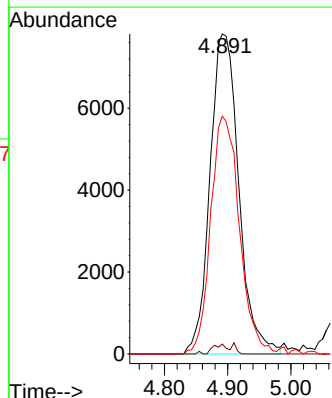
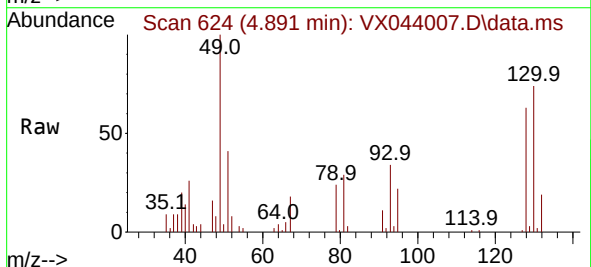
Tgt Ion: 49 Resp: 24714

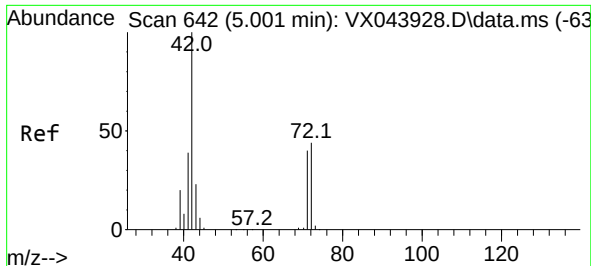
Ion Ratio Lower Upper

49 100

129 1.5 0.0 4.0

130 73.7 59.0 88.6

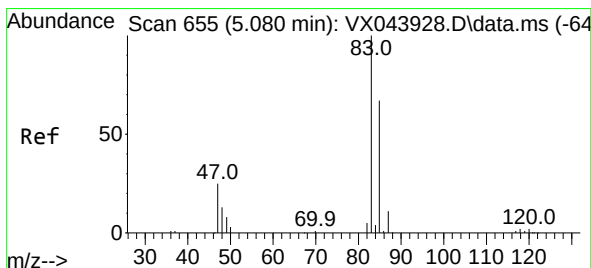
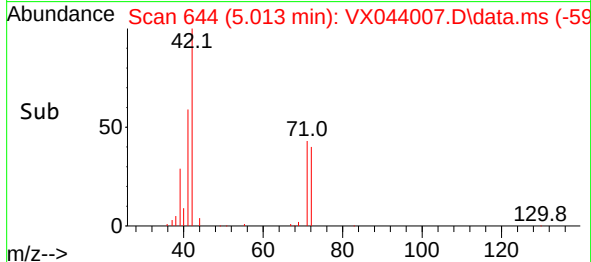
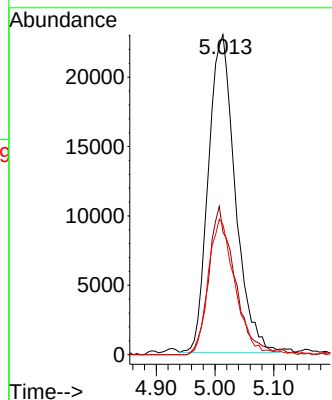
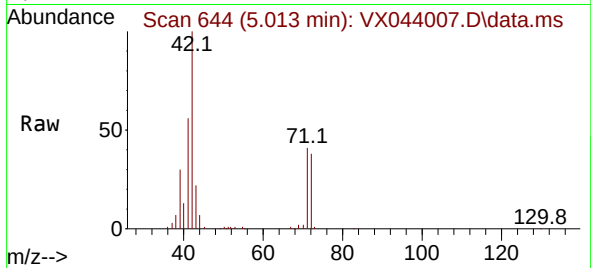




#29  
Tetrahydrofuran  
Concen: 92.239 ug/l  
RT: 5.013 min Scan# 64  
Delta R.T. 0.012 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

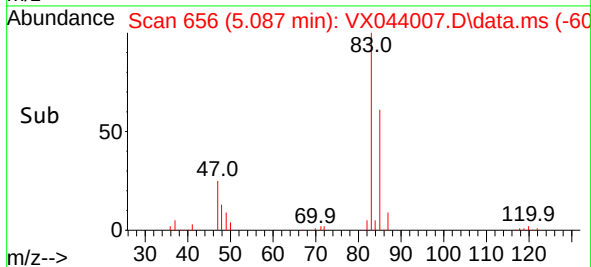
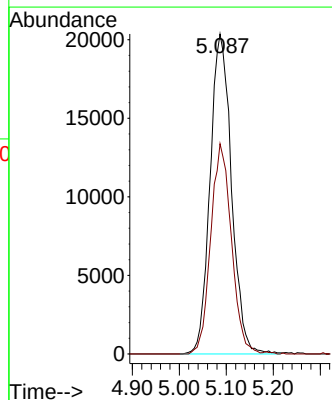
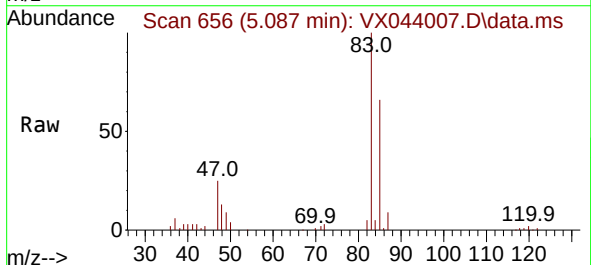
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

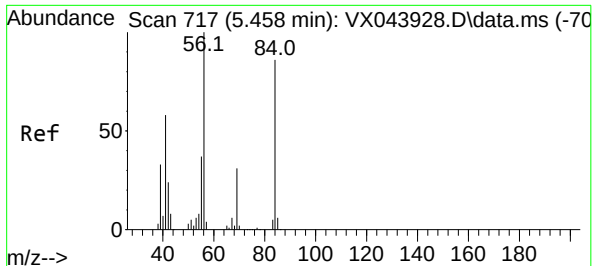
Tgt Ion: 42 Resp: 72702  
Ion Ratio Lower Upper  
42 100  
72 44.9 36.4 54.6  
71 42.7 33.4 50.0



#30  
Chloroform  
Concen: 20.383 ug/l  
RT: 5.087 min Scan# 656  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 83 Resp: 64403  
Ion Ratio Lower Upper  
83 100  
85 65.7 53.5 80.3

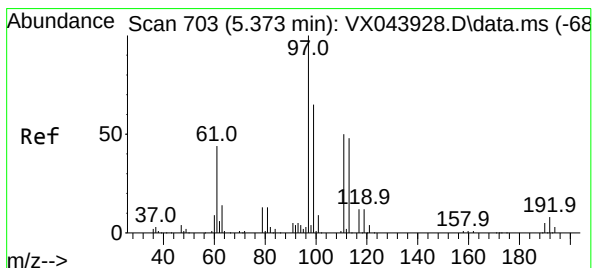
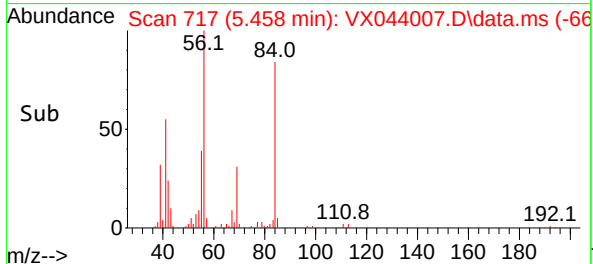
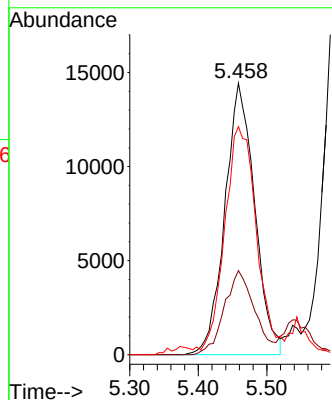
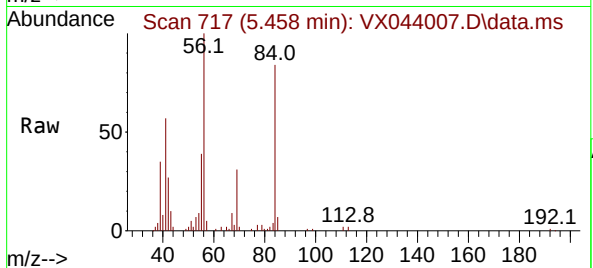




#31  
Cyclohexane  
Concen: 18.001 ug/l  
RT: 5.458 min Scan# 717  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

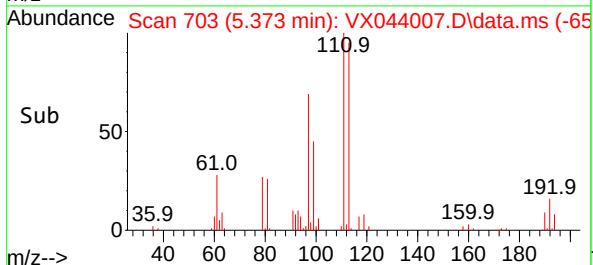
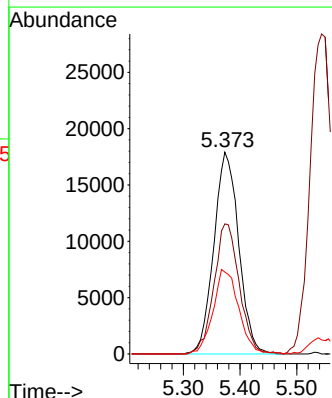
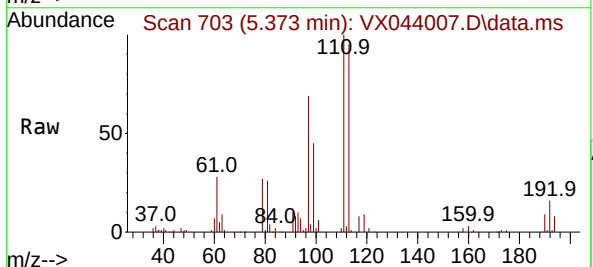
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

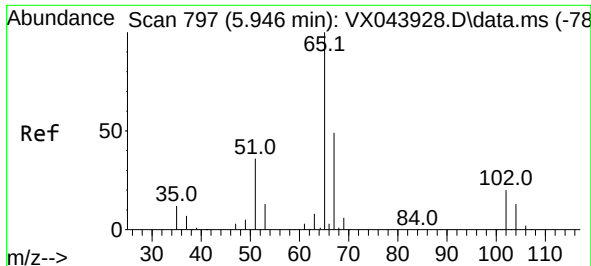
Tgt Ion: 56 Resp: 43524  
Ion Ratio Lower Upper  
56 100  
69 30.9 24.7 37.1  
84 81.0 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 20.055 ug/l  
RT: 5.373 min Scan# 703  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 97 Resp: 54646  
Ion Ratio Lower Upper  
97 100  
99 65.5 50.8 76.2  
61 43.2 35.4 53.2

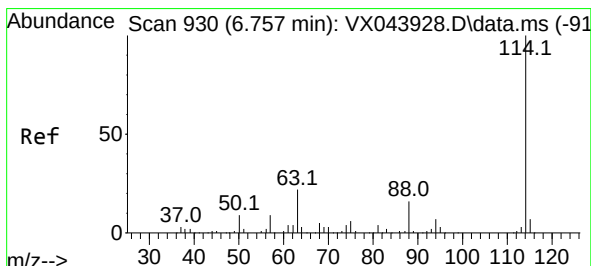
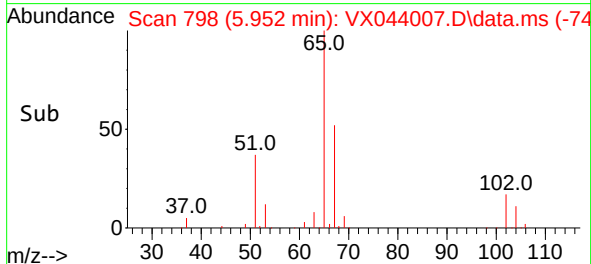
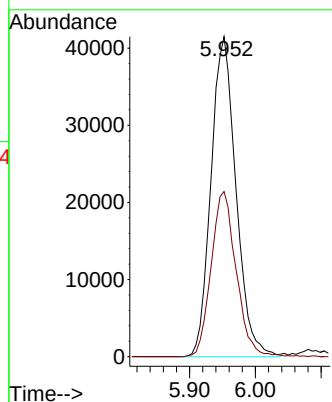
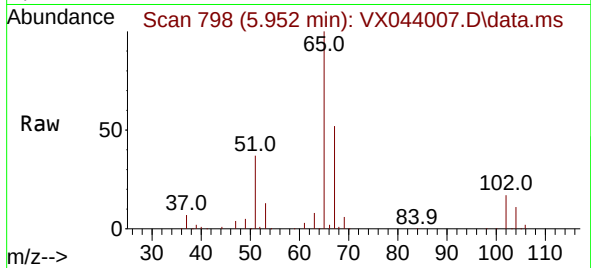




#33  
 1,2-Dichloroethane-d4  
 Concen: 50.526 ug/l  
 RT: 5.952 min Scan# 797  
 Delta R.T. 0.006 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

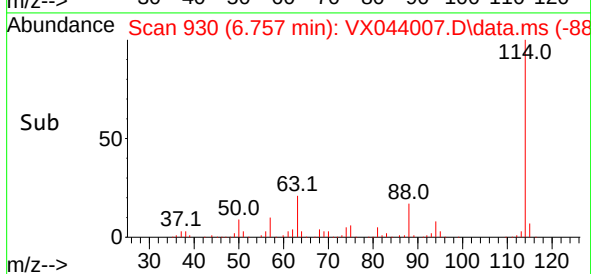
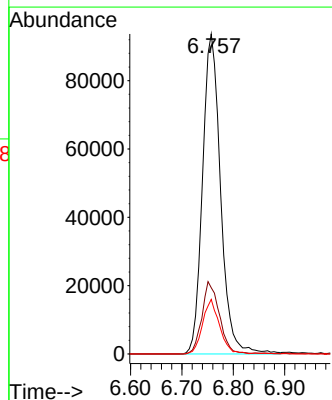
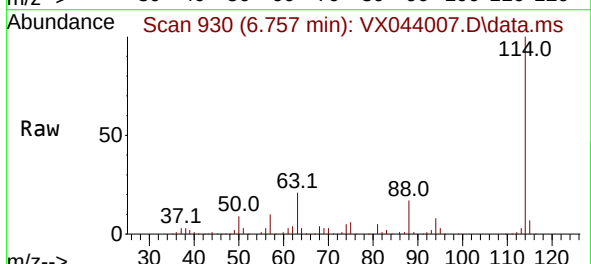
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

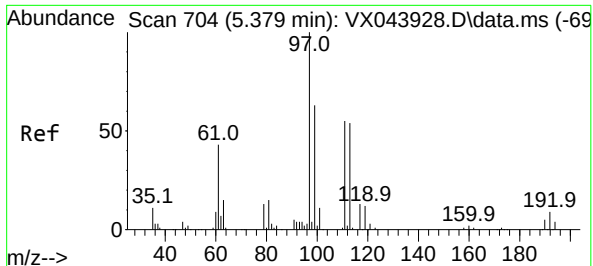
Tgt Ion: 65 Resp: 109611  
 Ion Ratio Lower Upper  
 65 100  
 67 51.8 0.0 100.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 6.757 min Scan# 930  
 Delta R.T. -0.000 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

Tgt Ion: 114 Resp: 228899  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 44.0  
 88 17.1 0.0 32.4

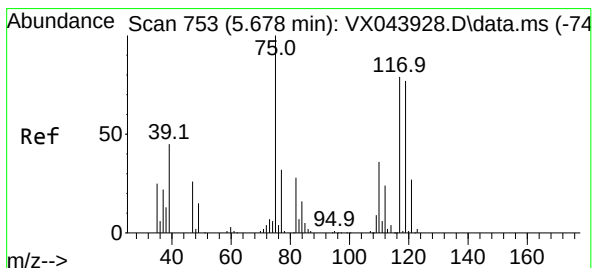
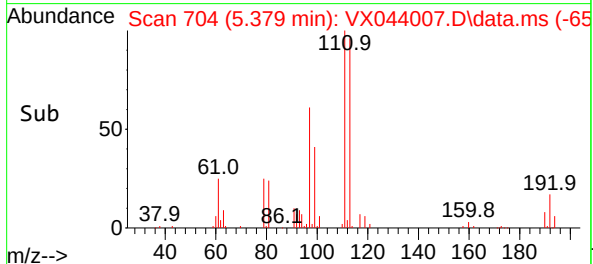
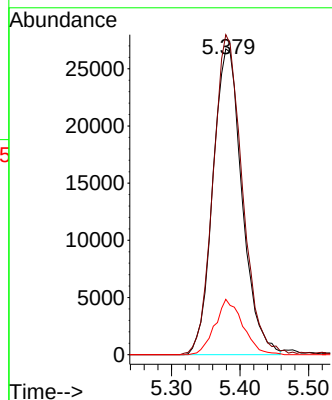
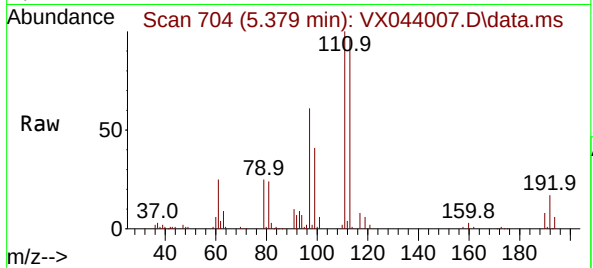




#35  
Dibromofluoromethane  
Concen: 48.405 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

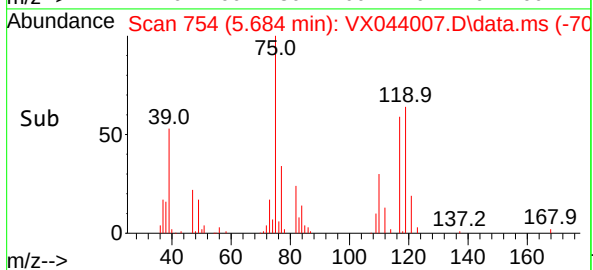
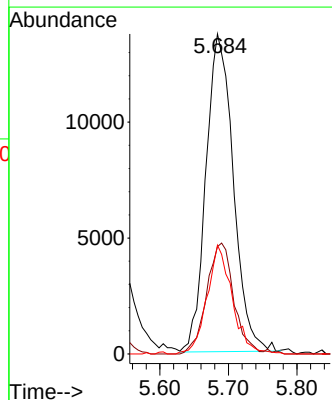
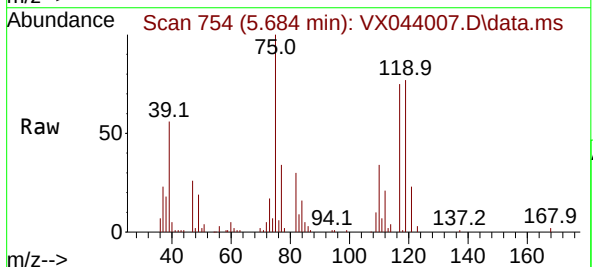
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

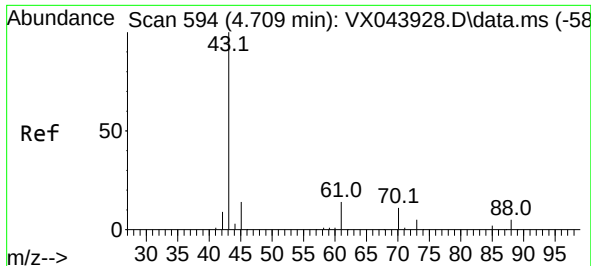
Tgt Ion:113 Resp: 79171  
Ion Ratio Lower Upper  
113 100  
111 104.6 81.0 121.4  
192 17.3 13.0 19.6



#36  
1,1-Dichloropropene  
Concen: 18.700 ug/l  
RT: 5.684 min Scan# 754  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 38113  
Ion Ratio Lower Upper  
75 100  
110 34.5 17.4 52.2  
77 31.5 25.8 38.8





#37

Ethyl Acetate

Concen: 18.532 ug/l

RT: 4.715 min Scan# 594

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

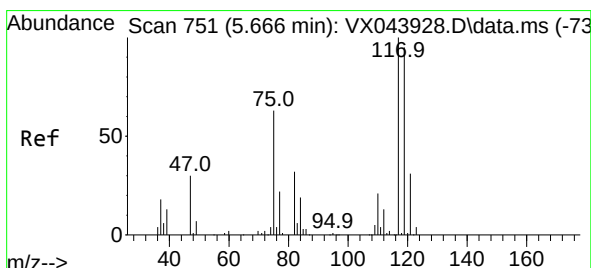
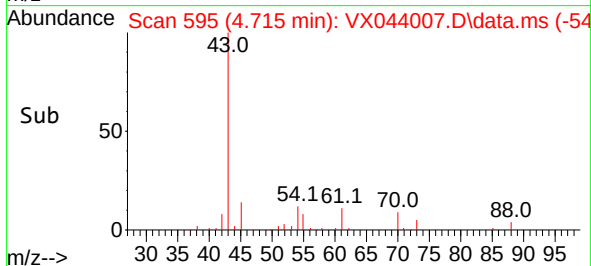
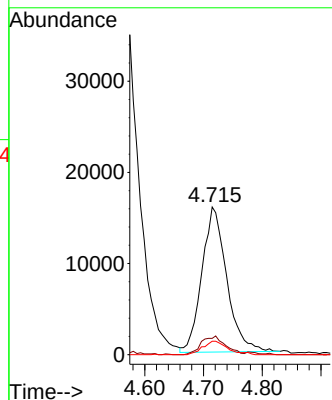
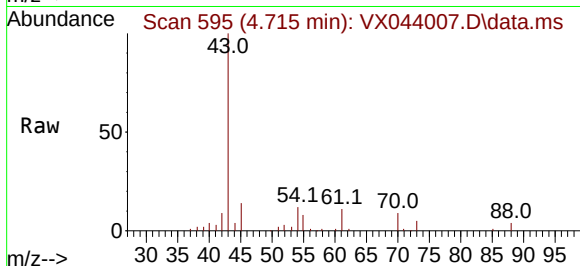
Tgt Ion: 43 Resp: 46886

Ion Ratio Lower Upper

43 100

61 12.4 10.7 16.1

70 9.2 8.0 12.0



#38

Carbon Tetrachloride

Concen: 18.046 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

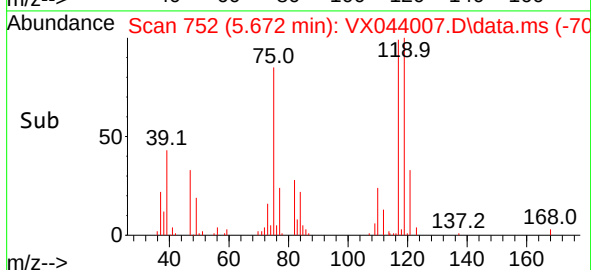
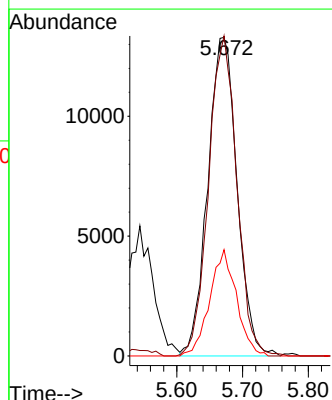
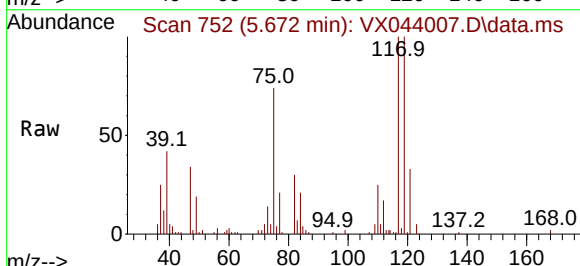
Tgt Ion: 117 Resp: 41327

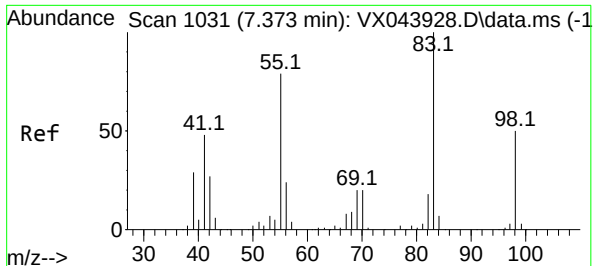
Ion Ratio Lower Upper

117 100

119 100.0 75.2 112.8

121 33.3 24.5 36.7





#39

Methylcyclohexane

Concen: 17.334 ug/l

RT: 7.379 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

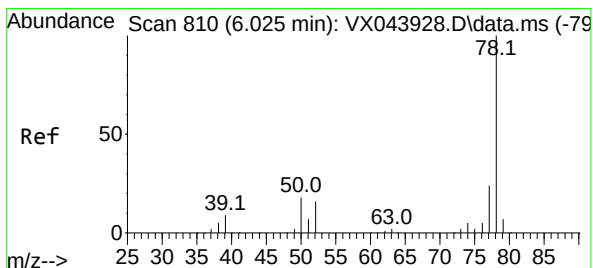
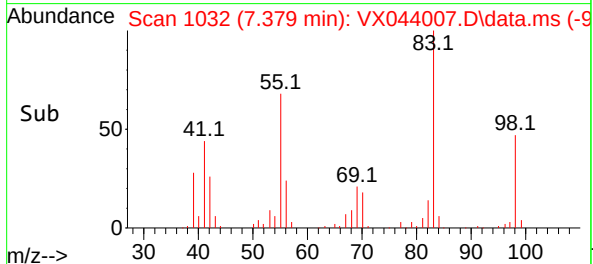
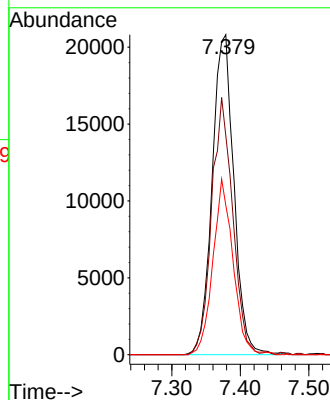
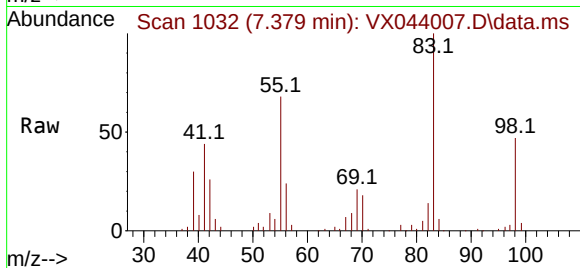
Tgt Ion: 83 Resp: 45898

Ion Ratio Lower Upper

83 100

55 68.4 63.1 94.7

98 46.6 40.0 60.0



#40

Benzene

Concen: 19.371 ug/l

RT: 6.032 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044007.D

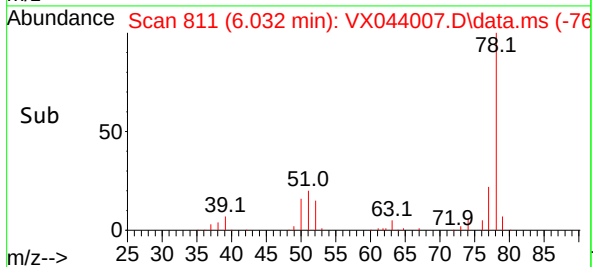
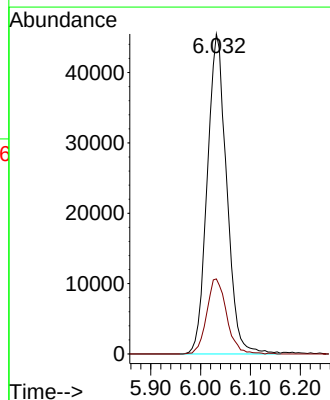
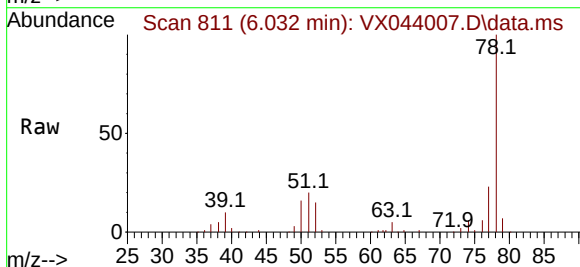
Acq: 26 Nov 2024 11:17

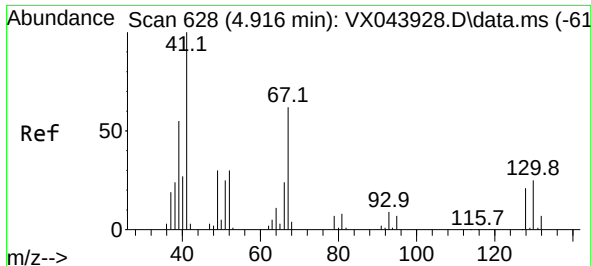
Tgt Ion: 78 Resp: 122979

Ion Ratio Lower Upper

78 100

77 23.5 19.2 28.8

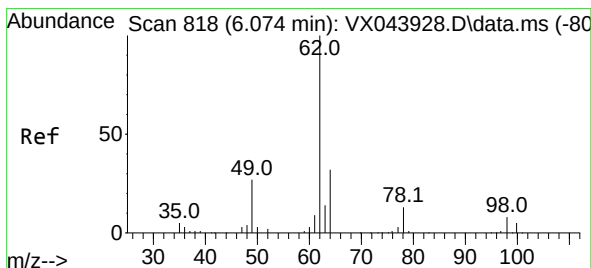
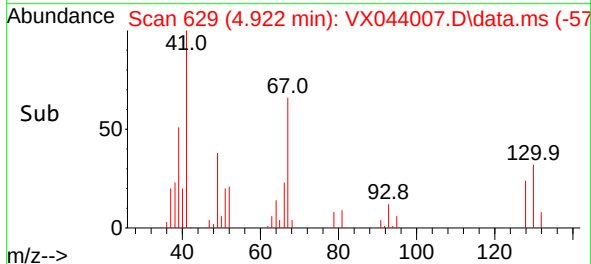
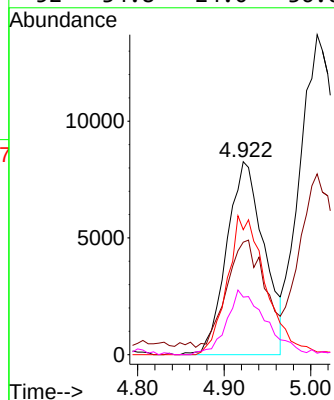
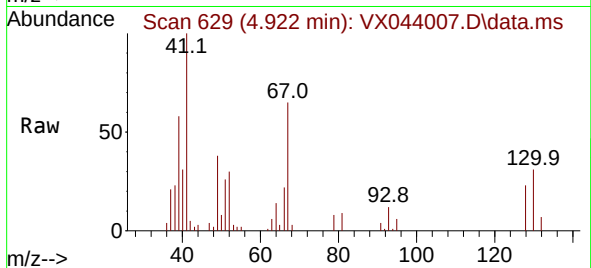




#41  
Methacrylonitrile  
Concen: 19.116 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

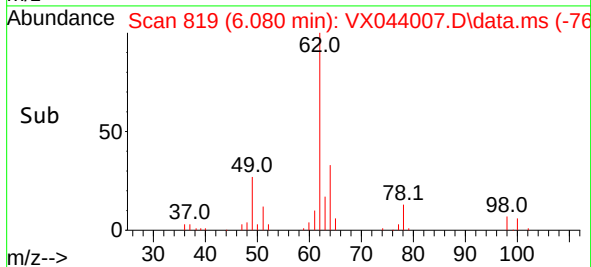
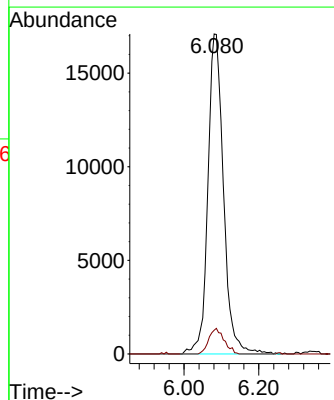
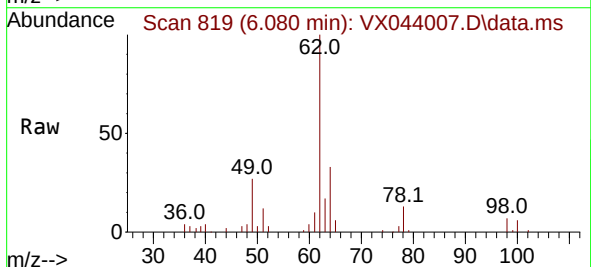
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 24753 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 56.7  | 41.7  | 62.5  |
| 67       | 74.5  | 55.8  | 83.8  |
| 52       | 34.8  | 24.0  | 36.0  |

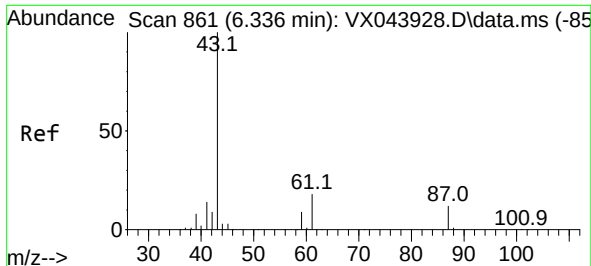


#42  
1,2-Dichloroethane  
Concen: 19.425 ug/l  
RT: 6.080 min Scan# 819  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 62    | Resp: | 49529 |
| Ion      | Ratio | Lower | Upper |
| 62       | 100   |       |       |
| 98       | 7.8   | 0.0   | 16.4  |







#43

Isopropyl Acetate

Concen: 19.307 ug/l

RT: 6.342 min Scan# 861

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

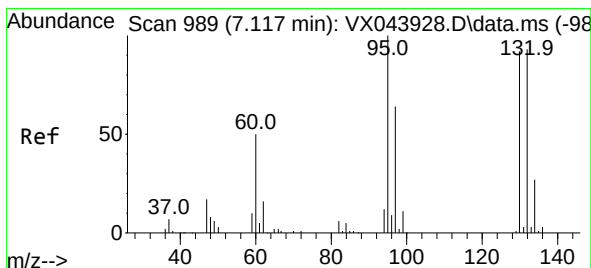
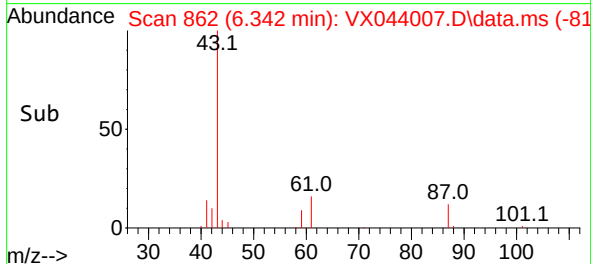
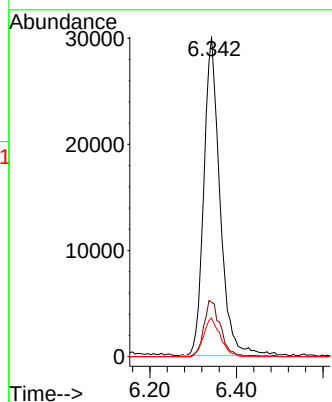
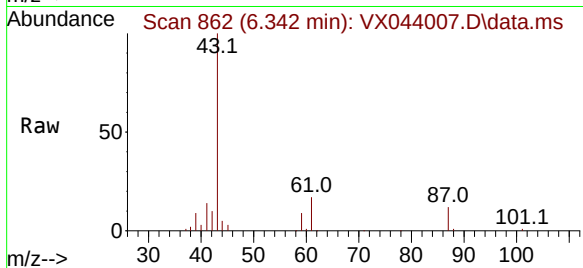
Tgt Ion: 43 Resp: 77739

Ion Ratio Lower Upper

43 100

61 18.0 14.5 21.7

87 12.4 10.2 15.2



#44

Trichloroethene

Concen: 17.152 ug/l

RT: 7.117 min Scan# 989

Delta R.T. 0.000 min

Lab File: VX044007.D

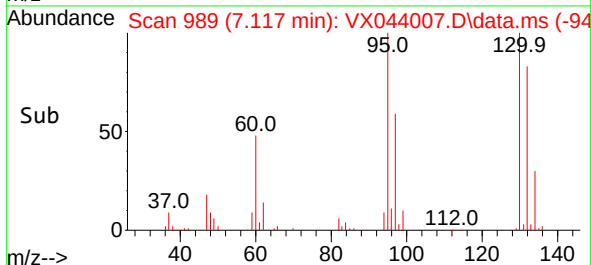
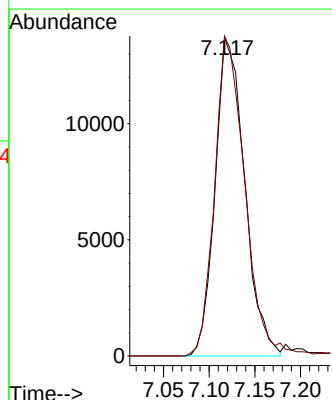
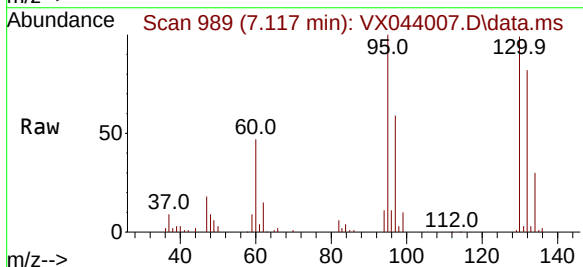
Acq: 26 Nov 2024 11:17

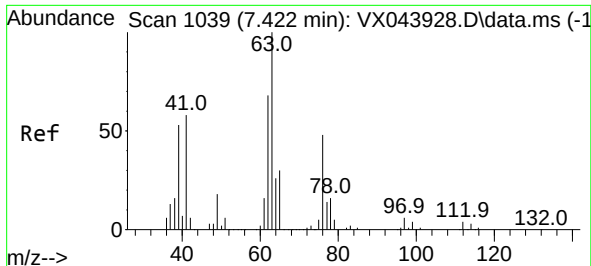
Tgt Ion:130 Resp: 30827

Ion Ratio Lower Upper

130 100

95 100.6 0.0 217.8





#45

1,2-Dichloropropane

Concen: 20.023 ug/l

RT: 7.428 min Scan# 1039

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

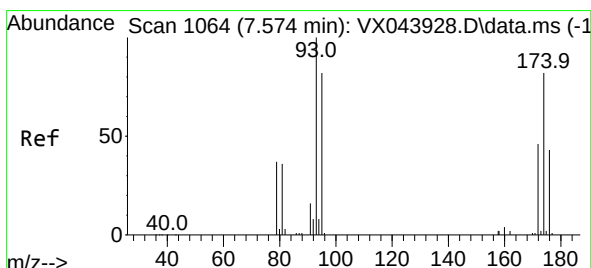
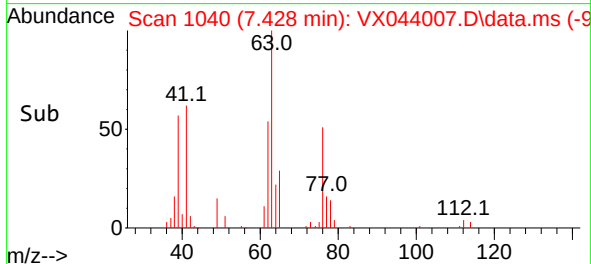
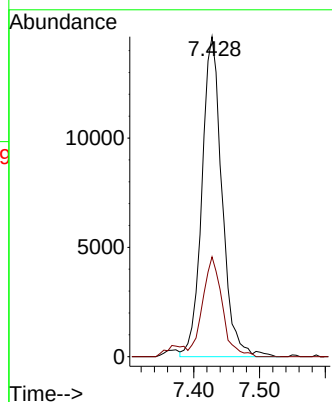
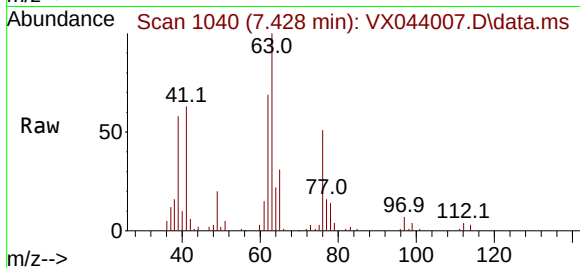
VX1126WBS01

Tgt Ion: 63 Resp: 31135

Ion Ratio Lower Upper

63 100

65 31.2 23.8 35.6



#46

Dibromomethane

Concen: 20.022 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

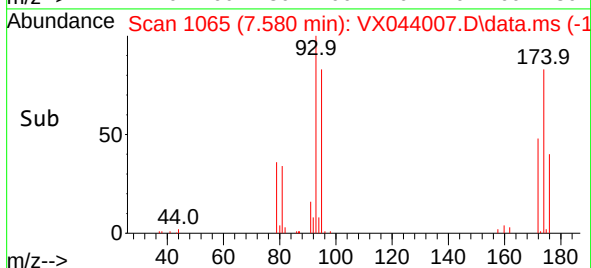
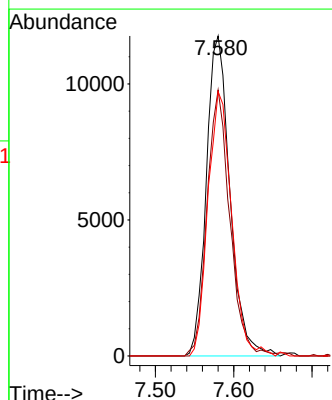
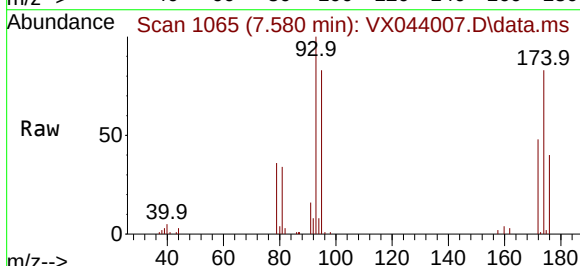
Tgt Ion: 93 Resp: 24627

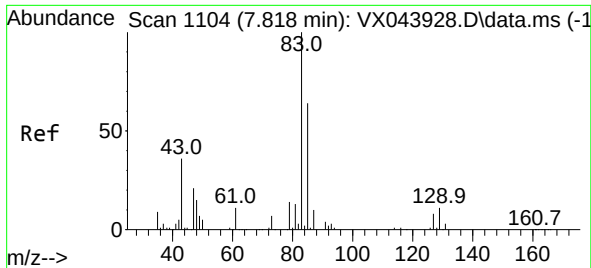
Ion Ratio Lower Upper

93 100

95 80.1 66.2 99.4

174 82.6 69.6 104.4

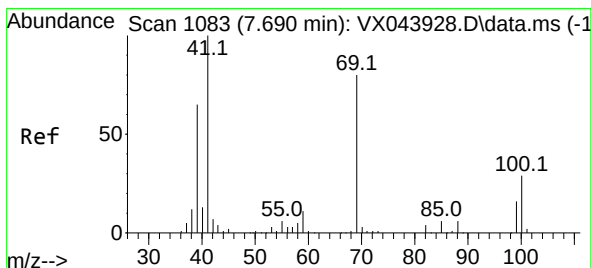
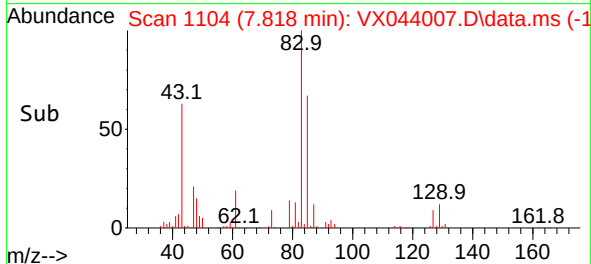
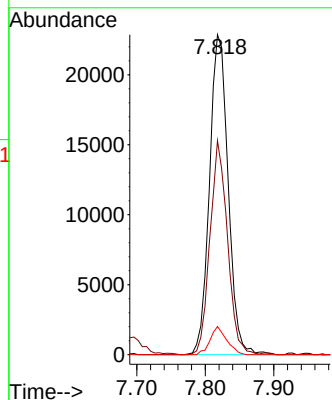
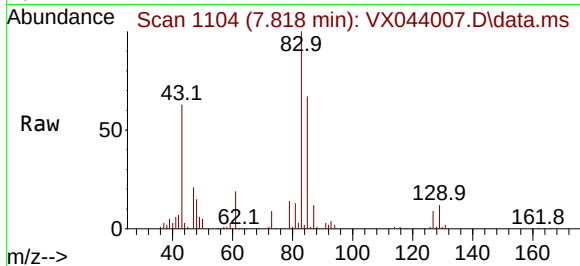




#47  
Bromodichloromethane  
Concen: 19.598 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

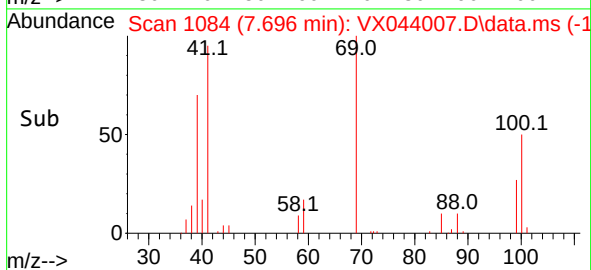
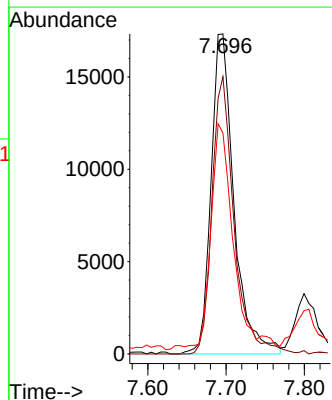
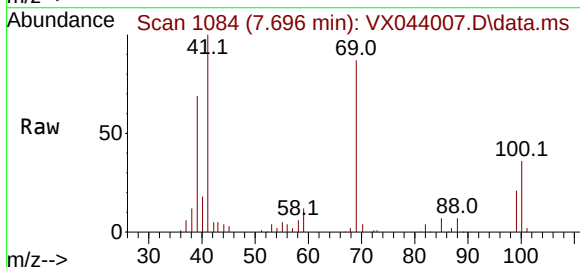
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

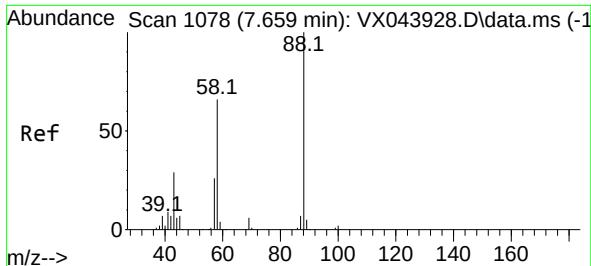
|             |             |
|-------------|-------------|
| Tgt Ion: 83 | Resp: 43234 |
| Ion Ratio   | Lower Upper |
| 83 100      |             |
| 85 66.9     | 51.4 77.0   |
| 127 8.8     | 6.6 10.0    |



#48  
Methyl methacrylate  
Concen: 18.221 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

|             |             |
|-------------|-------------|
| Tgt Ion: 41 | Resp: 35204 |
| Ion Ratio   | Lower Upper |
| 41 100      |             |
| 69 83.5     | 64.6 97.0   |
| 39 65.8     | 53.3 79.9   |





#49

1,4-Dioxane

Concen: 312.828 ug/l

RT: 7.665 min Scan# 110

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

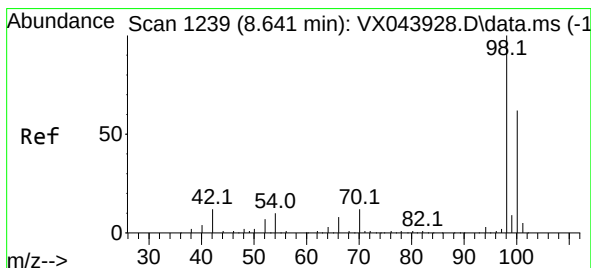
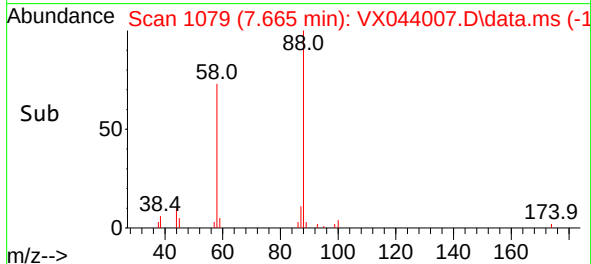
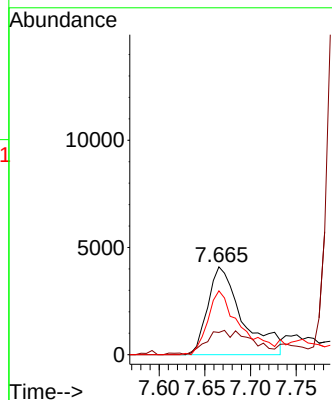
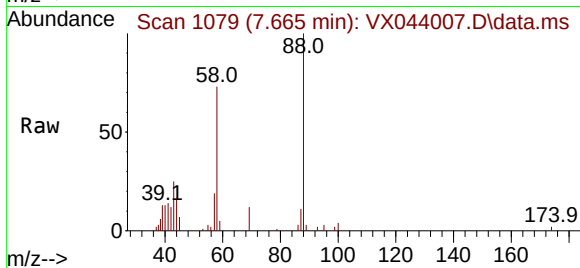
Tgt Ion: 88 Resp: 10766

Ion Ratio Lower Upper

88 100

43 35.9 26.8 40.2

58 67.7 45.4 68.2



#50

Toluene-d8

Concen: 49.197 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044007.D

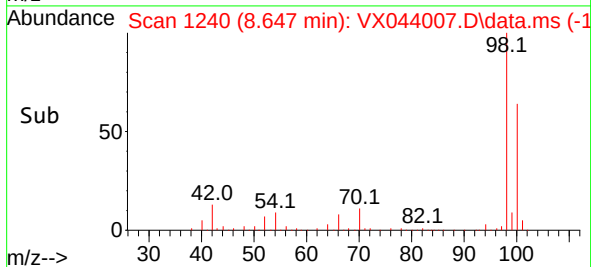
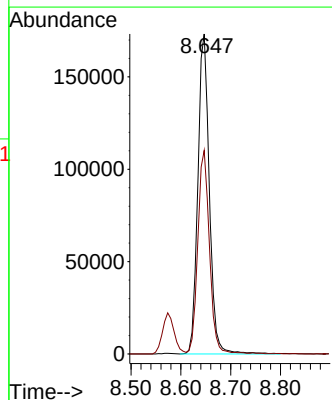
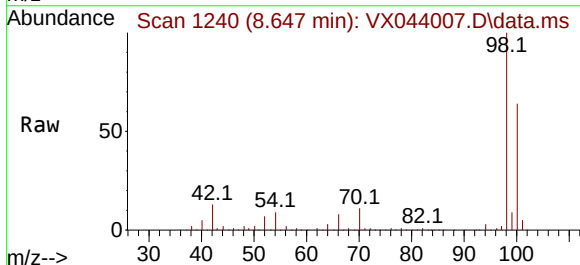
Acq: 26 Nov 2024 11:17

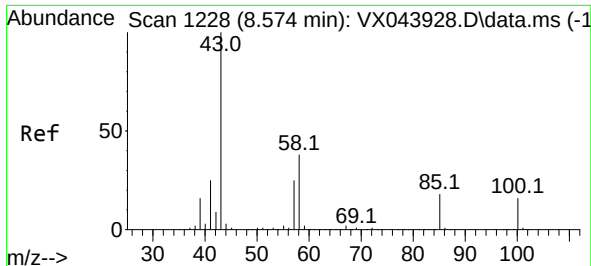
Tgt Ion: 98 Resp: 277374

Ion Ratio Lower Upper

98 100

100 63.8 52.6 79.0

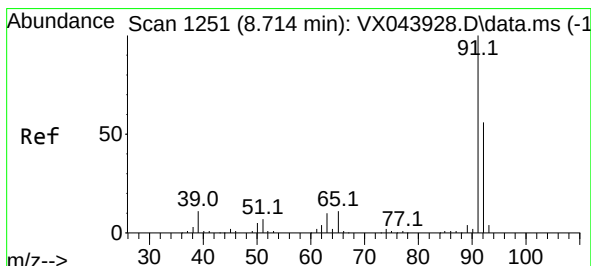
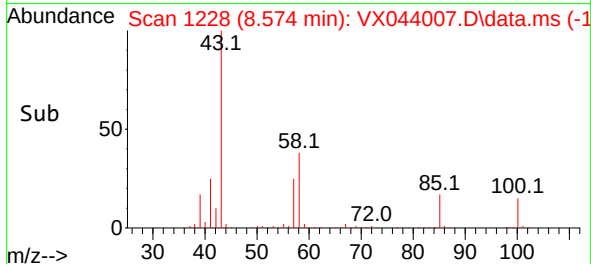
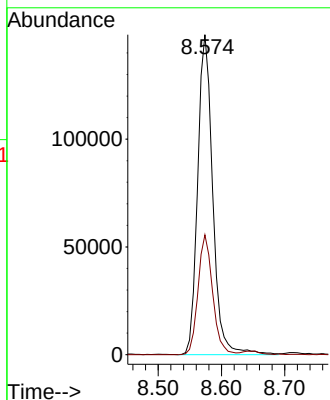
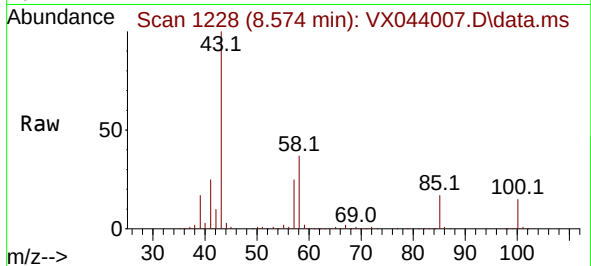




#51  
4-Methyl-2-Pentanone  
Concen: 100.516 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

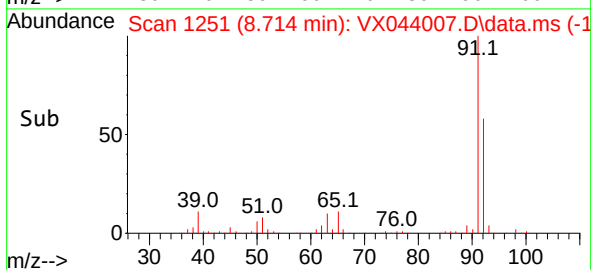
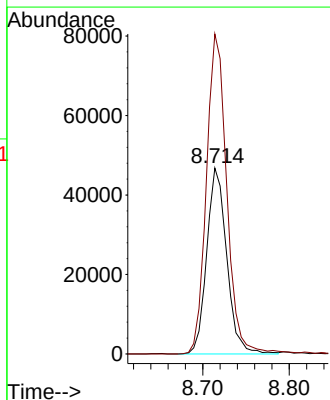
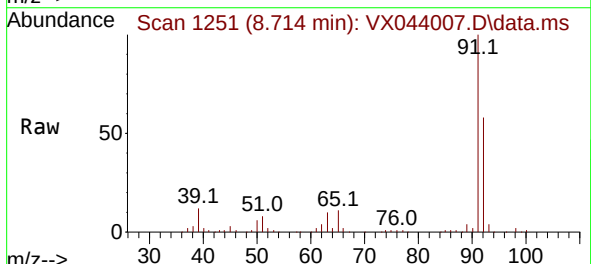
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

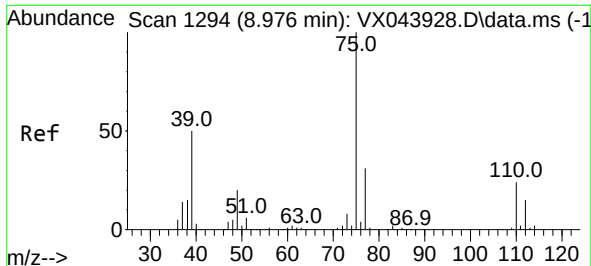
Tgt Ion: 43 Resp: 246977  
Ion Ratio Lower Upper  
43 100  
58 36.2 30.0 45.0



#52  
Toluene  
Concen: 19.767 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 92 Resp: 75111  
Ion Ratio Lower Upper  
92 100  
91 175.4 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 19.090 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

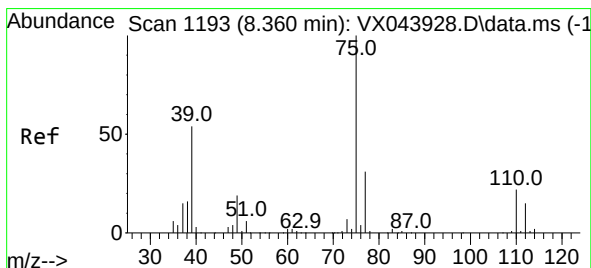
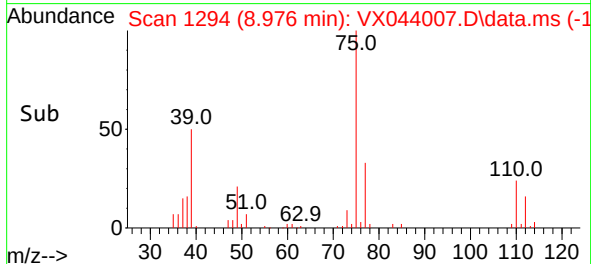
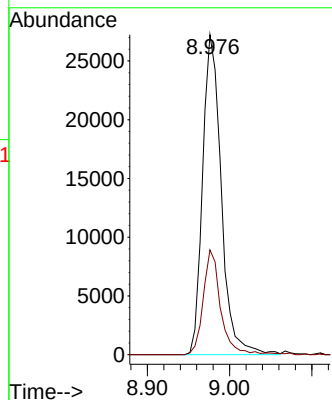
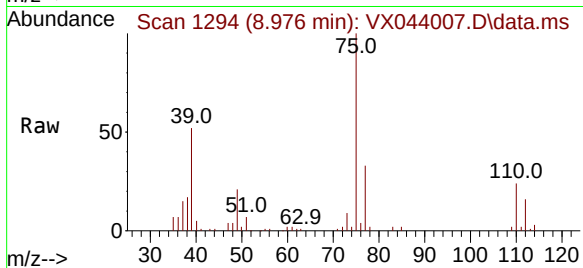
VX1126WBS01

Tgt Ion: 75 Resp: 42946

Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 18.729 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

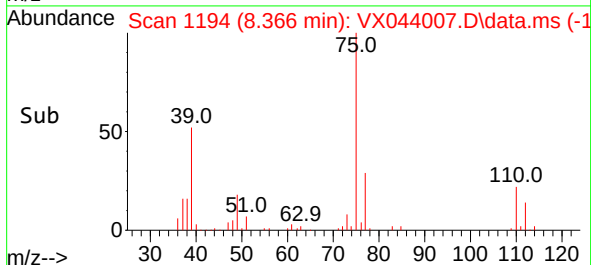
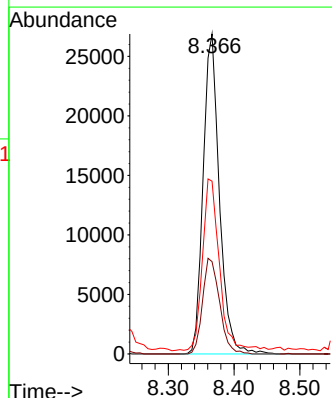
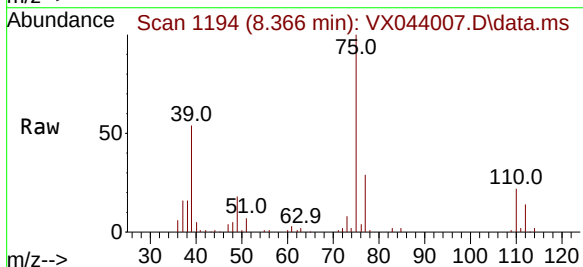
Tgt Ion: 75 Resp: 46188

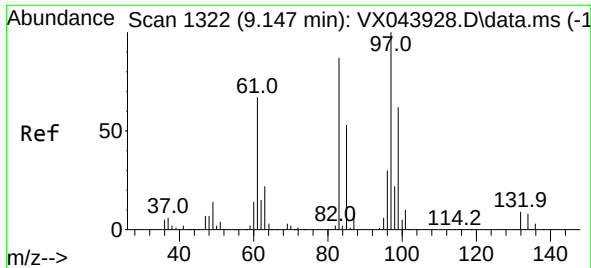
Ion Ratio Lower Upper

75 100

77 28.9 25.2 37.8

39 52.7 43.1 64.7

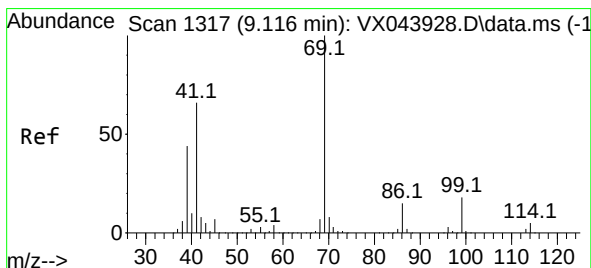
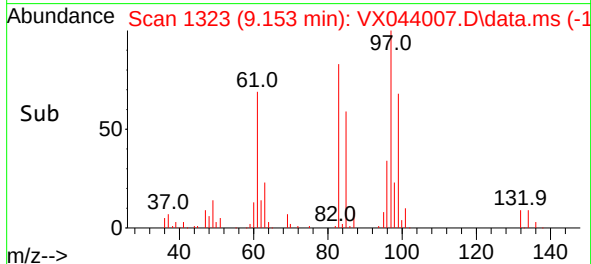
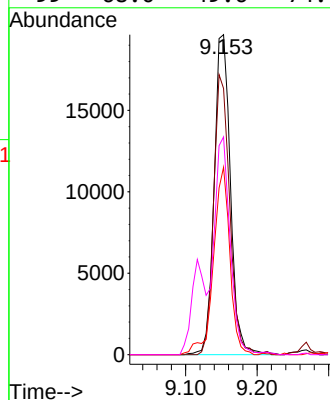
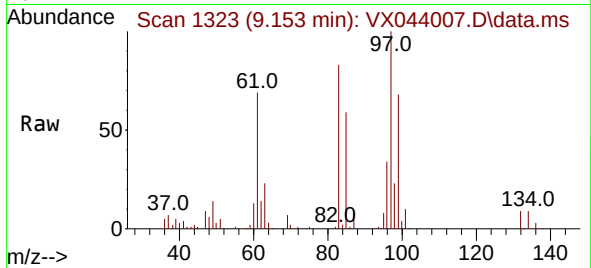




#55  
1,1,2-Trichloroethane  
Concen: 19.793 ug/l  
RT: 9.153 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

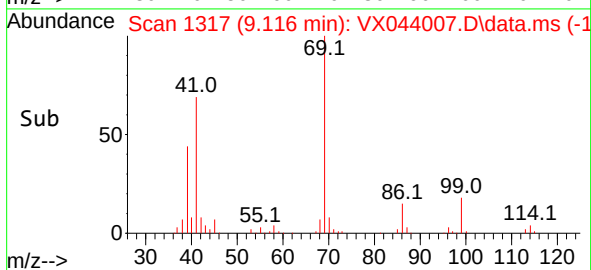
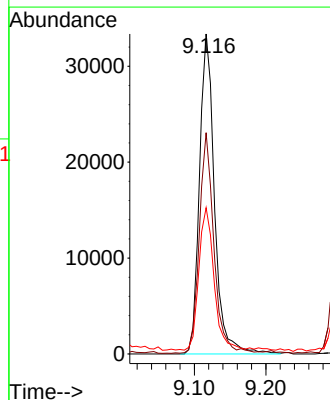
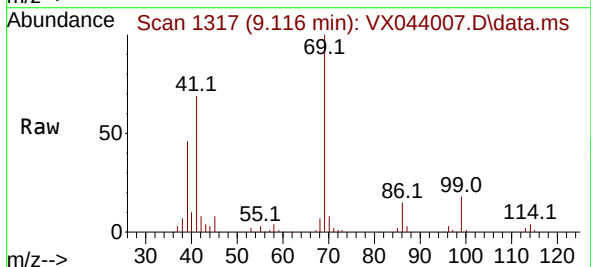
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

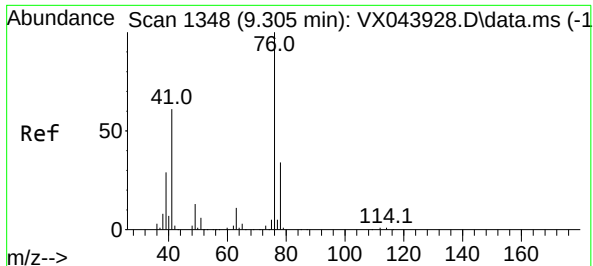
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 31047 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 83 83.2     | 69.4 104.0  |
| 85 58.6     | 42.3 63.5   |
| 99 68.0     | 49.6 74.4   |



#56  
Ethyl methacrylate  
Concen: 19.958 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

|             |             |
|-------------|-------------|
| Tgt Ion: 69 | Resp: 48761 |
| Ion Ratio   | Lower Upper |
| 69 100      |             |
| 41 67.1     | 55.8 83.8   |
| 39 44.6     | 36.7 55.1   |





#57

1,3-Dichloropropane

Concen: 20.786 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

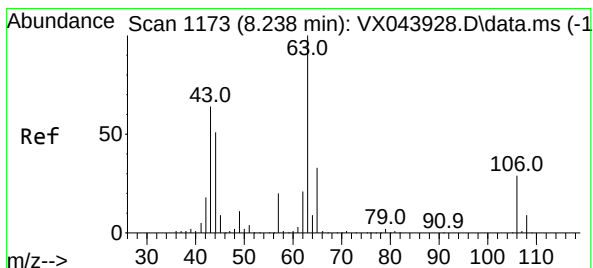
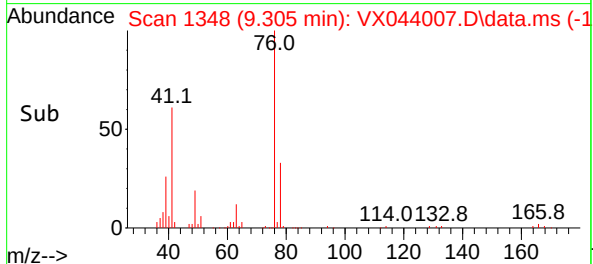
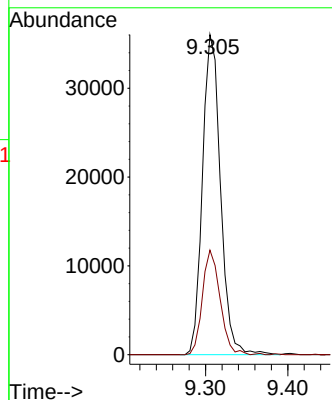
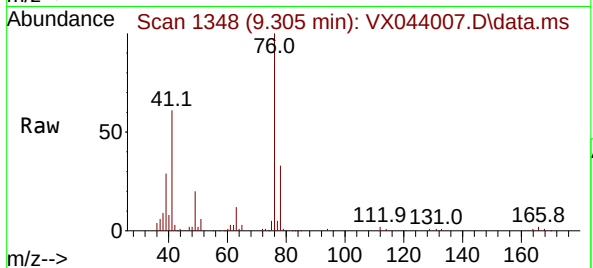
VX1126WBS01

Tgt Ion: 76 Resp: 54924

Ion Ratio Lower Upper

76 100

78 31.9 26.0 39.0



#58

2-Chloroethyl Vinyl ether

Concen: 84.828 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. 0.000 min

Lab File: VX044007.D

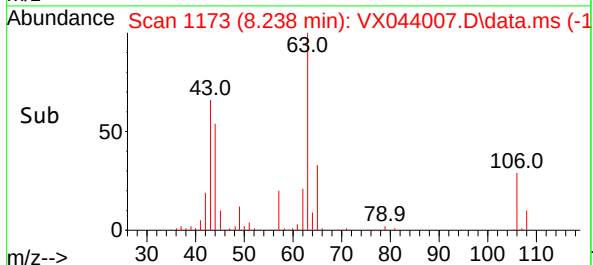
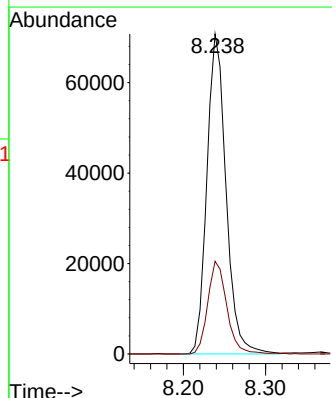
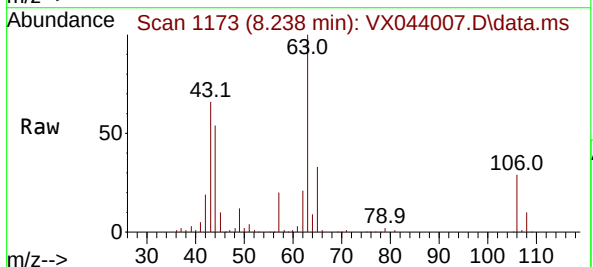
Acq: 26 Nov 2024 11:17

Tgt Ion: 63 Resp: 114449

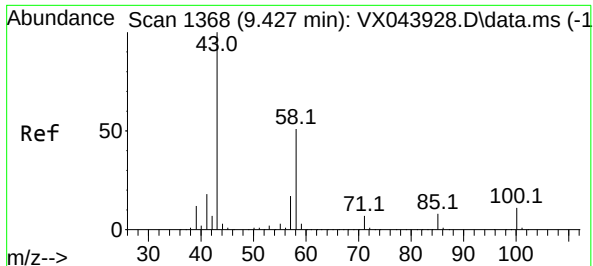
Ion Ratio Lower Upper

63 100

106 28.9 23.0 34.6







#59

2-Hexanone

Concen: 99.251 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

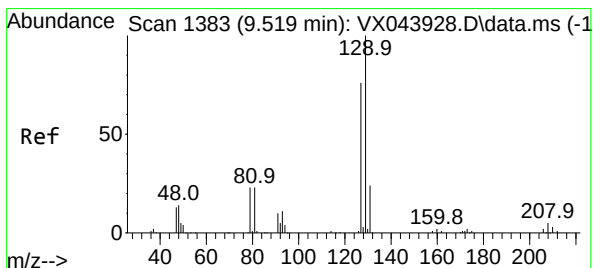
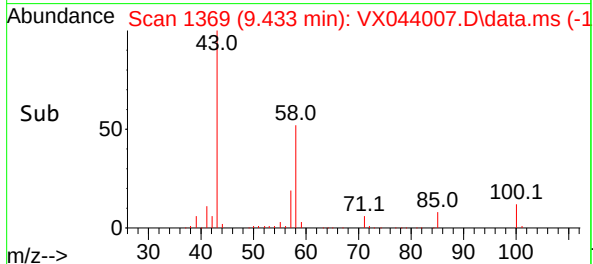
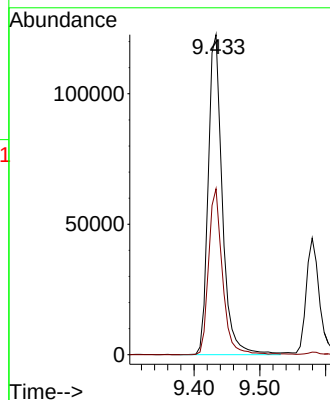
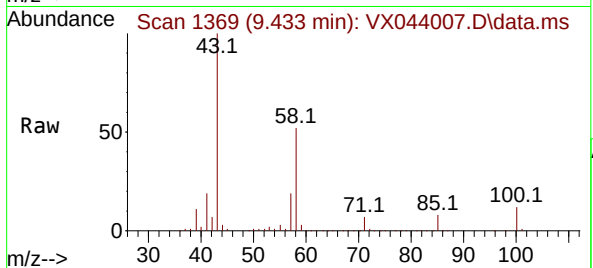
VX1126WBS01

Tgt Ion: 43 Resp: 183298

Ion Ratio Lower Upper

43 100

58 51.1 25.9 77.6



#60

Dibromochloromethane

Concen: 18.608 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044007.D

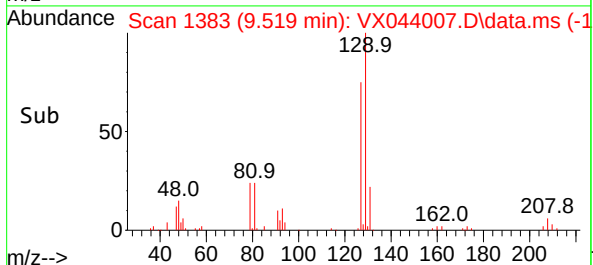
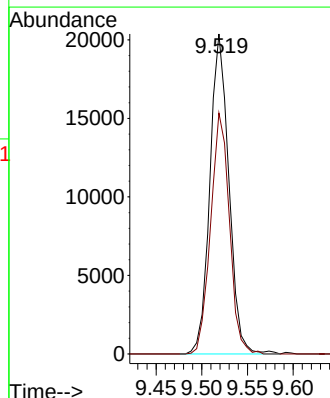
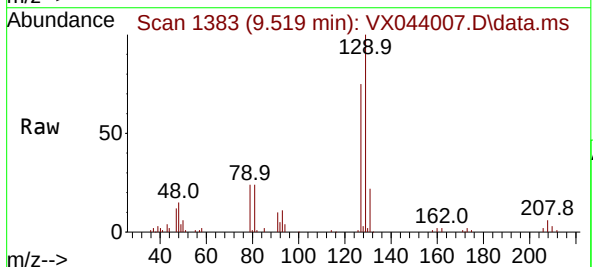
Acq: 26 Nov 2024 11:17

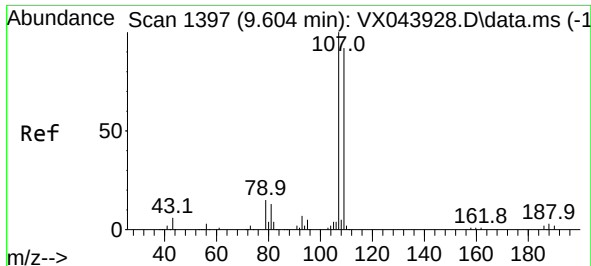
Tgt Ion: 129 Resp: 29286

Ion Ratio Lower Upper

129 100

127 74.7 38.2 114.6

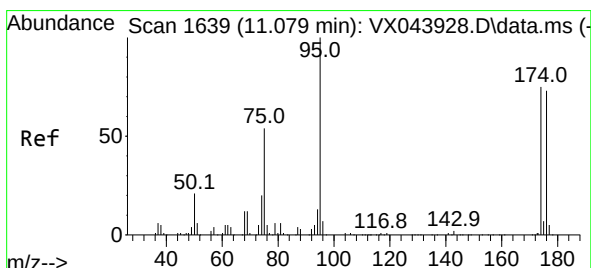
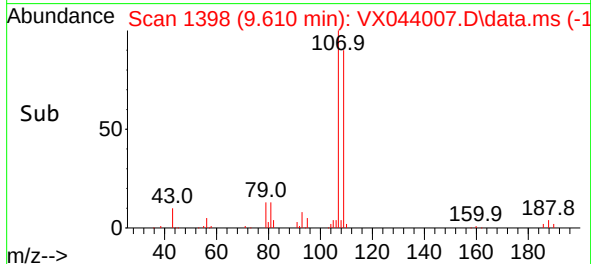
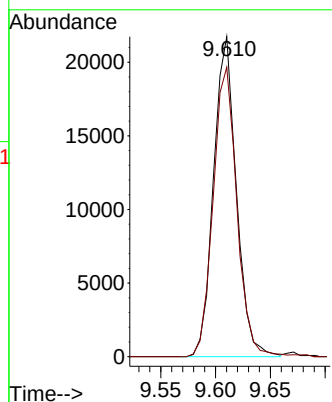
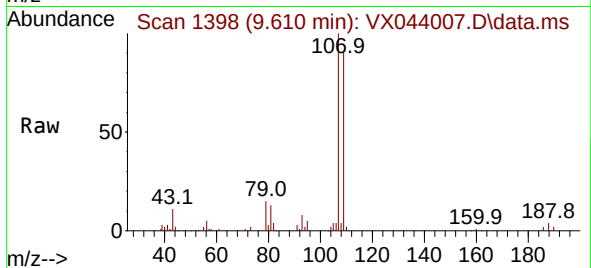




#61  
1,2-Dibromoethane  
Concen: 19.831 ug/l  
RT: 9.610 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

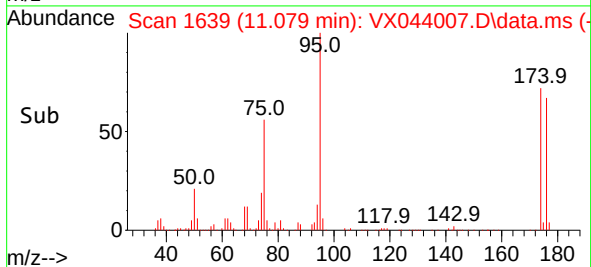
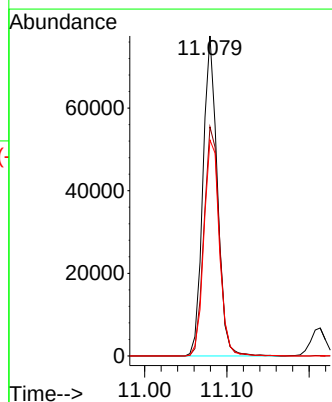
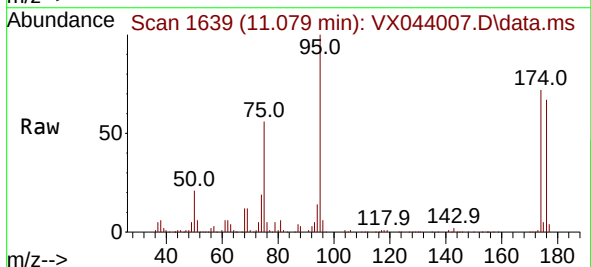
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

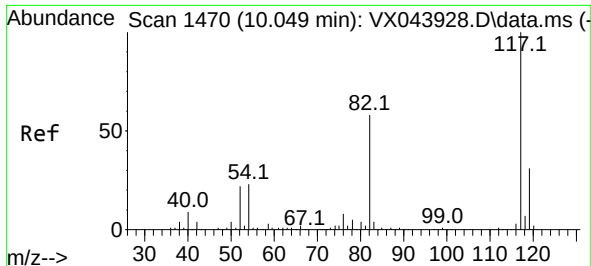
Tgt Ion:107 Resp: 31454  
Ion Ratio Lower Upper  
107 100  
109 94.4 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 49.114 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 95 Resp: 94239  
Ion Ratio Lower Upper  
95 100  
174 76.3 0.0 150.4  
176 72.4 0.0 146.0

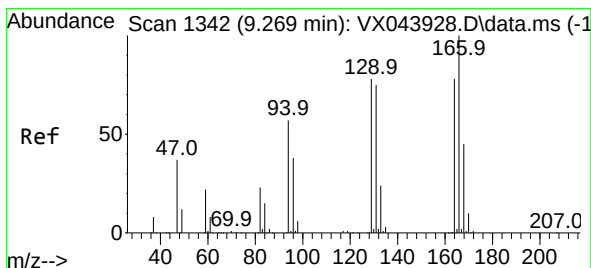
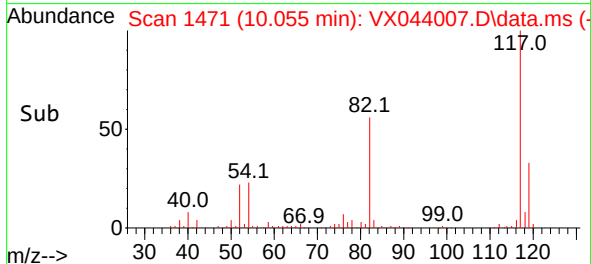
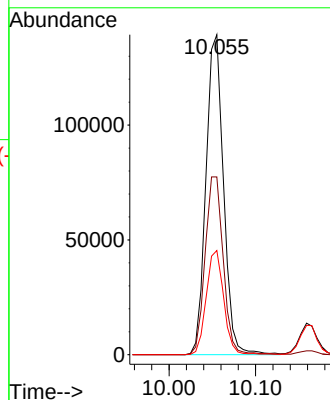
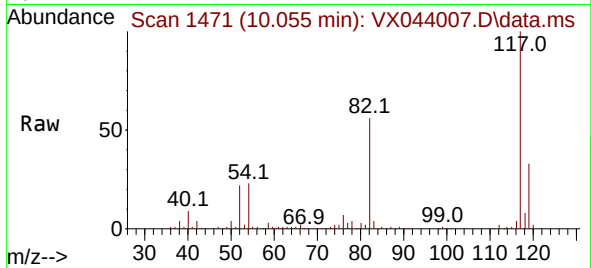




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.055 min Scan# 1470  
Delta R.T. 0.006 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

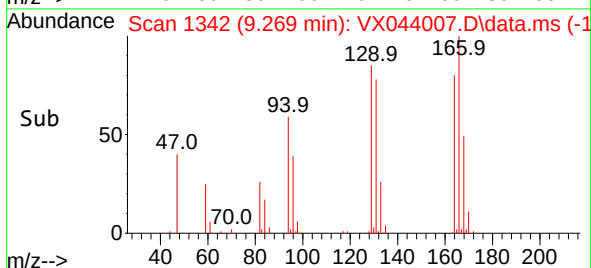
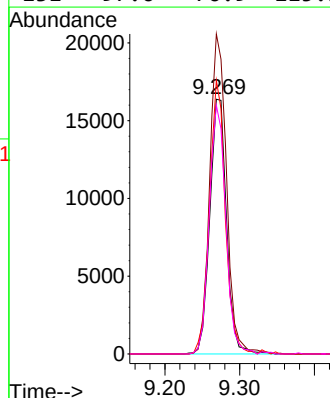
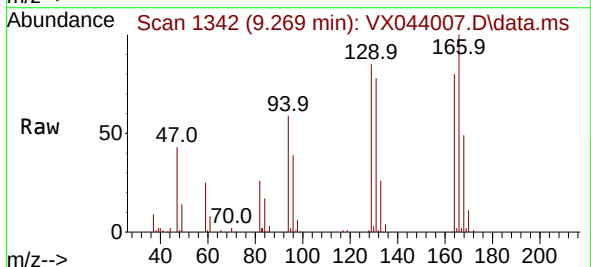
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

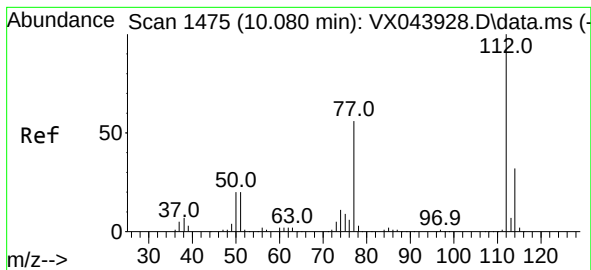
Tgt Ion:117 Resp: 196787  
Ion Ratio Lower Upper  
117 100  
82 55.5 46.4 69.6  
119 32.6 24.6 37.0



#64  
Tetrachloroethene  
Concen: 19.609 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion:164 Resp: 25444  
Ion Ratio Lower Upper  
164 100  
166 125.6 102.1 153.1  
129 107.4 79.6 119.4  
131 97.6 76.9 115.3

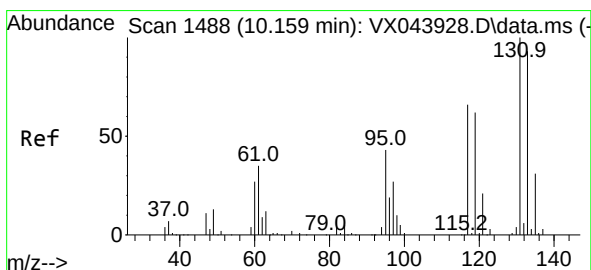
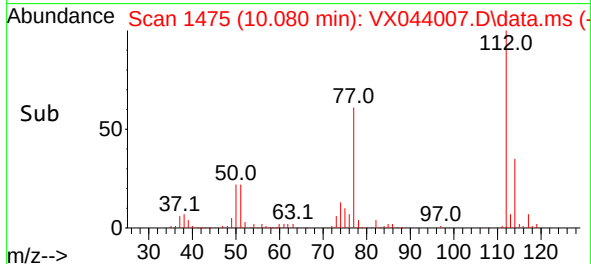
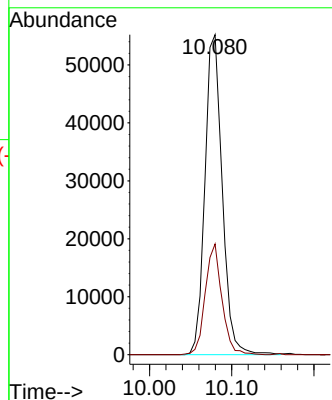
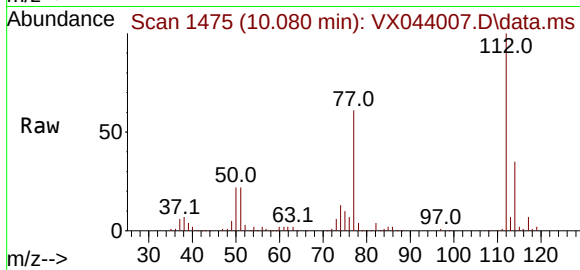




#65  
Chlorobenzene  
Concen: 18.694 ug/l  
RT: 10.080 min Scan# 1475  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

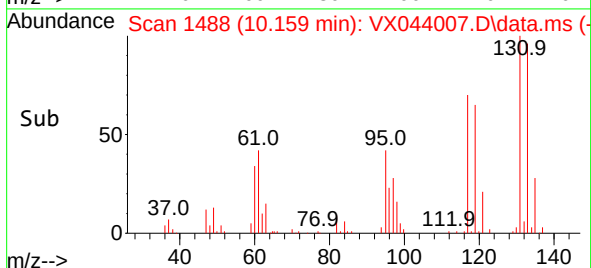
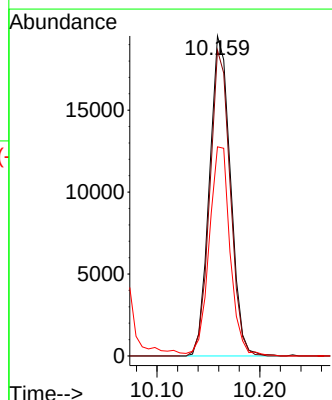
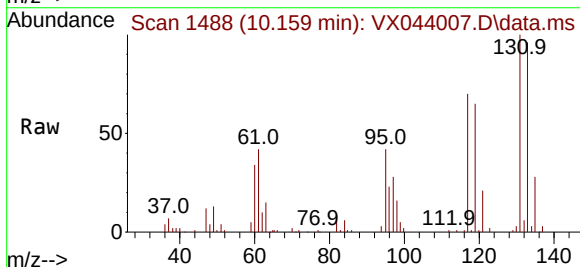
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

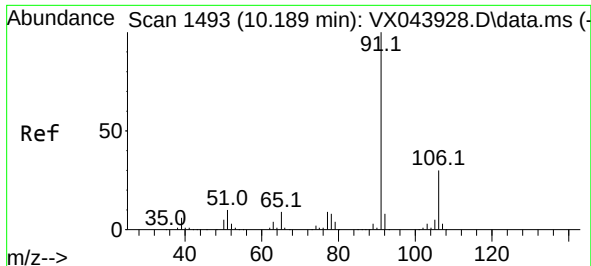
Tgt Ion:112 Resp: 80796  
Ion Ratio Lower Upper  
112 100  
114 34.6 25.4 38.0



#66  
1,1,1,2-Tetrachloroethane  
Concen: 19.792 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion:131 Resp: 27742  
Ion Ratio Lower Upper  
131 100  
133 92.9 48.2 144.6  
119 65.2 31.5 94.5





#67

Ethyl Benzene

Concen: 19.329 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

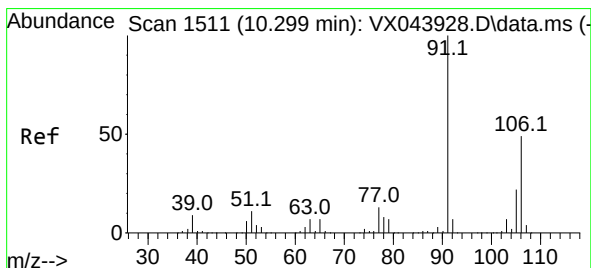
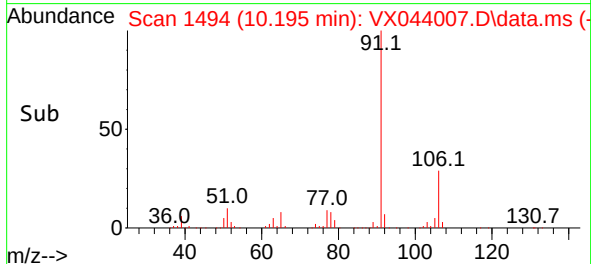
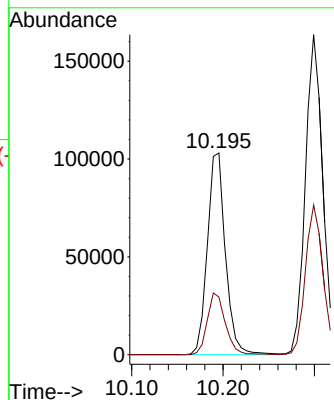
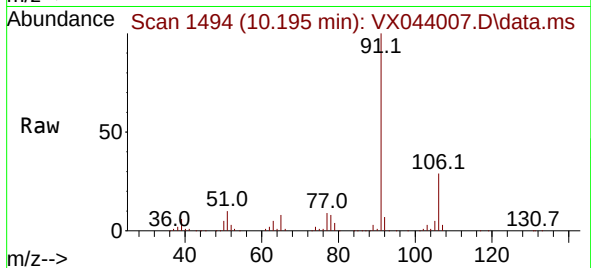
VX1126WBS01

Tgt Ion: 91 Resp: 141555

Ion Ratio Lower Upper

91 100

106 28.5 23.6 35.4



#68

m/p-Xylenes

Concen: 38.544 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX044007.D

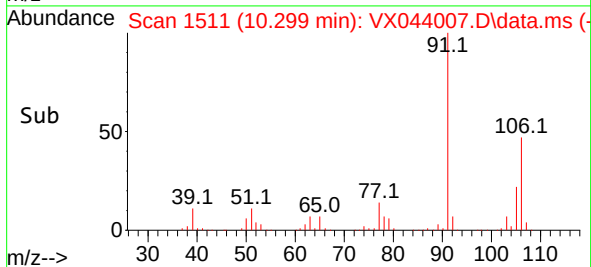
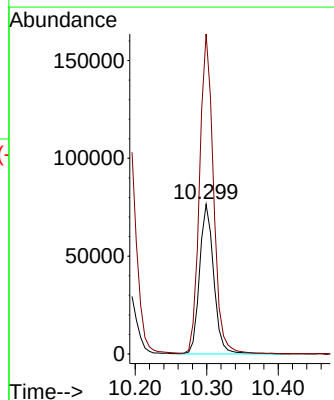
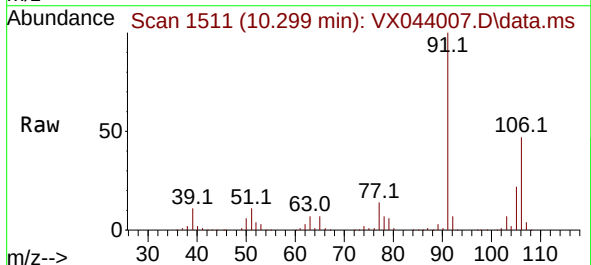
Acq: 26 Nov 2024 11:17

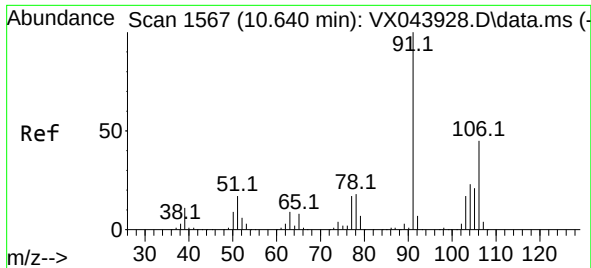
Tgt Ion:106 Resp: 105269

Ion Ratio Lower Upper

106 100

91 209.5 168.1 252.1

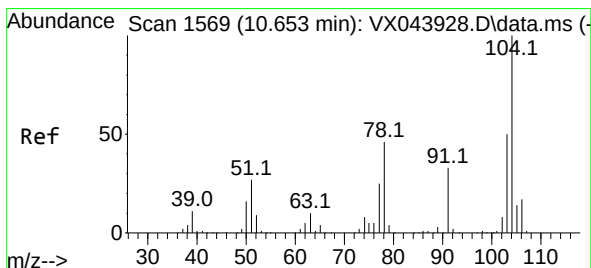
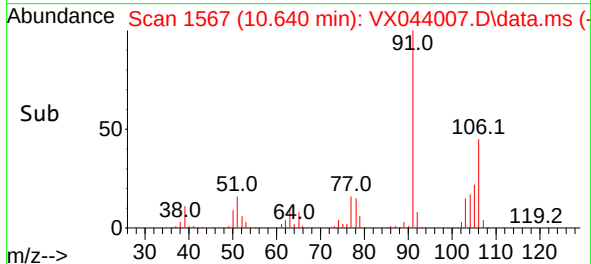
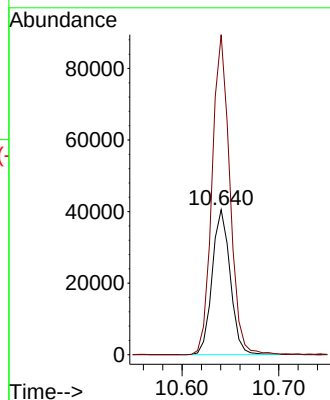
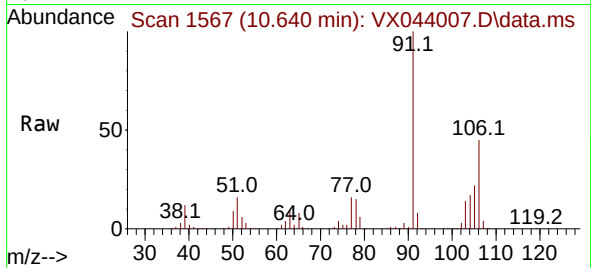




#69  
o-Xylene  
Concen: 19.737 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

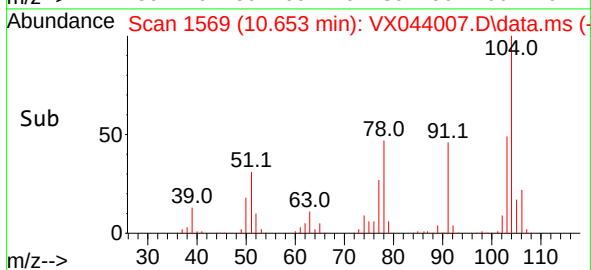
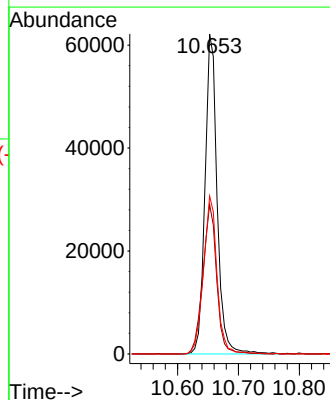
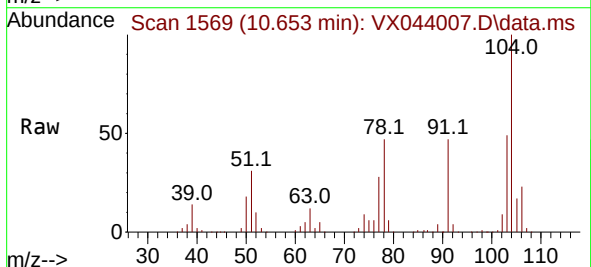
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

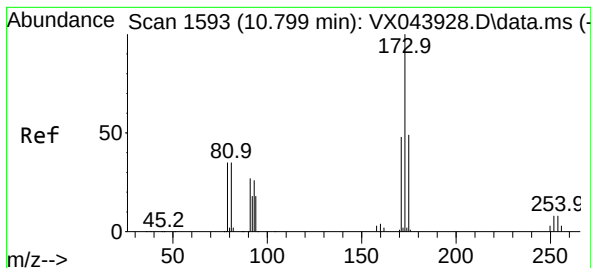
Tgt Ion:106 Resp: 52630  
Ion Ratio Lower Upper  
106 100  
91 217.4 110.2 330.6



#70  
Styrene  
Concen: 19.581 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion:104 Resp: 86358  
Ion Ratio Lower Upper  
104 100  
78 52.8 42.2 63.2  
103 55.1 44.7 67.1





#71

Bromoform

Concen: 17.613 ug/l

RT: 10.799 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

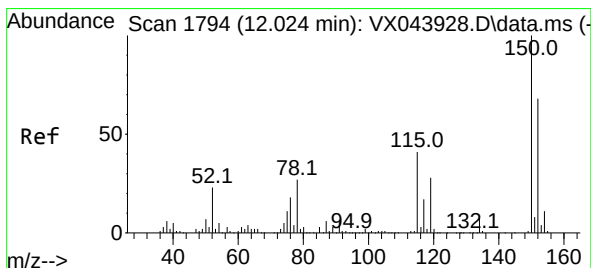
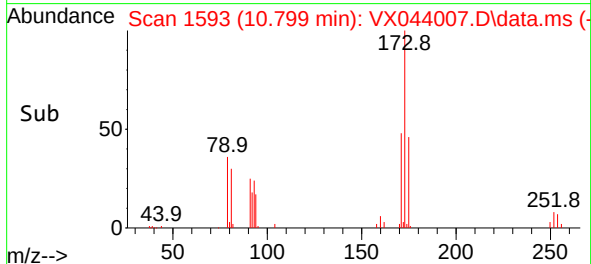
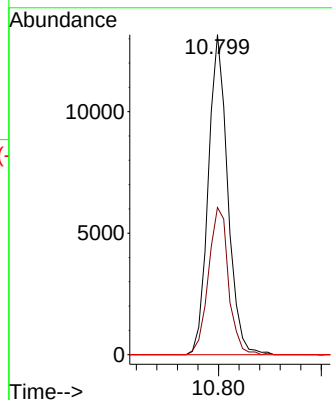
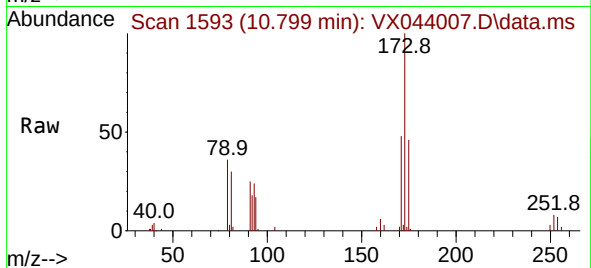
Tgt Ion:173 Resp: 17267

Ion Ratio Lower Upper

173 100

175 47.7 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

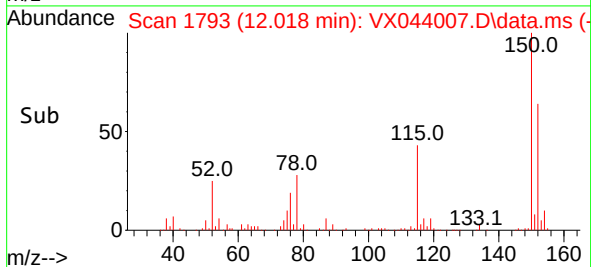
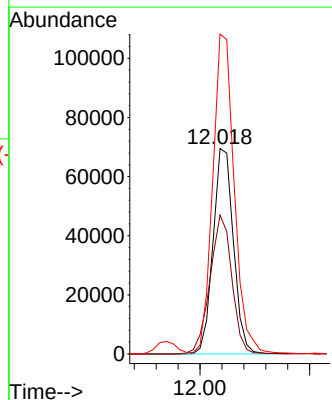
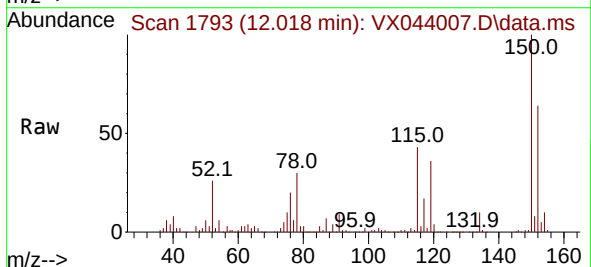
Tgt Ion:152 Resp: 89836

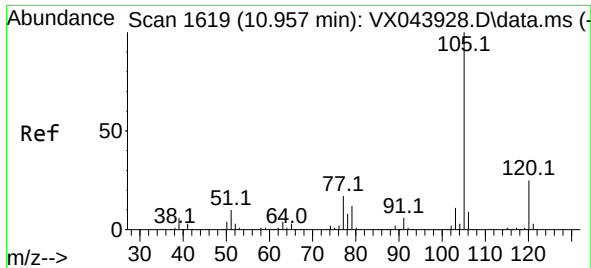
Ion Ratio Lower Upper

152 100

115 72.3 45.4 136.2

150 164.0 0.0 353.0

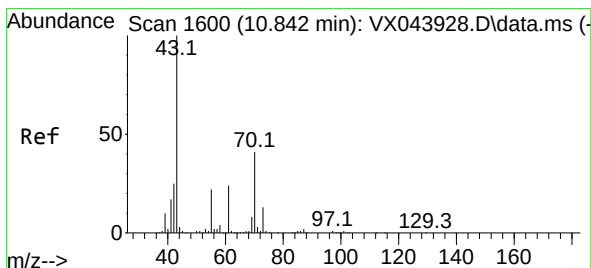
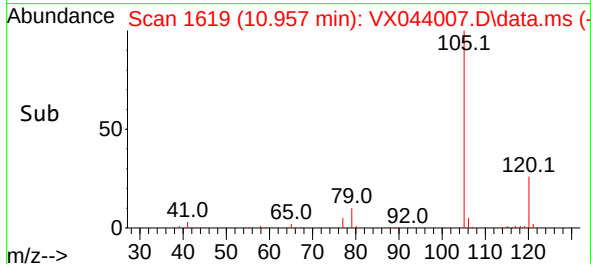
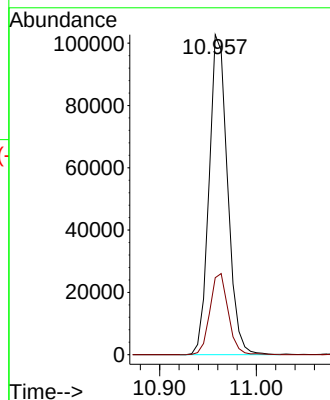
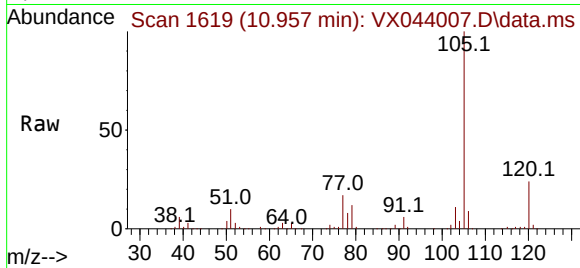




#73  
Isopropylbenzene  
Concen: 19.732 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

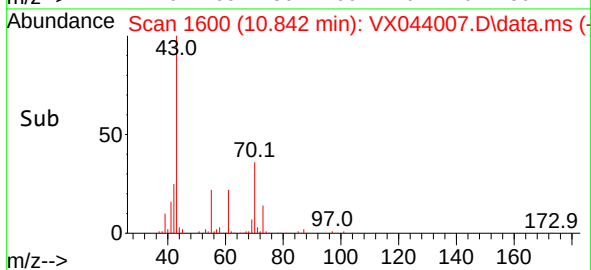
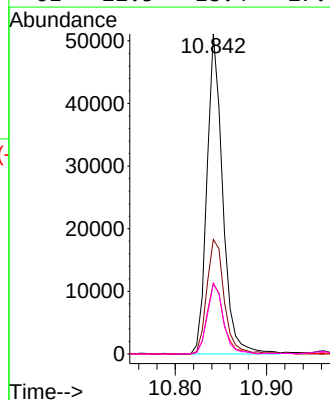
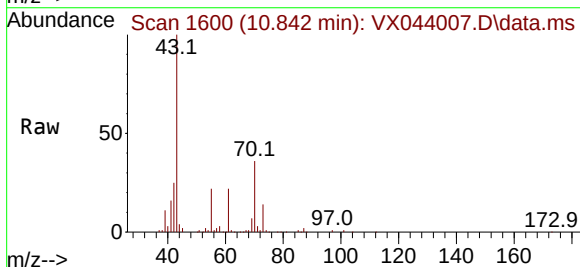
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion:105 Resp: 136262  
Ion Ratio Lower Upper  
105 100  
120 25.1 13.0 38.9

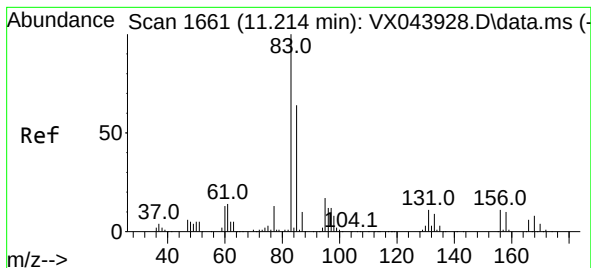


#74  
N-ethyl acetate  
Concen: 19.157 ug/l  
RT: 10.842 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 43 Resp: 61285  
Ion Ratio Lower Upper  
43 100  
70 39.8 32.2 48.2  
55 23.2 18.1 27.1  
61 22.5 18.4 27.6







#75

1,1,2,2-Tetrachloroethane

Concen: 20.556 ug/l

RT: 11.214 min Scan# 1661

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

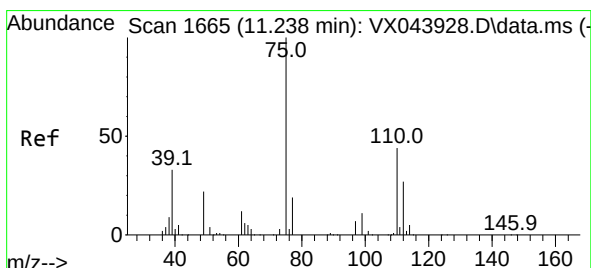
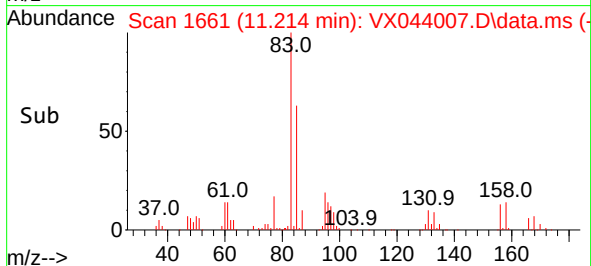
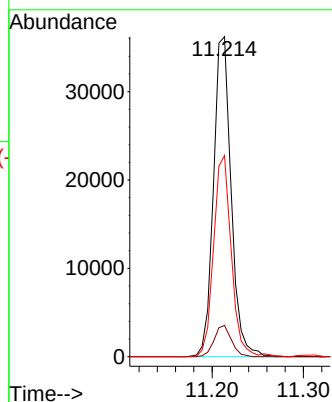
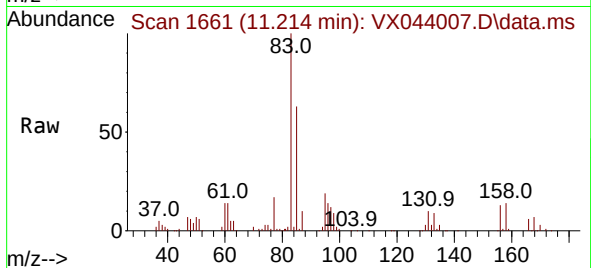
Tgt Ion: 83 Resp: 48605

Ion Ratio Lower Upper

83 100

131 9.5 5.1 15.2

85 63.0 32.2 96.6



#76

1,2,3-Trichloropropane

Concen: 25.197 ug/l

RT: 11.238 min Scan# 1665

Delta R.T. -0.000 min

Lab File: VX044007.D

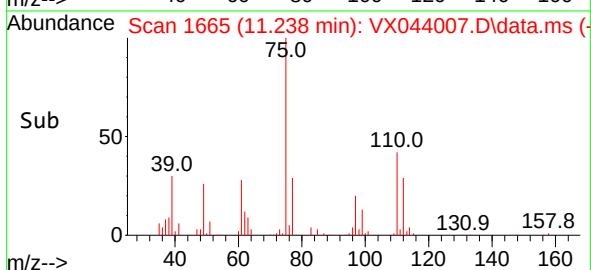
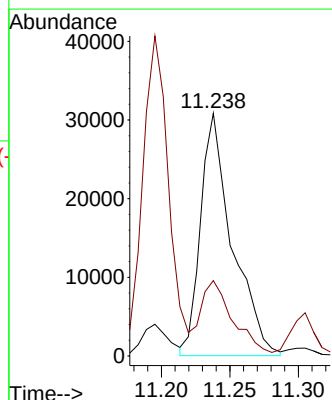
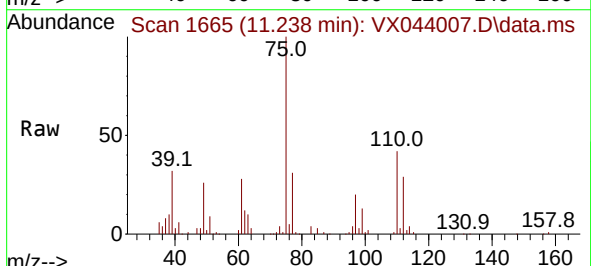
Acq: 26 Nov 2024 11:17

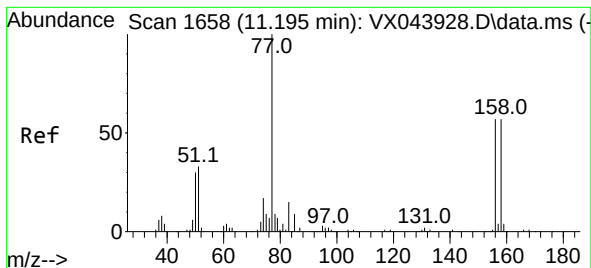
Tgt Ion: 75 Resp: 49640

Ion Ratio Lower Upper

75 100

77 32.0 21.8 65.3





#77

Bromobenzene

Concen: 19.878 ug/l

RT: 11.195 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

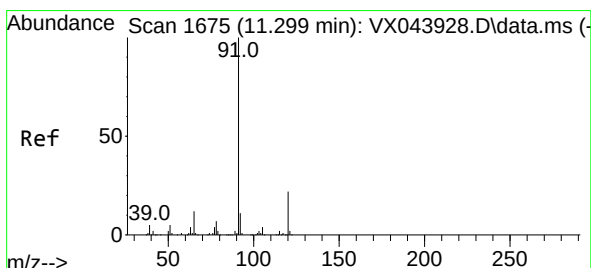
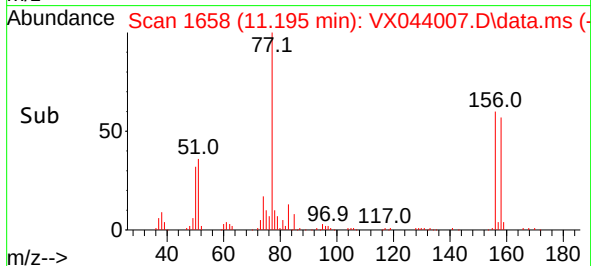
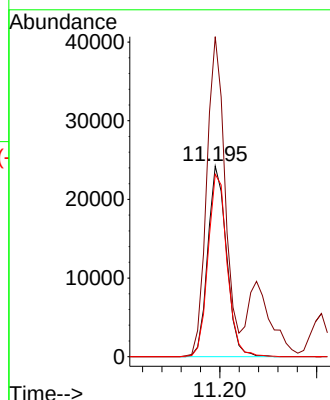
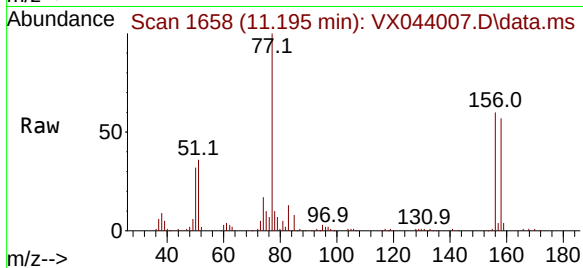
Tgt Ion:156 Resp: 32745

Ion Ratio Lower Upper

156 100

77 163.9 83.4 250.1

158 97.3 47.6 142.8



#78

n-propylbenzene

Concen: 19.648 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044007.D

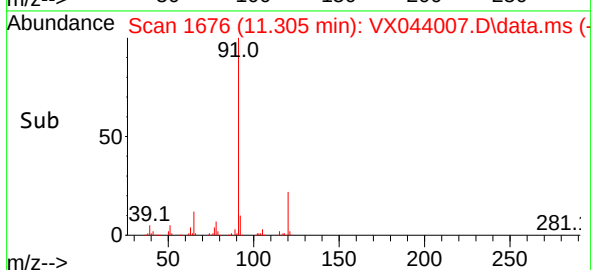
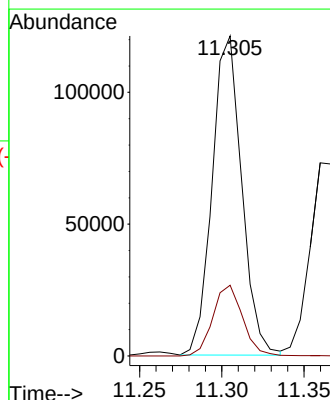
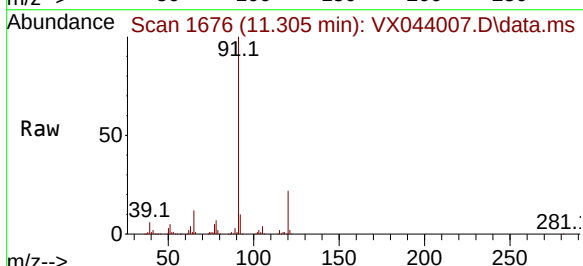
Acq: 26 Nov 2024 11:17

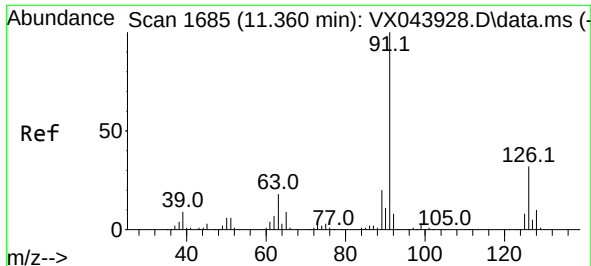
Tgt Ion: 91 Resp: 151539

Ion Ratio Lower Upper

91 100

120 22.4 11.5 34.4

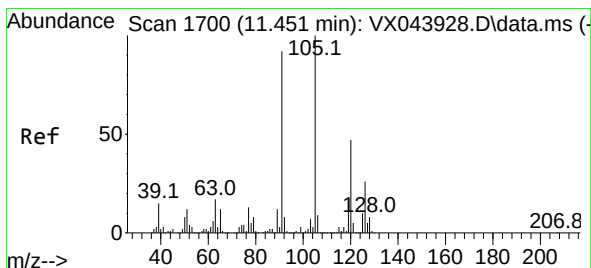
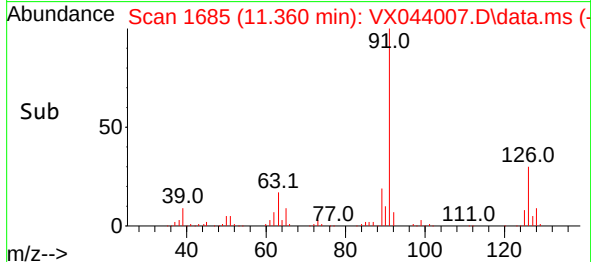
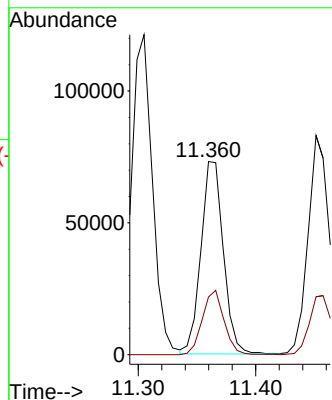
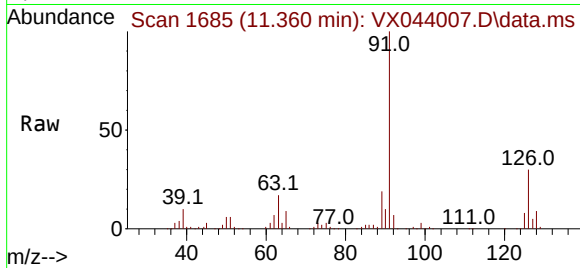




#79  
2-Chlorotoluene  
Concen: 19.894 ug/l  
RT: 11.360 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

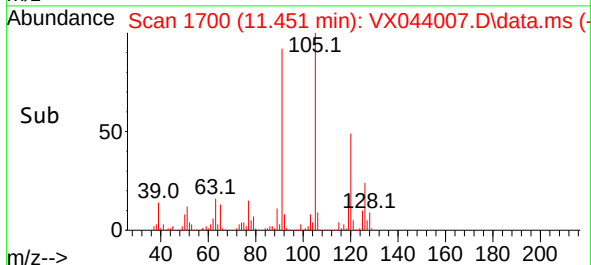
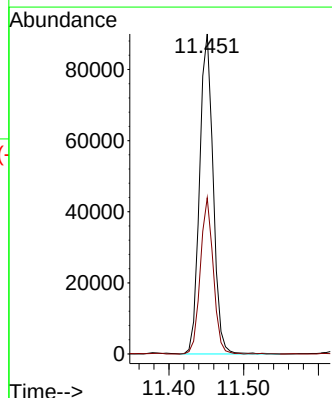
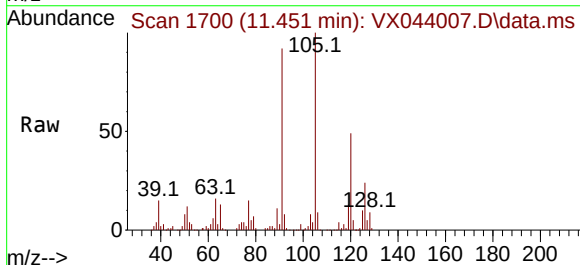
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

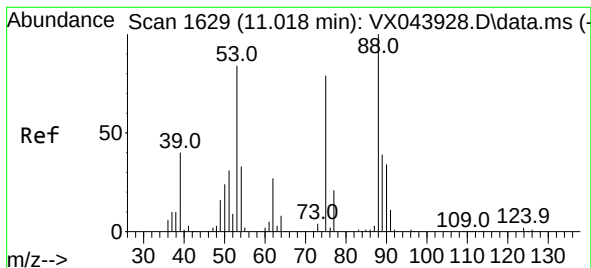
Tgt Ion: 91 Resp: 97025  
Ion Ratio Lower Upper  
91 100  
126 32.3 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 19.966 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 105 Resp: 113431  
Ion Ratio Lower Upper  
105 100  
120 46.6 23.3 69.8

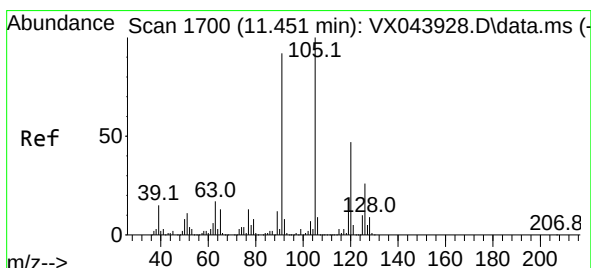
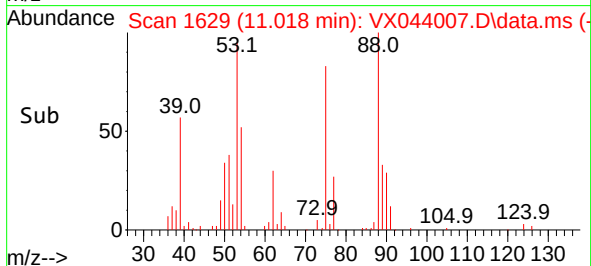
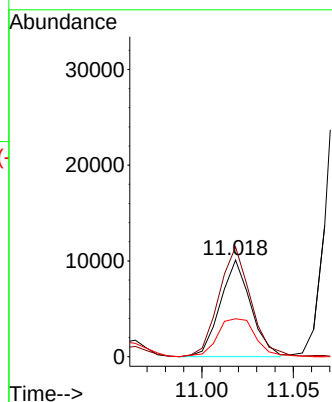
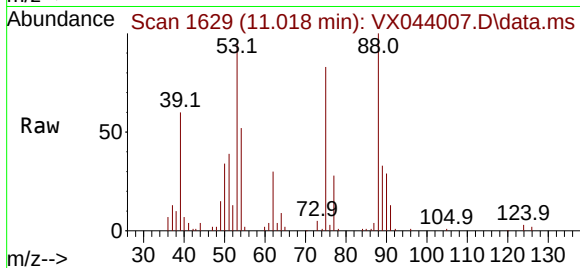




#81  
trans-1,4-Dichloro-2-butene  
Concen: 16.262 ug/l  
RT: 11.018 min Scan# 1  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

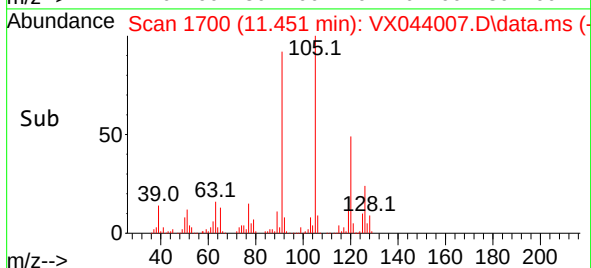
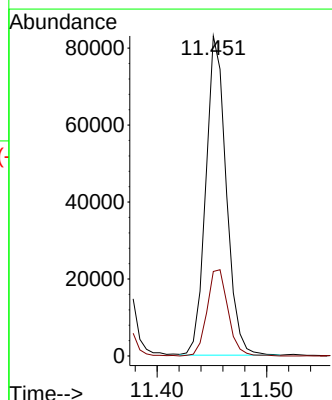
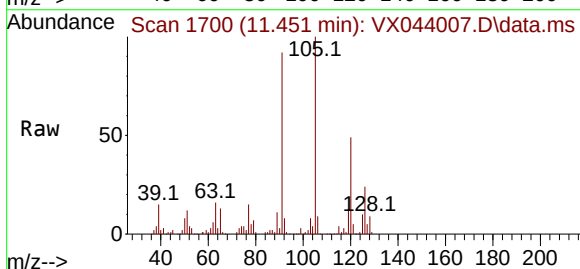
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

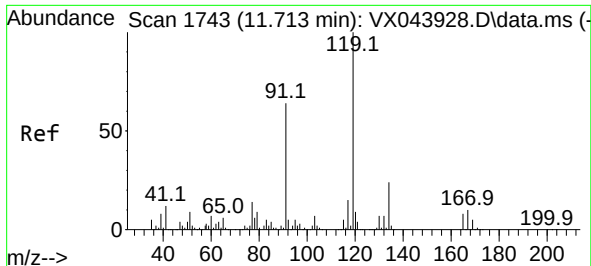
Tgt Ion: 75 Resp: 11741  
Ion Ratio Lower Upper  
75 100  
53 118.9 86.7 130.1  
89 49.2 38.2 57.2



#82  
4-Chlorotoluene  
Concen: 19.470 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 91 Resp: 107199  
Ion Ratio Lower Upper  
91 100  
126 27.9 14.3 42.9

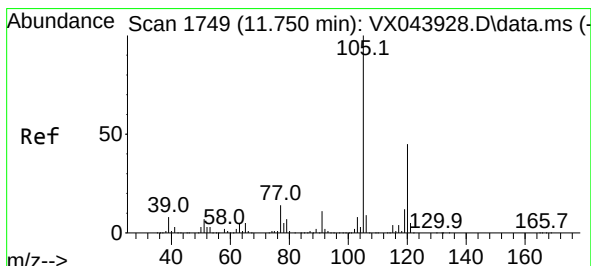
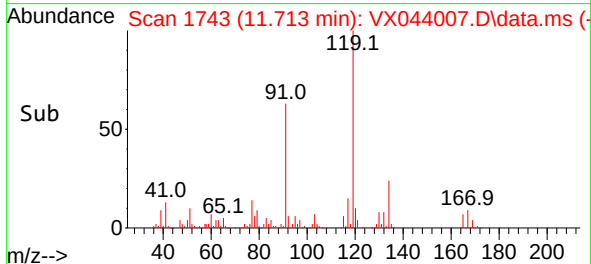
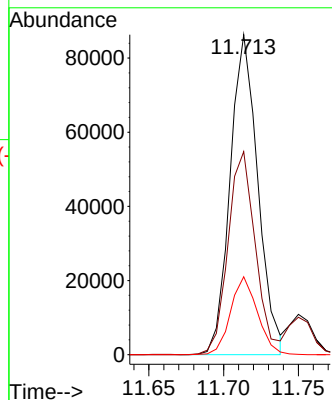
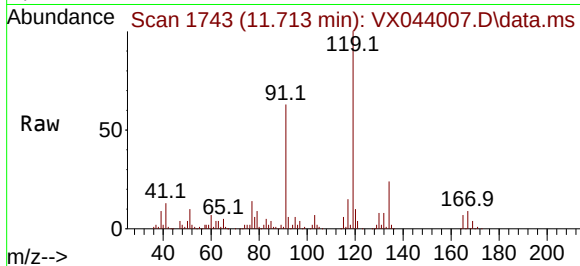




#83  
 tert-Butylbenzene  
 Concen: 19.789 ug/l  
 RT: 11.713 min Scan# 11  
 Delta R.T. 0.000 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

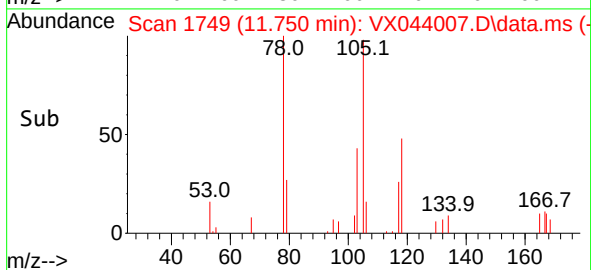
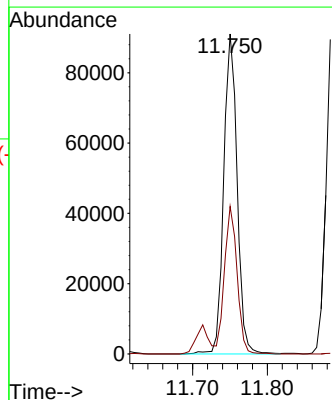
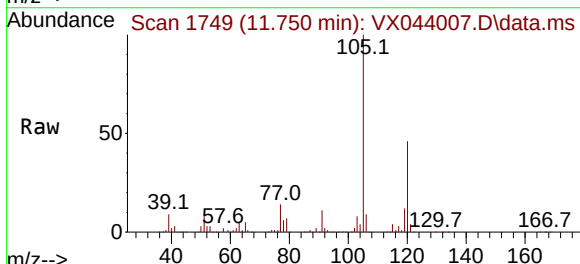
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

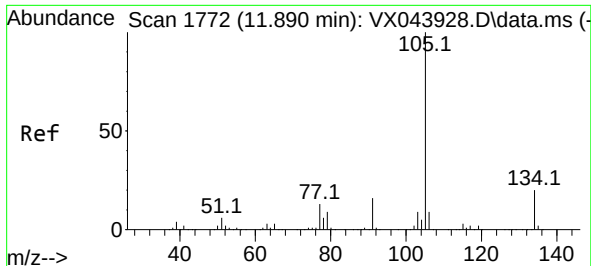
Tgt Ion:119 Resp: 111433  
 Ion Ratio Lower Upper  
 119 100  
 91 62.9 31.0 93.0  
 134 23.6 11.6 34.8



#84  
 1,2,4-Trimethylbenzene  
 Concen: 20.112 ug/l  
 RT: 11.750 min Scan# 1749  
 Delta R.T. 0.000 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

Tgt Ion:105 Resp: 113761  
 Ion Ratio Lower Upper  
 105 100  
 120 43.4 21.9 65.7

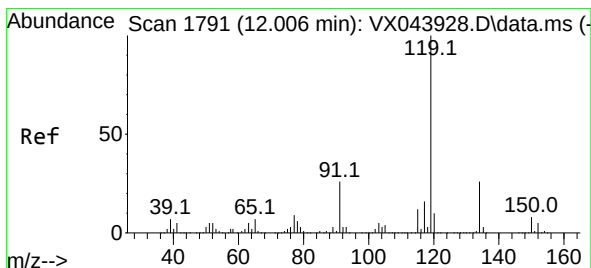
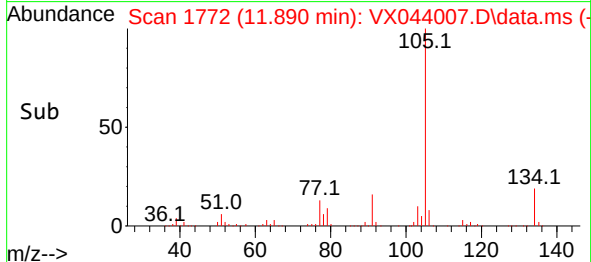
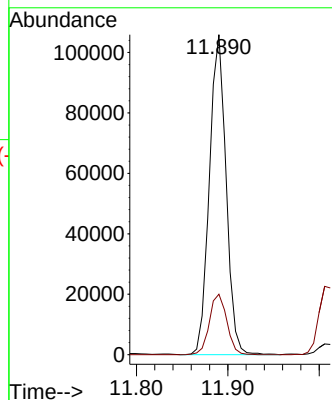
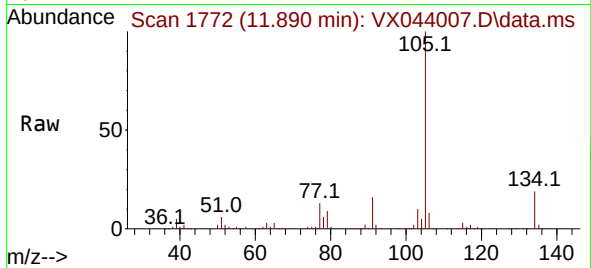




#85  
 sec-Butylbenzene  
 Concen: 19.422 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. 0.000 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

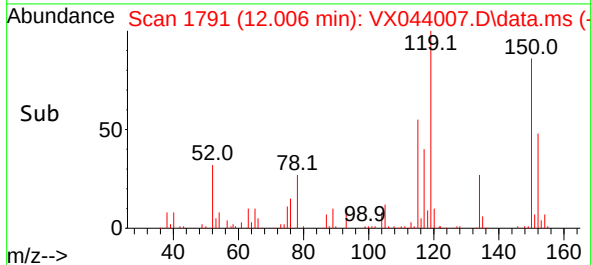
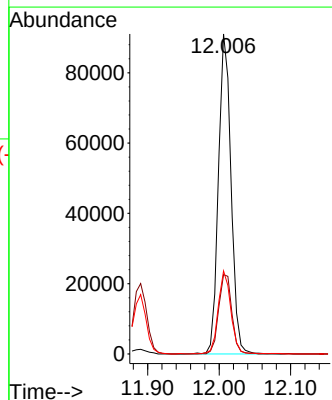
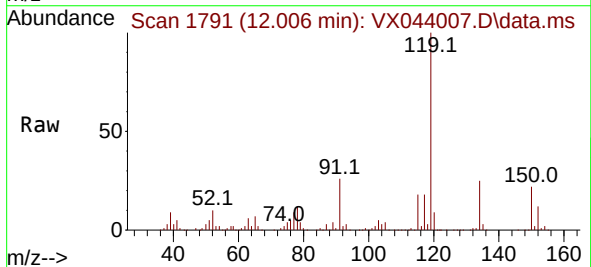
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX1126WBS01

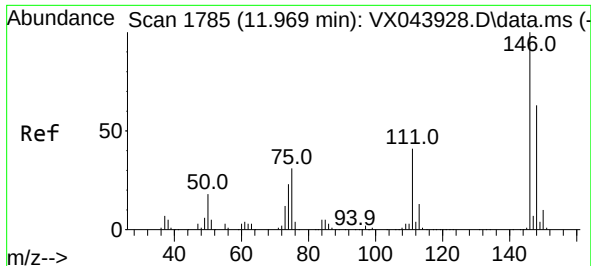
Tgt Ion:105 Resp: 133999  
 Ion Ratio Lower Upper  
 105 100  
 134 19.7 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 19.806 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. 0.000 min  
 Lab File: VX044007.D  
 Acq: 26 Nov 2024 11:17

Tgt Ion:119 Resp: 110997  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 13.0 38.9  
 91 26.2 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 18.986 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

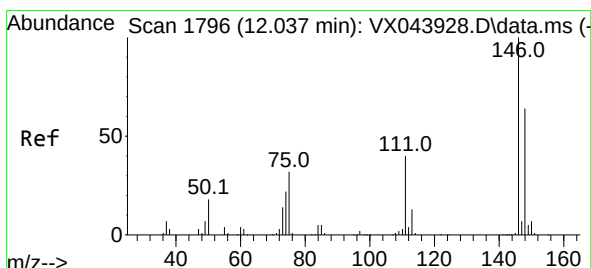
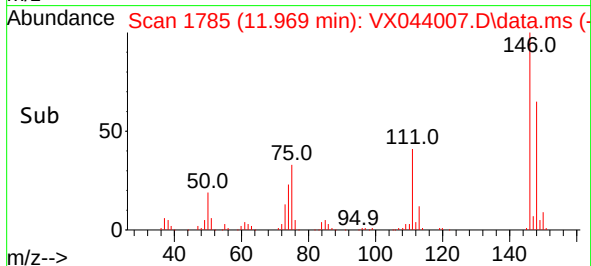
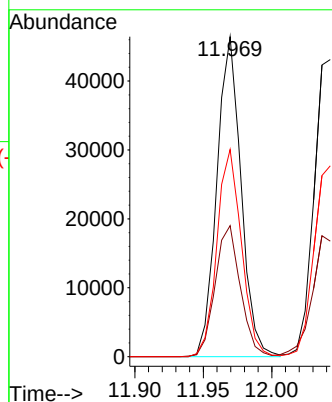
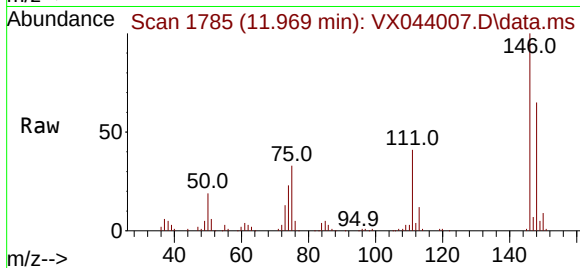
Tgt Ion:146 Resp: 56964

Ion Ratio Lower Upper

146 100

111 42.8 21.1 63.3

148 65.7 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 18.536 ug/l

RT: 12.043 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

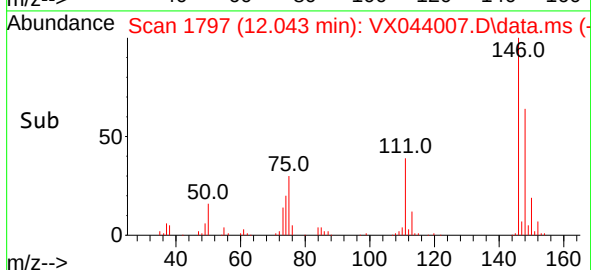
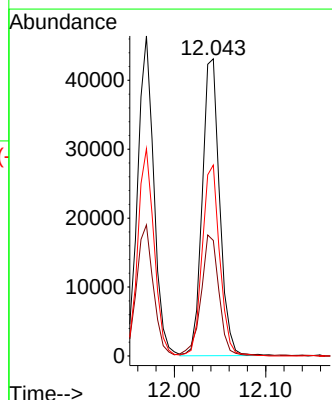
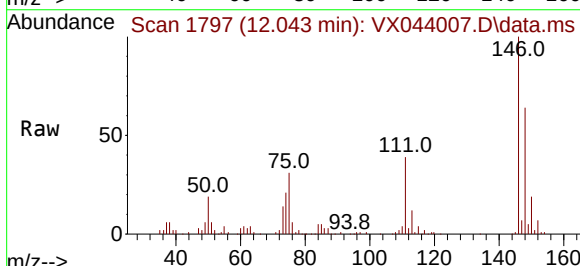
Tgt Ion:146 Resp: 56700

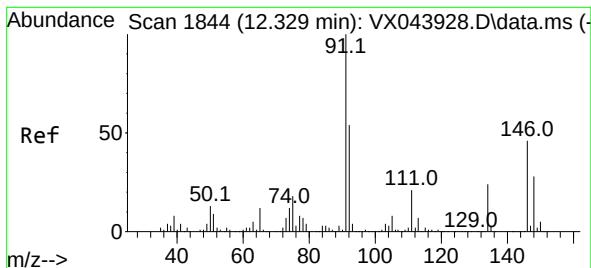
Ion Ratio Lower Upper

146 100

111 41.6 20.1 60.3

148 65.0 30.9 92.8





#89

n-Butylbenzene

Concen: 19.165 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

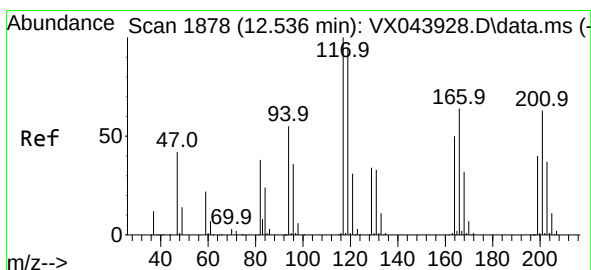
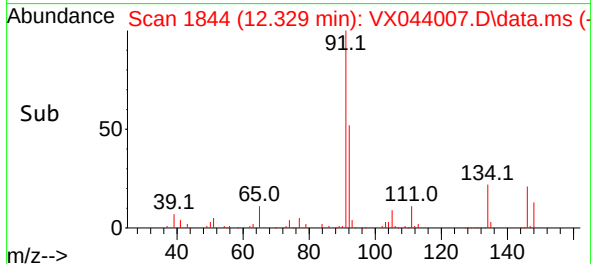
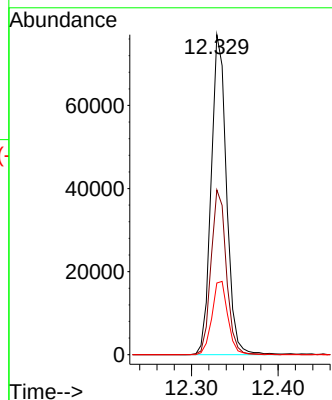
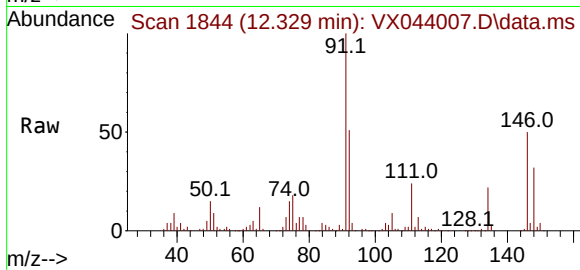
Tgt Ion: 91 Resp: 94699

Ion Ratio Lower Upper

91 100

92 51.4 26.6 79.8

134 23.8 12.4 37.2



#90

Hexachloroethane

Concen: 17.501 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX044007.D

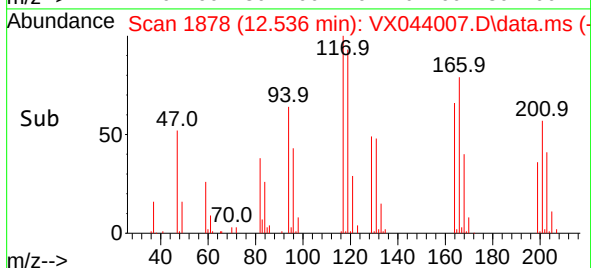
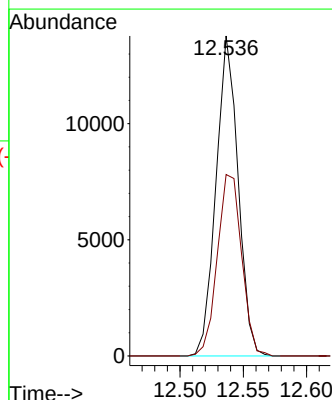
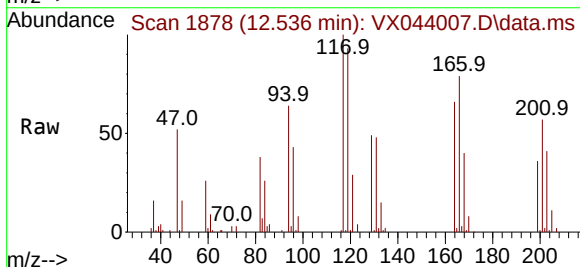
Acq: 26 Nov 2024 11:17

Tgt Ion: 117 Resp: 16678

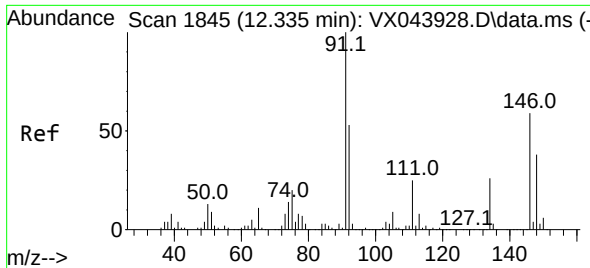
Ion Ratio Lower Upper

117 100

201 62.7 32.4 97.0



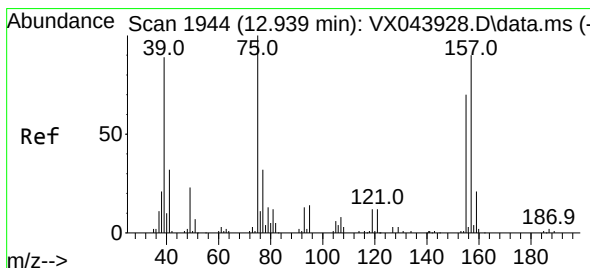
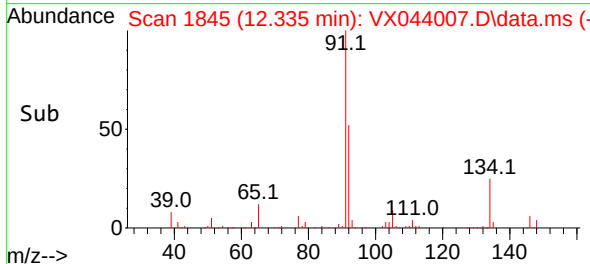
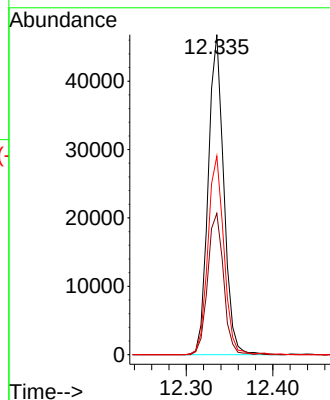
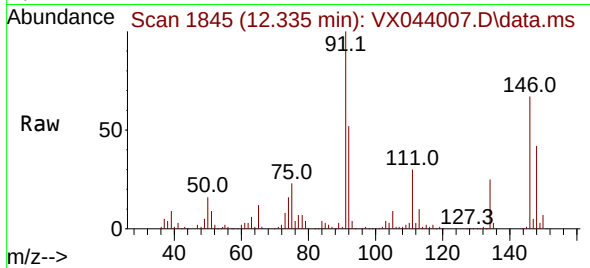




#91  
1,2-Dichlorobenzene  
Concen: 19.278 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

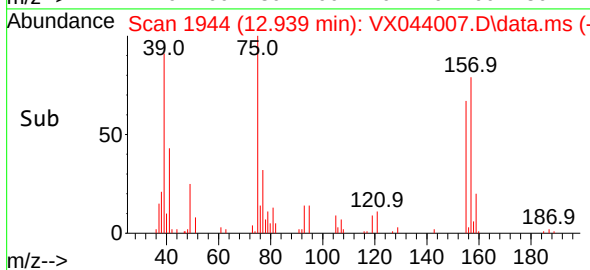
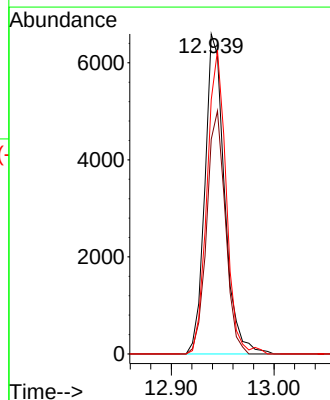
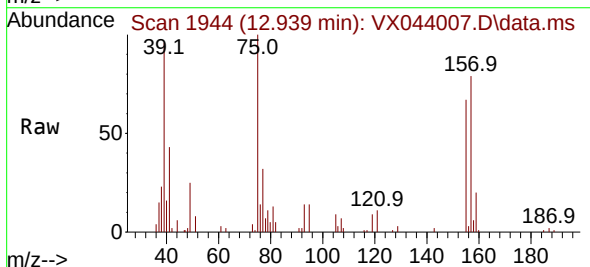
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

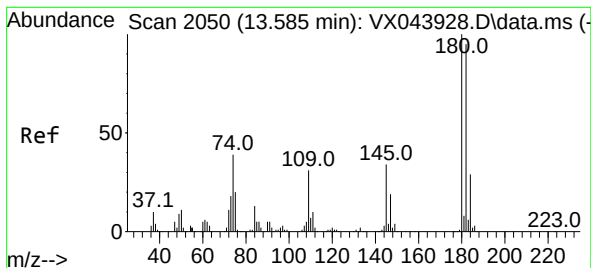
Tgt Ion:146 Resp: 58372  
Ion Ratio Lower Upper  
146 100  
111 45.1 21.5 64.5  
148 63.6 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.445 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion: 75 Resp: 8739  
Ion Ratio Lower Upper  
75 100  
155 72.4 40.1 120.2  
157 92.3 49.6 149.0





#93

1,2,4-Trichlorobenzene

Concen: 18.075 ug/l

RT: 13.585 min Scan# 2050

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

Instrument :

MSVOA\_X

ClientSampleId :

VX1126WBS01

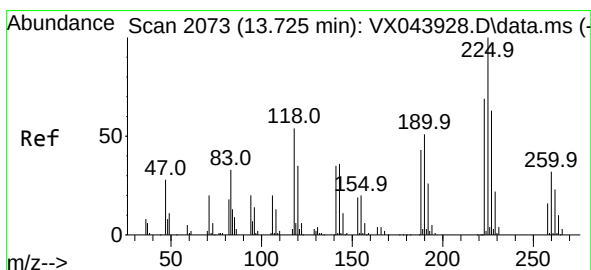
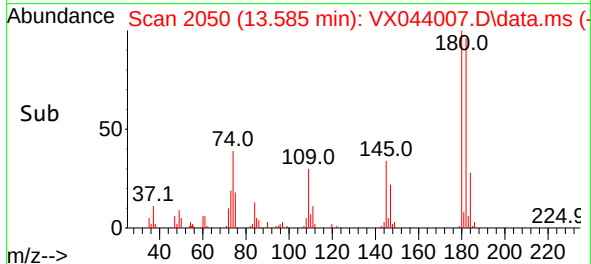
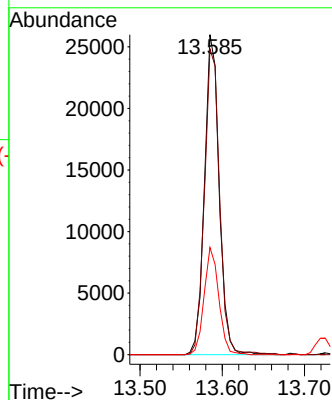
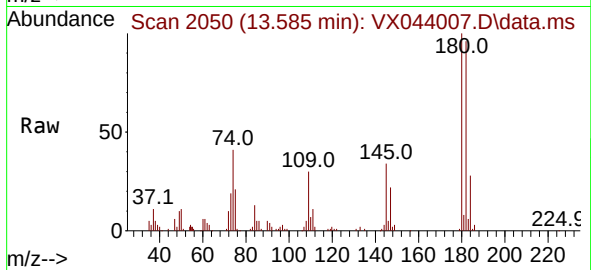
Tgt Ion:180 Resp: 32265

Ion Ratio Lower Upper

180 100

182 98.5 48.0 144.2

145 33.5 16.8 50.4



#94

Hexachlorobutadiene

Concen: 19.148 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX044007.D

Acq: 26 Nov 2024 11:17

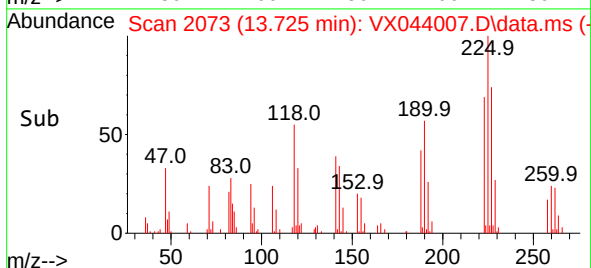
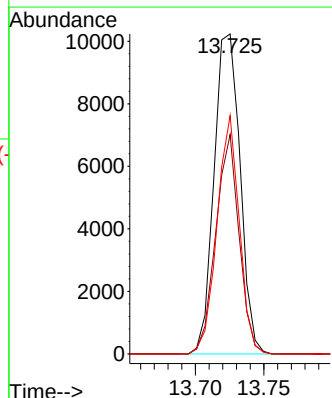
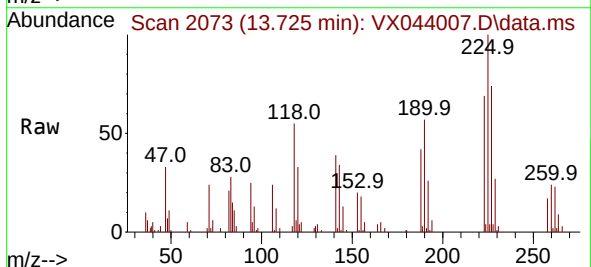
Tgt Ion:225 Resp: 13509

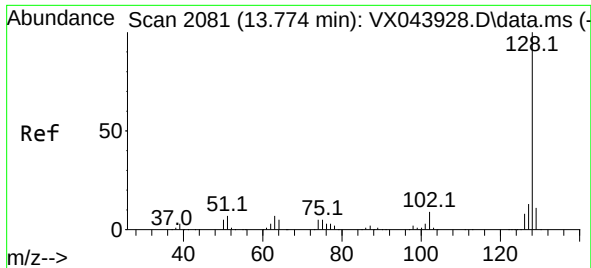
Ion Ratio Lower Upper

225 100

223 61.3 32.9 98.6

227 63.9 31.6 94.8

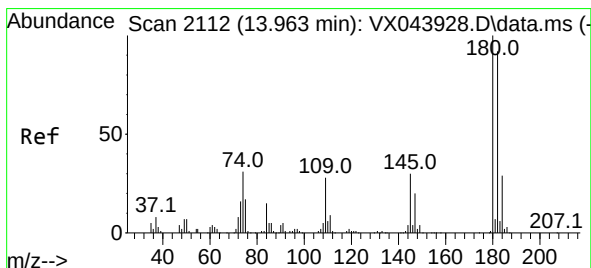
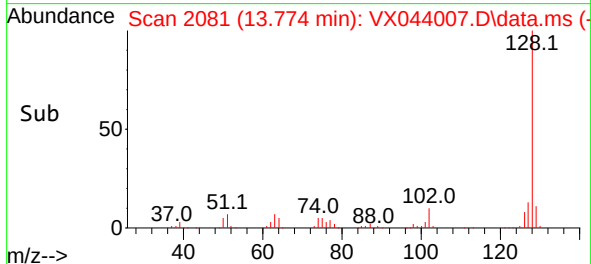
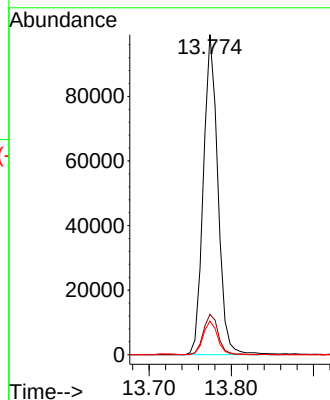
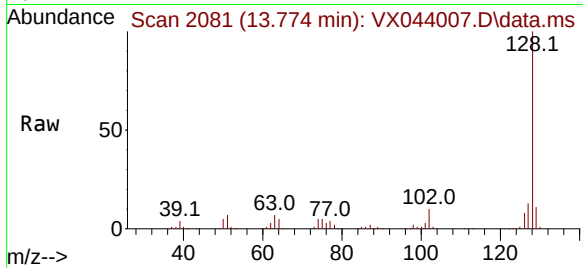




#95  
Naphthalene  
Concen: 18.917 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

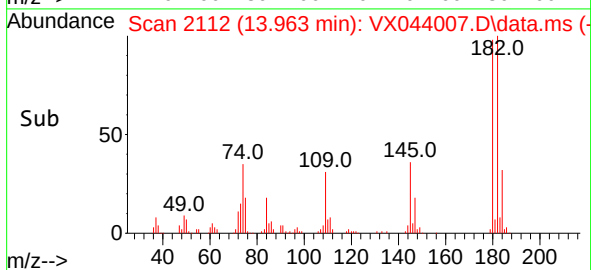
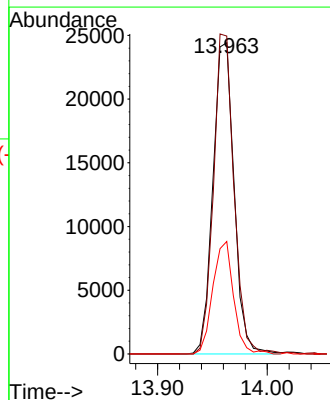
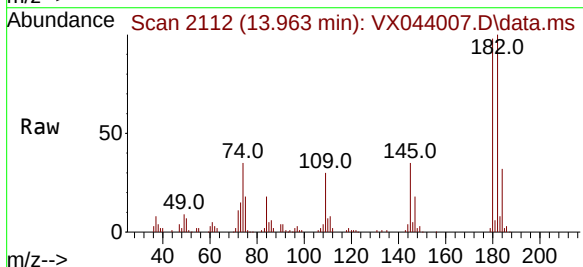
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX1126WBS01

Tgt Ion:128 Resp: 121561  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.2 15.2  
129 10.4 8.6 12.8



#96  
1,2,3-Trichlorobenzene  
Concen: 18.123 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.000 min  
Lab File: VX044007.D  
Acq: 26 Nov 2024 11:17

Tgt Ion:180 Resp: 32745  
Ion Ratio Lower Upper  
180 100  
182 99.7 45.6 136.8  
145 35.6 16.4 49.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 129622   | 50.000 | ug/l  | 0.01     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 232929   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.055 | 117  | 201501   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 94669    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |         |
|-----------------------------|--------|-------|----------|----------|------|---------|
| System Monitoring Compounds |        |       |          |          |      |         |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 101649   | 45.721   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 91.440% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 76704    | 46.085   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 92.180% |
| 50) Toluene-d8              | 8.647  | 98    | 252602   | 44.028   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 88.060% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 90209    | 46.200   | ug/l | 0.00    |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 92.400% |

|                              |       |     |         |         |        |     |
|------------------------------|-------|-----|---------|---------|--------|-----|
| Target Compounds             |       |     |         |         | Qvalue |     |
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 68775   | 41.882  | ug/l   | 96  |
| 3) Chloromethane             | 1.294 | 50  | 76126   | 44.054  | ug/l   | 99  |
| 4) Vinyl Chloride            | 1.374 | 62  | 80988   | 44.064  | ug/l   | 95  |
| 5) Bromomethane              | 1.593 | 94  | 52561   | 46.486  | ug/l   | 99  |
| 6) Chloroethane              | 1.666 | 64  | 55628   | 49.670  | ug/l   | 95  |
| 7) Trichlorofluoromethane    | 1.867 | 101 | 158089  | 48.109  | ug/l   | 100 |
| 8) Diethyl Ether             | 2.136 | 74  | 55276   | 46.152  | ug/l   | 98  |
| 9) 1,1,2-Trichlorotrifluo... | 2.313 | 101 | 68171   | 43.492  | ug/l   | 99  |
| 10) Methyl Iodide            | 2.441 | 142 | 87750   | 44.825  | ug/l   | 98  |
| 11) Tert butyl alcohol       | 2.995 | 59  | 78482   | 219.930 | ug/l   | 100 |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 64654   | 43.287  | ug/l   | 97  |
| 13) Acrolein                 | 2.233 | 56  | 107494  | 285.786 | ug/l   | 98  |
| 14) Allyl chloride           | 2.654 | 41  | 111244  | 45.581  | ug/l   | 99  |
| 15) Acrylonitrile            | 3.068 | 53  | 203086  | 233.535 | ug/l   | 99  |
| 16) Acetone                  | 2.386 | 43  | 204874  | 200.637 | ug/l   | 99  |
| 17) Carbon Disulfide         | 2.502 | 76  | 111407  | 36.160  | ug/l   | 100 |
| 18) Methyl Acetate           | 2.703 | 43  | 110130  | 46.313  | ug/l   | 98  |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 250264  | 46.146  | ug/l   | 100 |
| 20) Methylene Chloride       | 2.782 | 84  | 75327   | 43.471  | ug/l   | 99  |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 68292   | 44.286  | ug/l   | 95  |
| 22) Diisopropyl ether        | 3.763 | 45  | 242444  | 46.457  | ug/l   | 96  |
| 23) Vinyl Acetate            | 3.721 | 43  | 1045717 | 234.240 | ug/l   | 99  |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 138967  | 46.159  | ug/l   | 99  |
| 25) 2-Butanone               | 4.568 | 43  | 303762  | 230.549 | ug/l   | 97  |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 117669  | 43.277  | ug/l   | 100 |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 85466   | 44.837  | ug/l   | 98  |
| 28) Bromochloromethane       | 4.891 | 49  | 55252   | 41.693  | ug/l   | 96  |
| 29) Tetrahydrofuran          | 5.007 | 42  | 185959  | 230.219 | ug/l   | 99  |
| 30) Chloroform               | 5.086 | 83  | 149860  | 46.281  | ug/l   | 96  |
| 31) Cyclohexane              | 5.464 | 56  | 102682  | 41.440  | ug/l   | 96  |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 127750  | 45.750  | ug/l   | 98  |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 93123   | 44.899  | ug/l   | 98  |
| 37) Ethyl Acetate            | 4.715 | 43  | 118849  | 46.163  | ug/l   | 99  |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 102840  | 44.128  | ug/l   | 100 |
| 39) Methylcyclohexane        | 7.373 | 83  | 109854  | 40.771  | ug/l   | 98  |
| 40) Benzene                  | 6.031 | 78  | 289884  | 44.870  | ug/l   | 98  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
 Data File : VX044022.D  
 Acq On : 26 Nov 2024 17:33  
 Operator : JC/MD  
 Sample : VSTDC0050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDC0050EC

Quant Time: Nov 27 00:56:43 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Nov 22 03:45:52 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 63345    | 48.072  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 119738   | 46.148  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 188292   | 45.956  | ug/l   | 100      |
| 44) Trichloroethene           | 7.123  | 130  | 70853    | 38.741  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 73361    | 46.363  | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 57678    | 46.080  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 104474   | 46.539  | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.696  | 41   | 90452    | 46.007  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 24126    | 688.902 | ug/l # | 79       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 606325   | 242.496 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 177758   | 45.970  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 105266   | 45.983  | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 114622   | 45.674  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 74228    | 46.503  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 116819   | 46.987  | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 125806   | 46.788  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 279354   | 204.586 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 449056   | 238.945 | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 74665    | 46.621  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 76038    | 47.112  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 58837    | 44.283  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.079 | 112  | 195068   | 44.078  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 67421    | 46.975  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 342810   | 45.714  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 256139   | 91.591  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 126387   | 46.288  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 213625   | 47.303  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 44621    | 41.511  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.963 | 105  | 329562   | 45.287  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 157167   | 46.621  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 115162   | 46.217  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 124300   | 59.873  | ug/l   | 82       |
| 77) Bromobenzene              | 11.195 | 156  | 78615    | 45.286  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.305 | 91   | 373275   | 45.927  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 228979   | 44.554  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 270335   | 45.154  | ug/l   | 97       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 31547    | 41.465  | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 263259   | 45.372  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 271471   | 45.748  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 275565   | 46.231  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 329107   | 45.265  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 276004   | 46.734  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 141063   | 44.616  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 142203   | 44.115  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 238553   | 45.814  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 43270    | 43.087  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 143432   | 44.953  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 21456    | 42.974  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 81063    | 43.093  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 32492    | 43.704  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 305240   | 45.077  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 85549    | 44.931  | ug/l   | 96       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX112624\  
Data File : VX044022.D  
Acq On : 26 Nov 2024 17:33  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

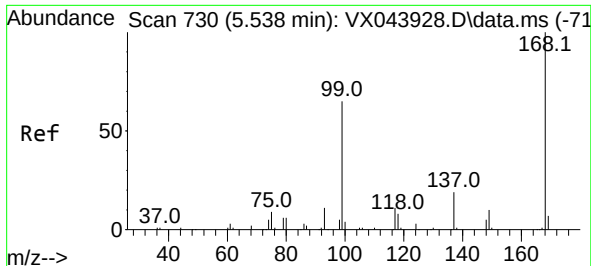
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MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Quant Time: Nov 27 00:56:43 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X112124W.M  
Quant Title : SW846 8260  
QLast Update : Fri Nov 22 03:45:52 2024  
Response via : Initial Calibration

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

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

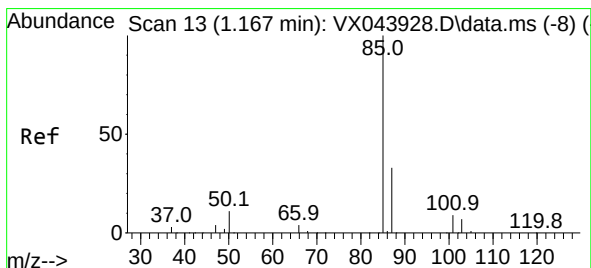
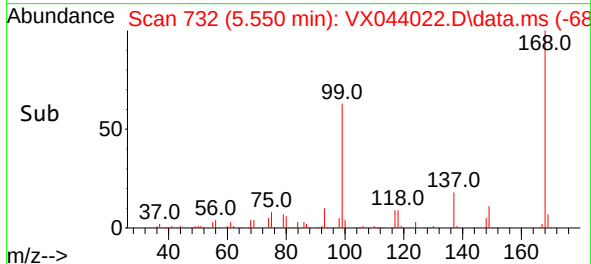
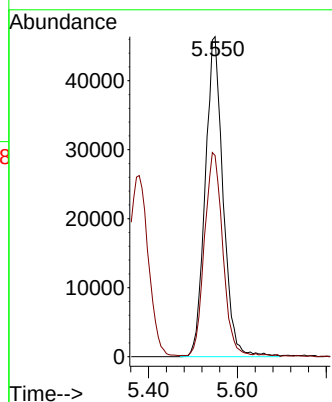
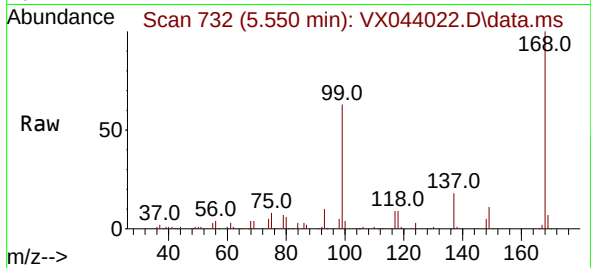




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.012 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

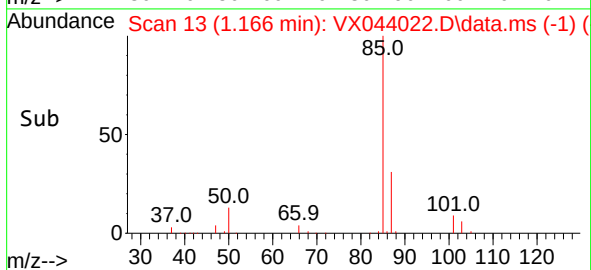
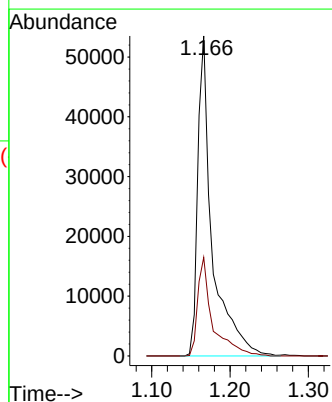
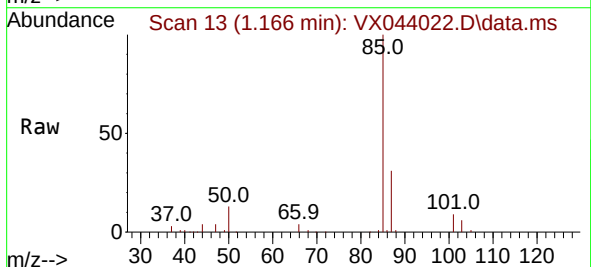
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:168 Resp: 129622  
Ion Ratio Lower Upper  
168 100  
99 62.7 51.8 77.8

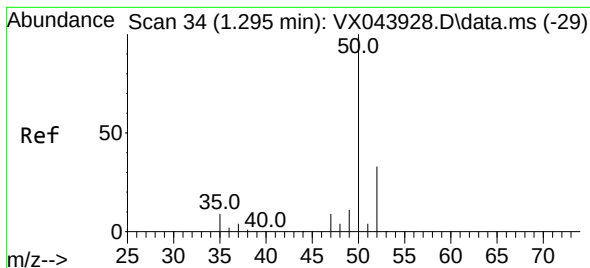


#2  
Dichlorodifluoromethane  
Concen: 41.882 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 85 Resp: 68775  
Ion Ratio Lower Upper  
85 100  
87 30.8 16.6 49.8







#3

Chloromethane

Concen: 44.054 ug/l

RT: 1.294 min Scan# 34

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

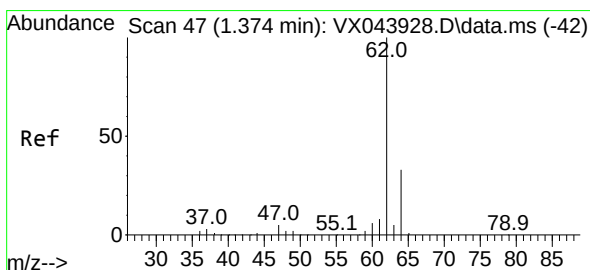
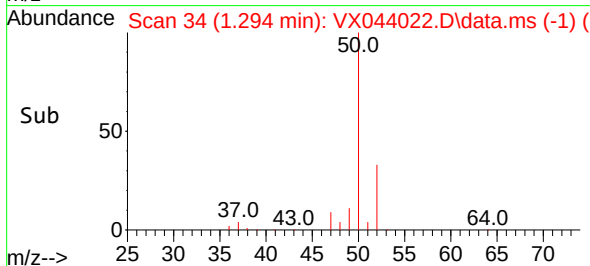
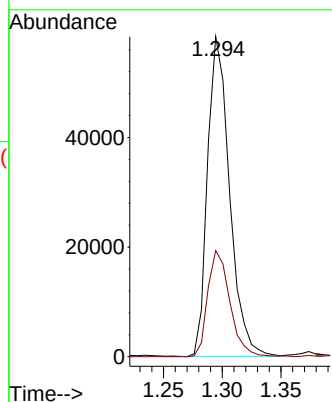
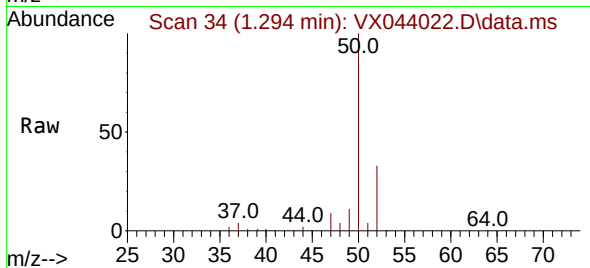
VSTDCCC050EC

Tgt Ion: 50 Resp: 76126

Ion Ratio Lower Upper

50 100

52 33.2 26.1 39.1



#4

Vinyl Chloride

Concen: 44.064 ug/l

RT: 1.374 min Scan# 47

Delta R.T. -0.000 min

Lab File: VX044022.D

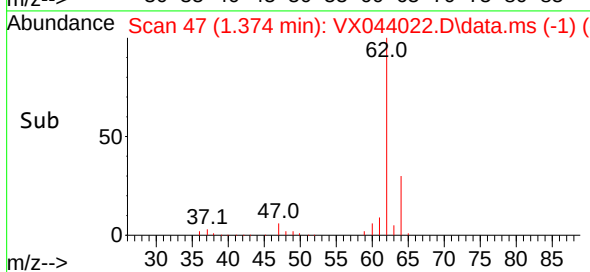
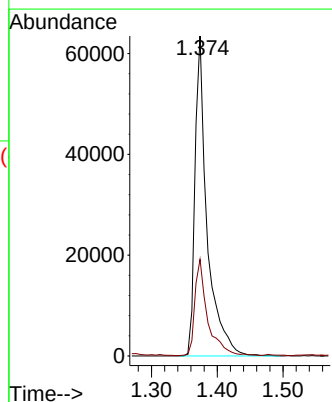
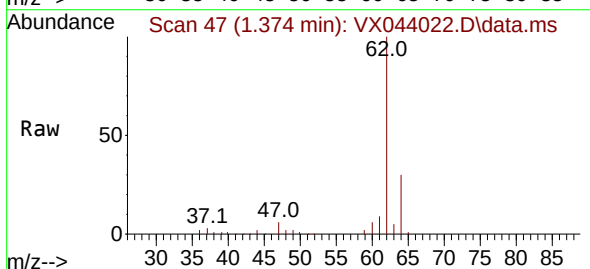
Acq: 26 Nov 2024 17:33

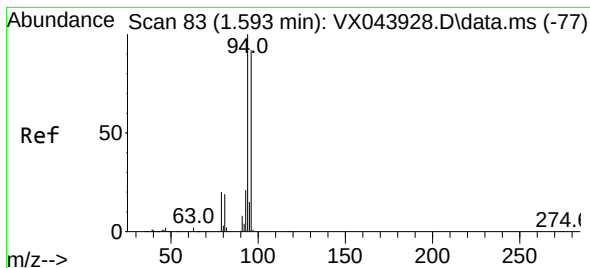
Tgt Ion: 62 Resp: 80988

Ion Ratio Lower Upper

62 100

64 30.0 26.2 39.4





#5

Bromomethane

Concen: 46.486 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

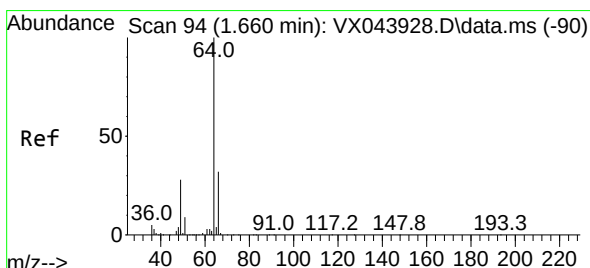
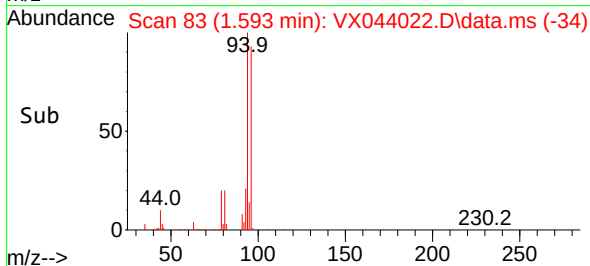
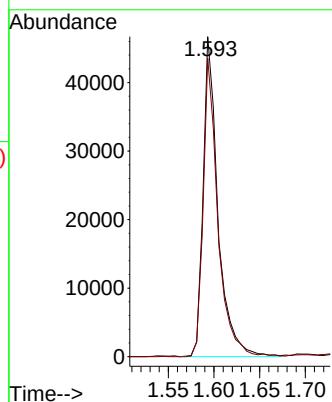
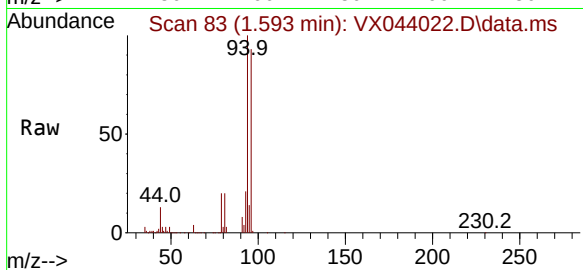
VSTDCCC050EC

Tgt Ion: 94 Resp: 52561

Ion Ratio Lower Upper

94 100

96 93.3 73.9 110.9



#6

Chloroethane

Concen: 49.670 ug/l

RT: 1.666 min Scan# 95

Delta R.T. 0.006 min

Lab File: VX044022.D

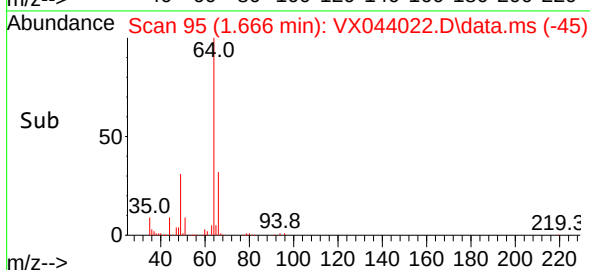
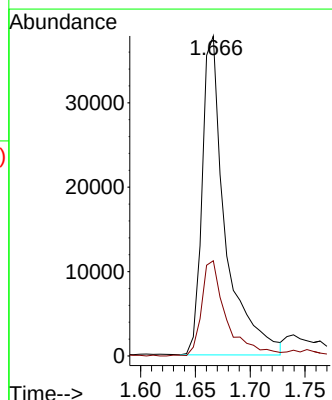
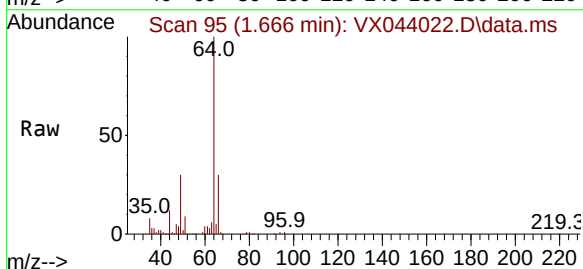
Acq: 26 Nov 2024 17:33

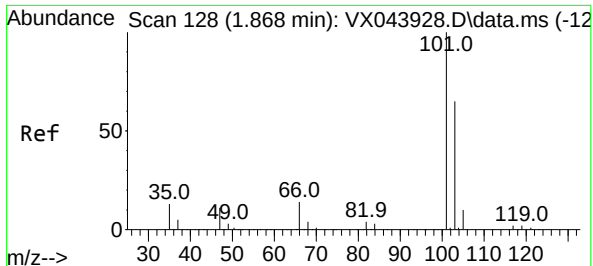
Tgt Ion: 64 Resp: 55628

Ion Ratio Lower Upper

64 100

66 29.6 25.9 38.9

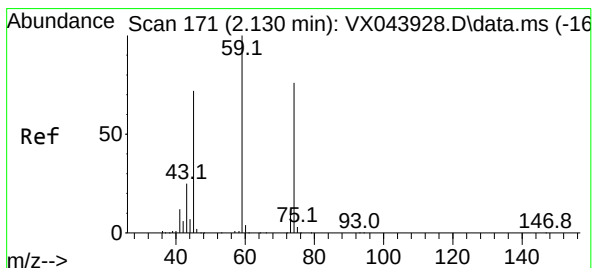
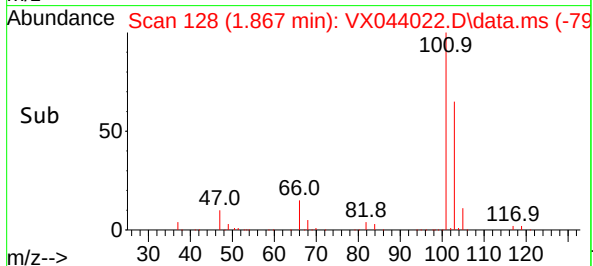
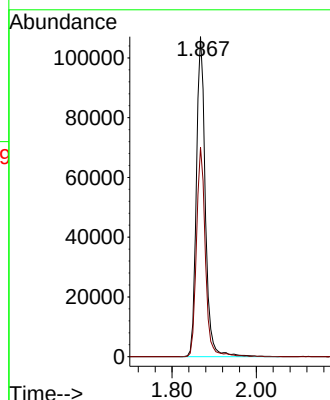
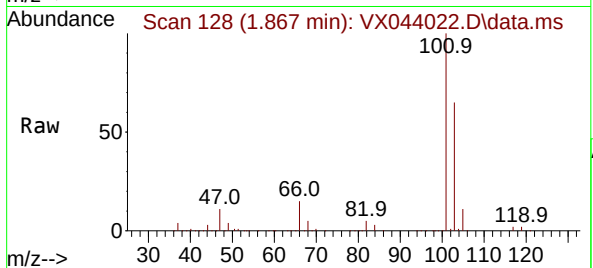




#7  
Trichlorofluoromethane  
Concen: 48.109 ug/l  
RT: 1.867 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

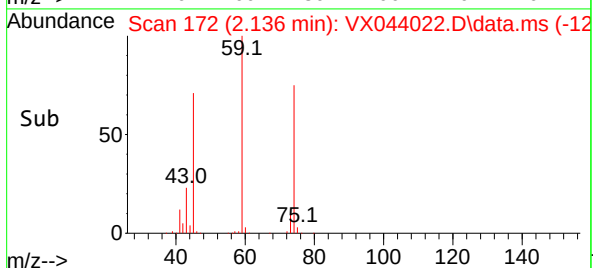
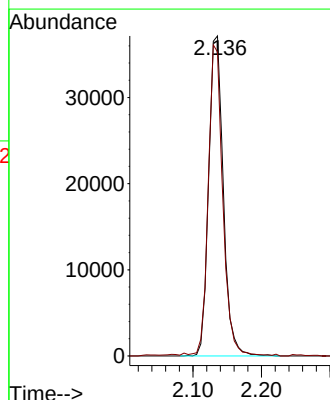
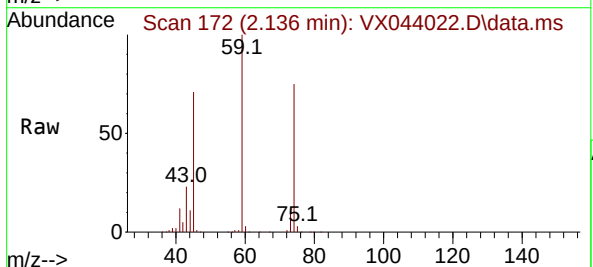
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

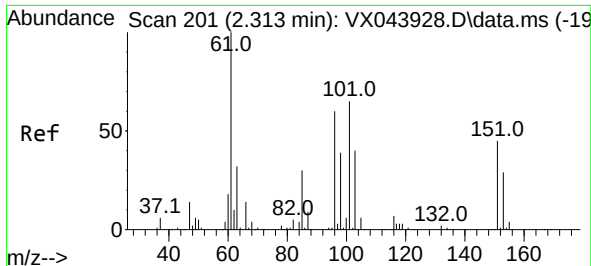
Tgt Ion:101 Resp: 158089  
Ion Ratio Lower Upper  
101 100  
103 65.4 52.2 78.2



#8  
Diethyl Ether  
Concen: 46.152 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 74 Resp: 55276  
Ion Ratio Lower Upper  
74 100  
45 97.3 47.9 143.6

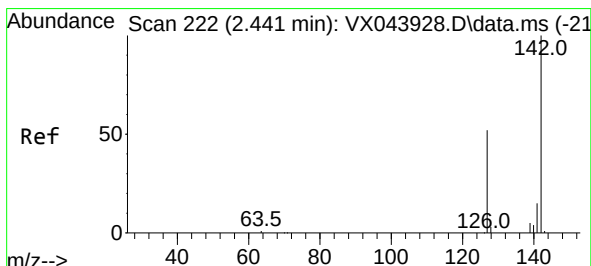
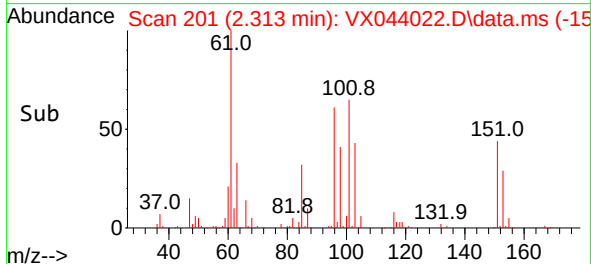
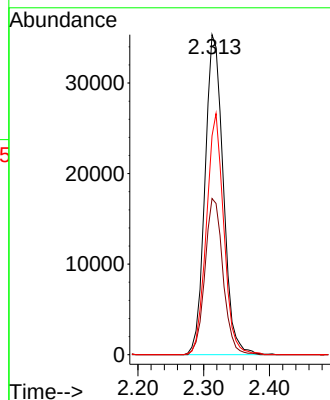
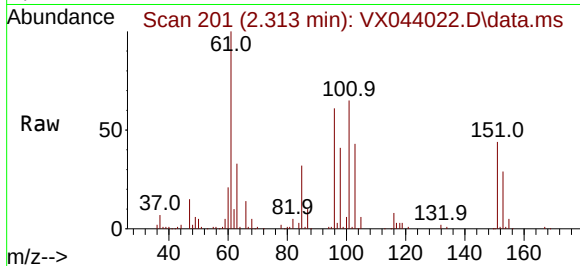




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 43.492 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

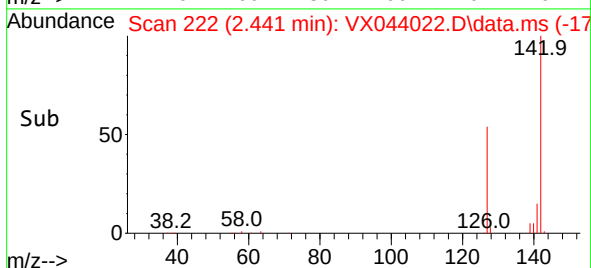
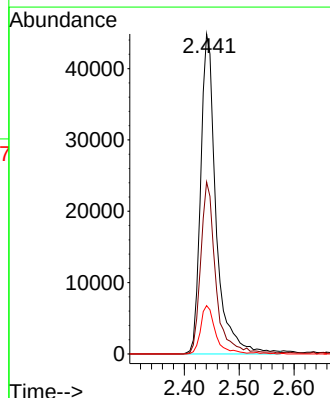
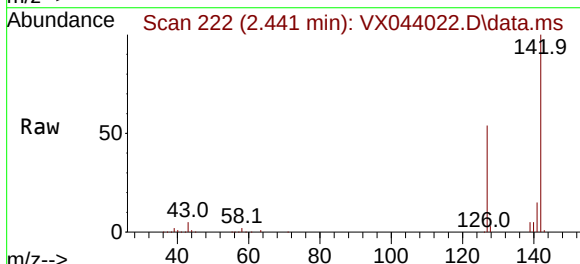
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

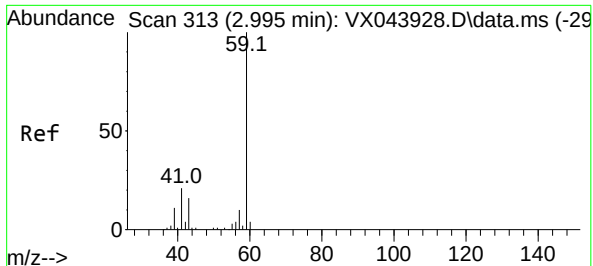
Tgt Ion:101 Resp: 68171  
Ion Ratio Lower Upper  
101 100  
85 48.3 37.9 56.9  
151 71.9 57.5 86.3



#10  
Methyl Iodide  
Concen: 44.825 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:142 Resp: 87750  
Ion Ratio Lower Upper  
142 100  
127 52.8 40.7 61.1  
141 14.6 12.0 18.0

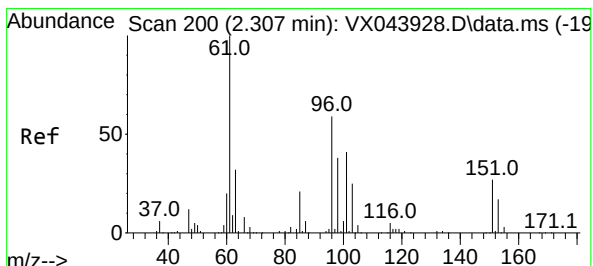
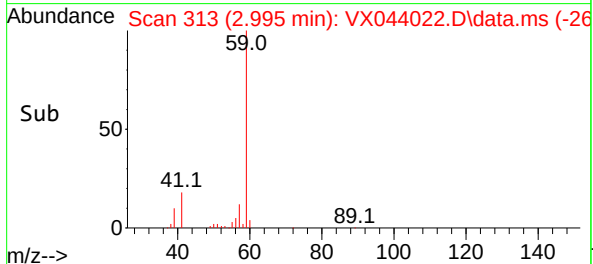
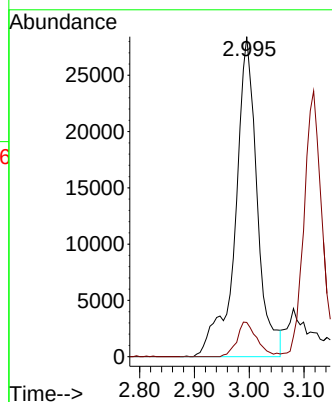
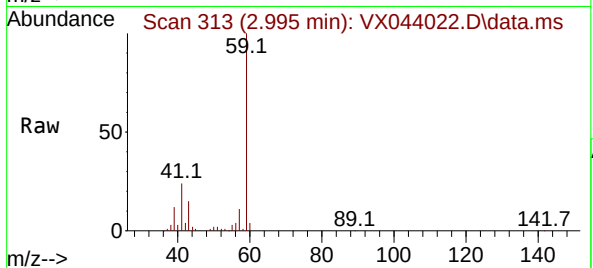




#11  
Tert butyl alcohol  
Concen: 219.930 ug/l  
RT: 2.995 min Scan# 313  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

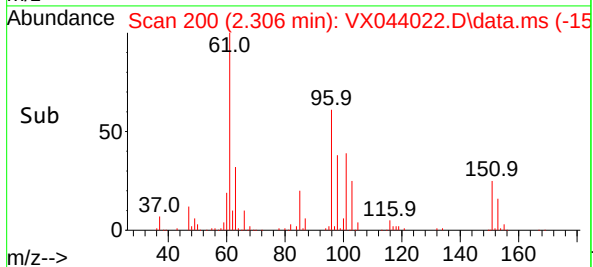
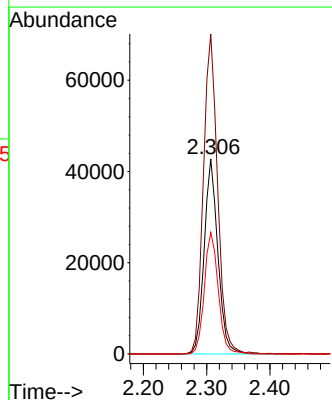
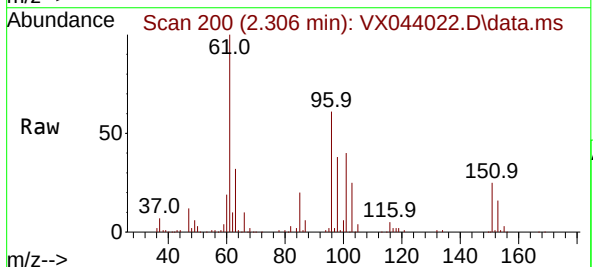
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

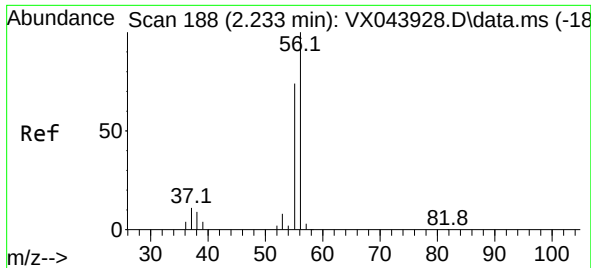
Tgt Ion: 59 Resp: 78482  
Ion Ratio Lower Upper  
59 100  
57 10.1 7.9 11.9



#12  
1,1-Dichloroethene  
Concen: 43.287 ug/l  
RT: 2.306 min Scan# 200  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 96 Resp: 64654  
Ion Ratio Lower Upper  
96 100  
61 164.1 135.5 203.3  
98 62.3 50.8 76.2





#13

Acrolein

Concen: 285.786 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

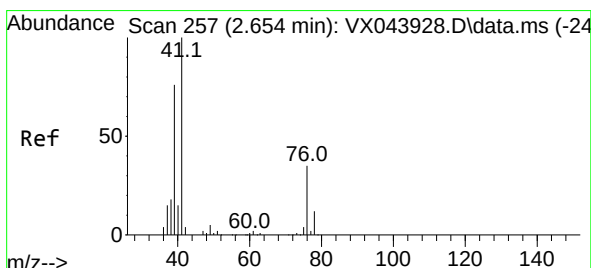
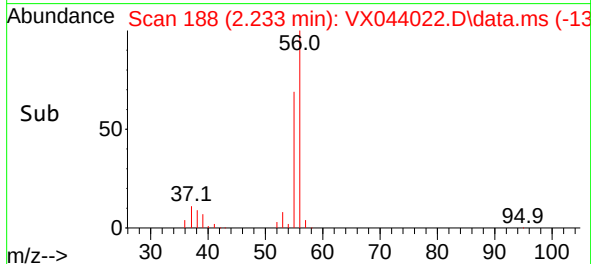
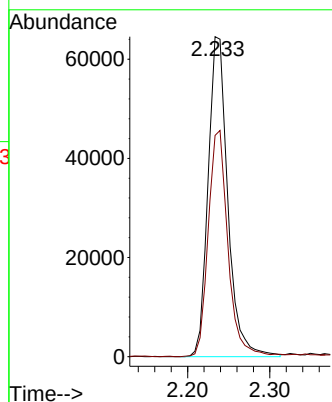
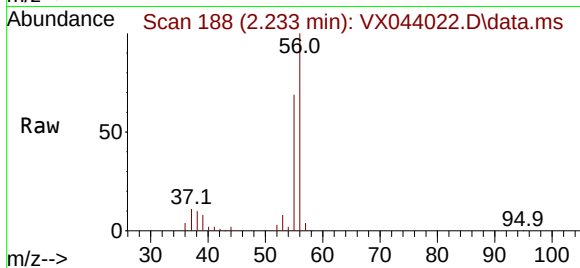
VSTDCCC050EC

Tgt Ion: 56 Resp: 107494

Ion Ratio Lower Upper

56 100

55 71.0 58.2 87.2



#14

Allyl chloride

Concen: 45.581 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

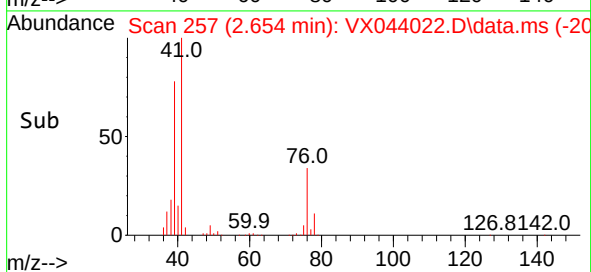
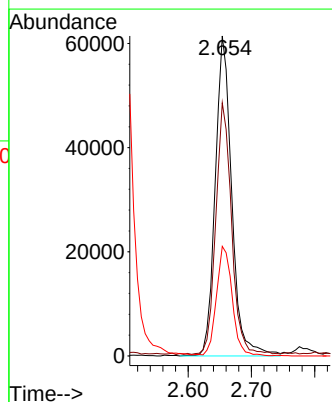
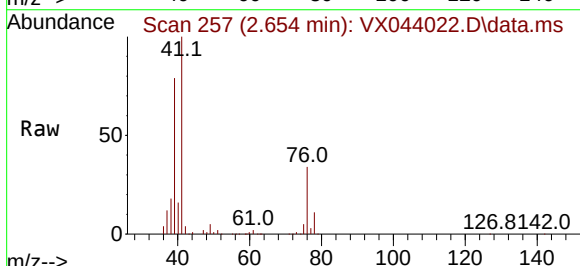
Tgt Ion: 41 Resp: 111244

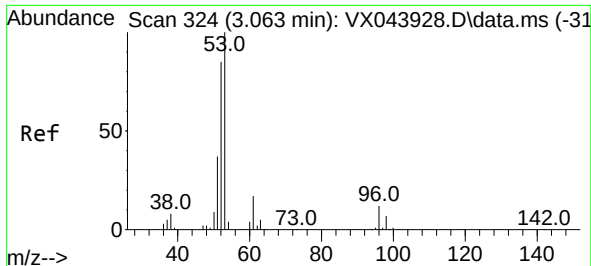
Ion Ratio Lower Upper

41 100

39 74.8 59.5 89.3

76 32.4 27.4 41.2

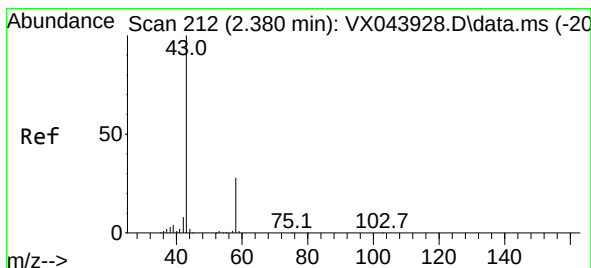
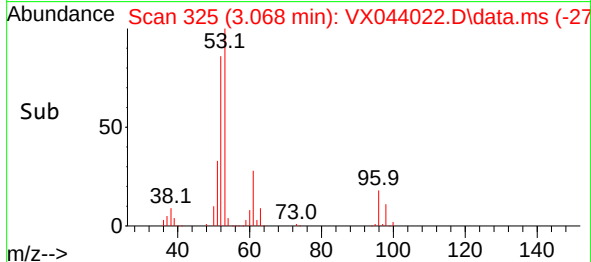
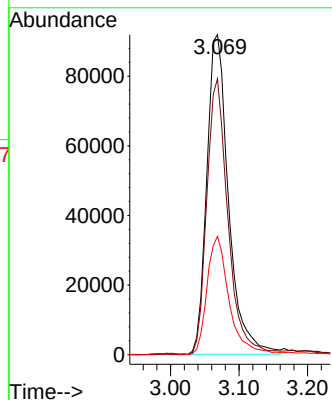
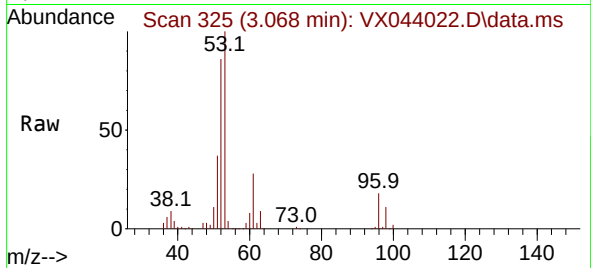




#15  
Acrylonitrile  
Concen: 233.535 ug/l  
RT: 3.068 min Scan# 31  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

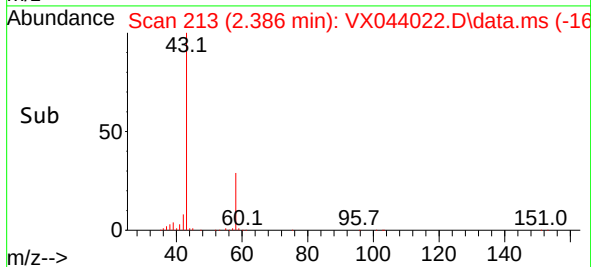
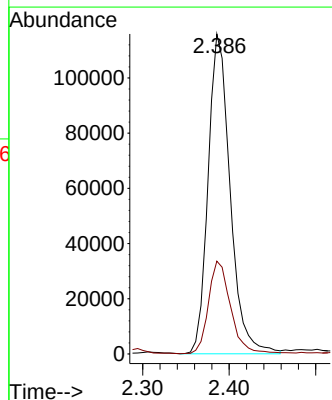
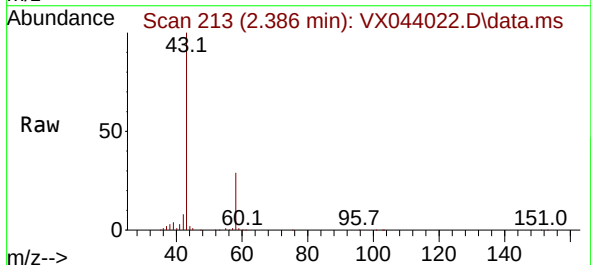
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

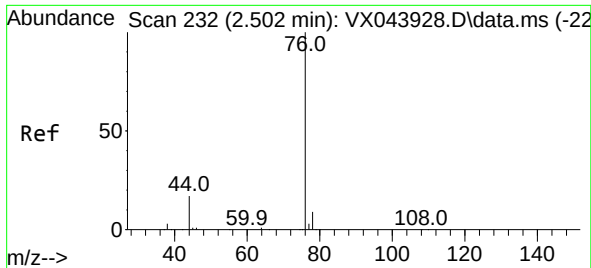
Tgt Ion: 53 Resp: 203086  
Ion Ratio Lower Upper  
53 100  
52 83.9 66.5 99.7  
51 37.6 30.2 45.4



#16  
Acetone  
Concen: 200.637 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 204874  
Ion Ratio Lower Upper  
43 100  
58 28.9 22.7 34.1

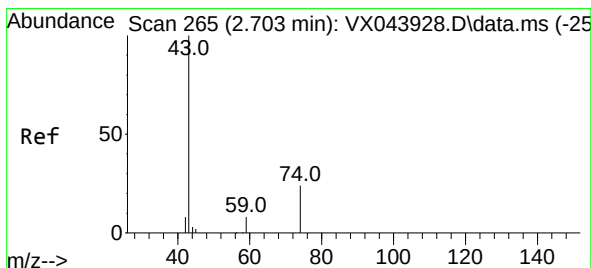
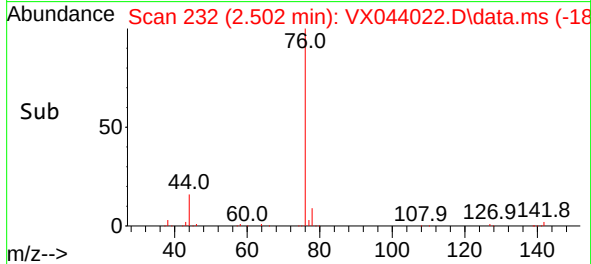
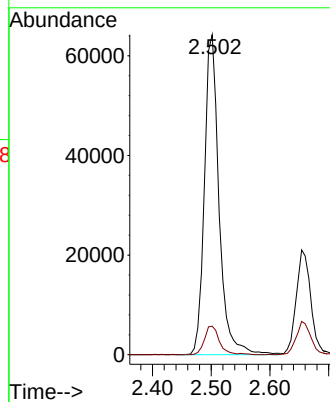
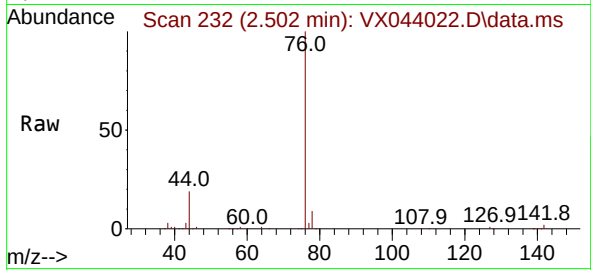




#17  
Carbon Disulfide  
Concen: 36.160 ug/l  
RT: 2.502 min Scan# 211  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

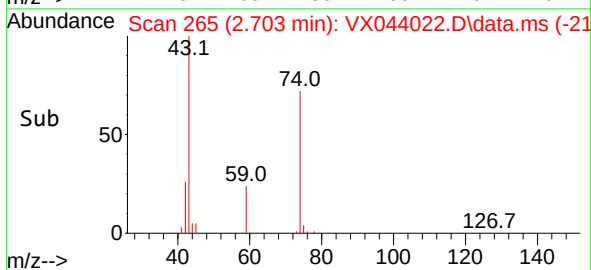
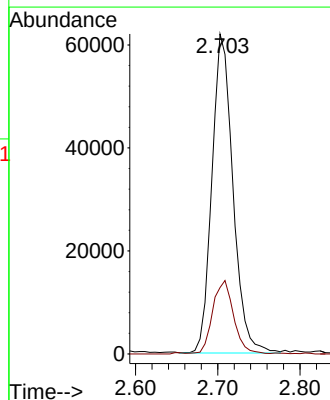
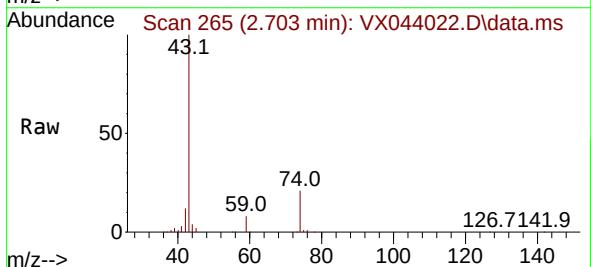
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 76 Resp: 111407  
Ion Ratio Lower Upper  
76 100  
78 8.9 7.0 10.6

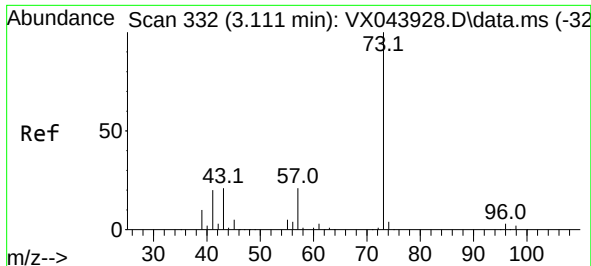


#18  
Methyl Acetate  
Concen: 46.313 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 110130  
Ion Ratio Lower Upper  
43 100  
74 22.5 18.9 28.3



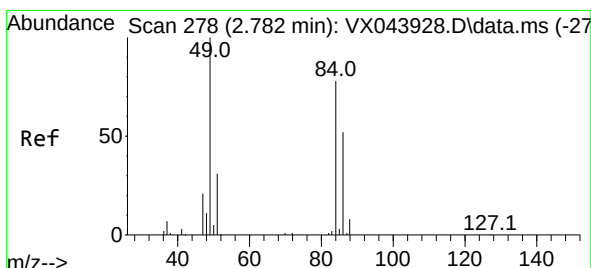
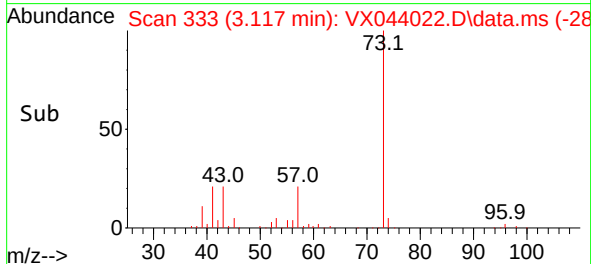
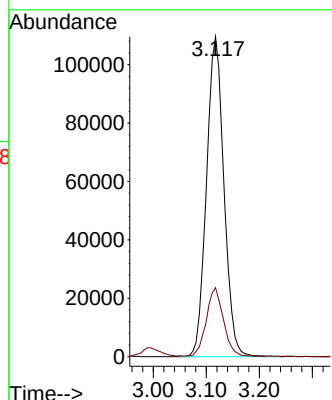
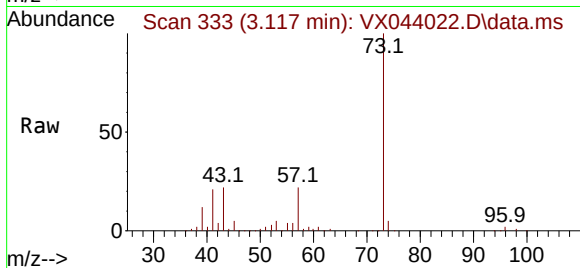




#19  
Methyl tert-butyl Ether  
Concen: 46.146 ug/l  
RT: 3.117 min Scan# 311  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

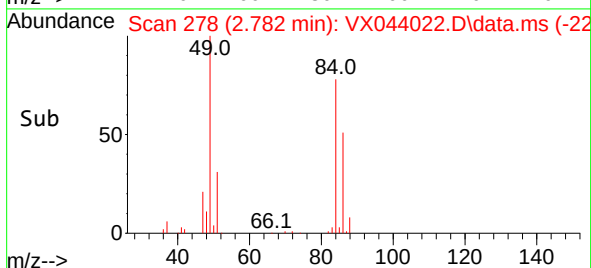
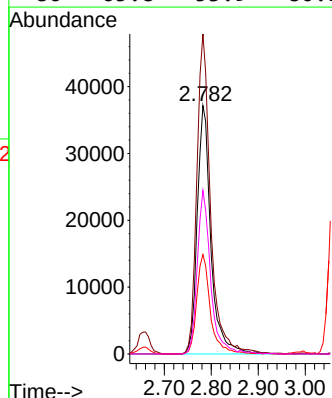
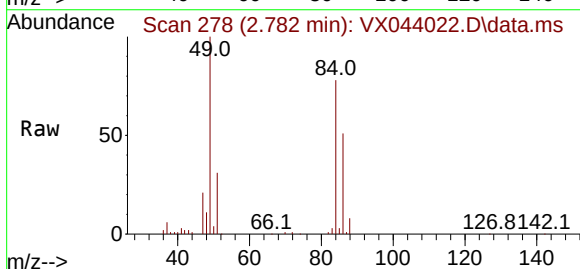
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

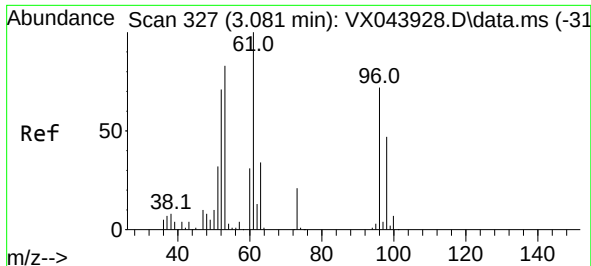
Tgt Ion: 73 Resp: 250264  
Ion Ratio Lower Upper  
73 100  
57 21.4 17.0 25.6



#20  
Methylene Chloride  
Concen: 43.471 ug/l  
RT: 2.782 min Scan# 278  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 84 Resp: 75327  
Ion Ratio Lower Upper  
84 100  
49 128.9 102.7 154.1  
51 40.0 31.7 47.5  
86 65.8 53.9 80.9

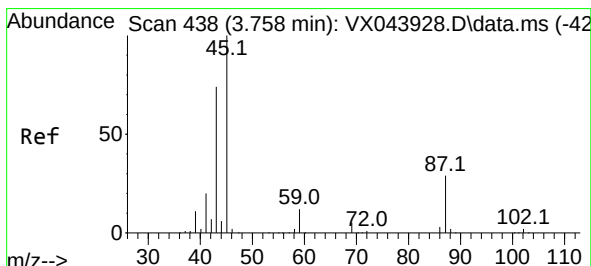
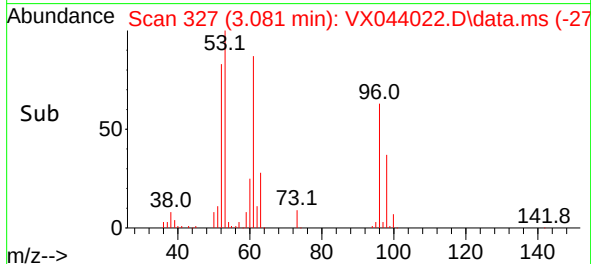
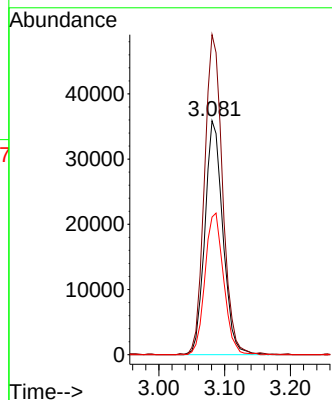
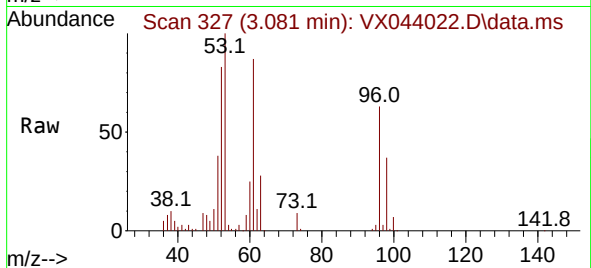




#21  
trans-1,2-Dichloroethene  
Concen: 44.286 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

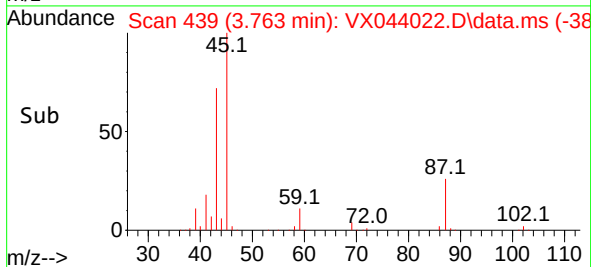
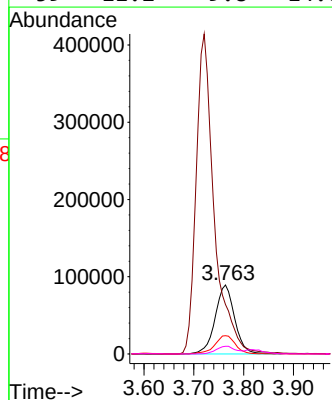
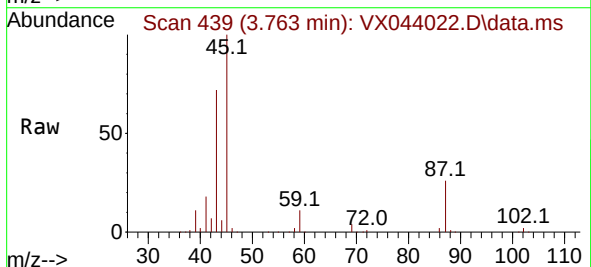
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

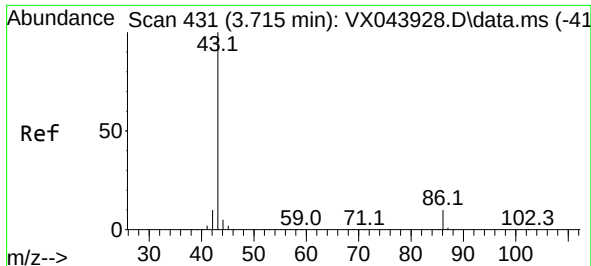
Tgt Ion: 96 Resp: 68292  
Ion Ratio Lower Upper  
96 100  
61 136.7 111.8 167.6  
98 58.8 52.7 79.1



#22  
Diisopropyl ether  
Concen: 46.457 ug/l  
RT: 3.763 min Scan# 439  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 45 Resp: 242444  
Ion Ratio Lower Upper  
45 100  
43 71.5 59.6 89.4  
87 26.5 22.9 34.3  
59 11.2 9.8 14.6

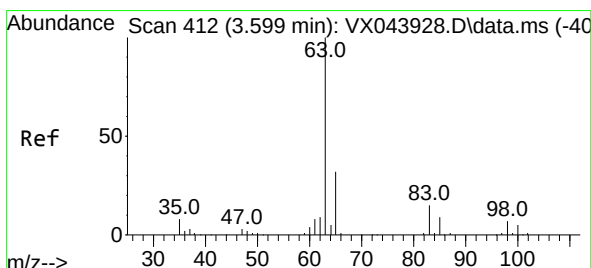
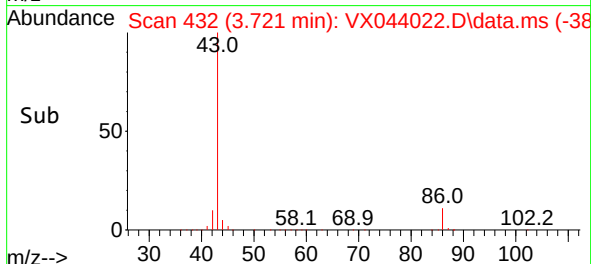
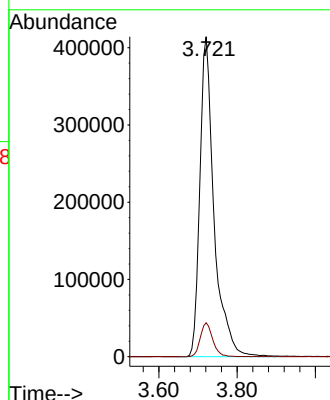
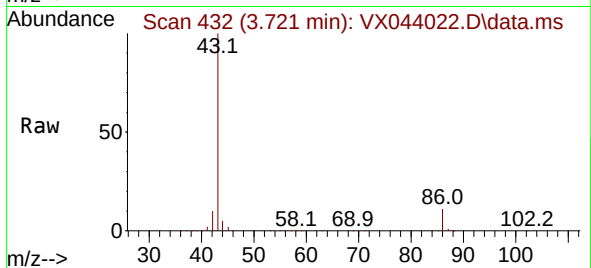




#23  
 Vinyl Acetate  
 Concen: 234.240 ug/l  
 RT: 3.721 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX044022.D  
 Acq: 26 Nov 2024 17:33

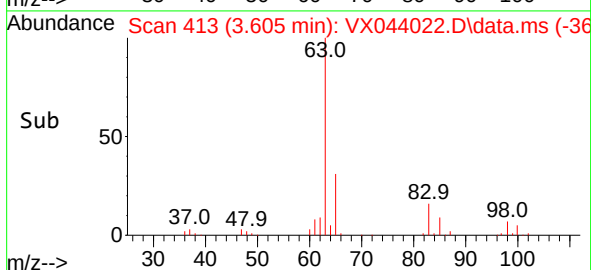
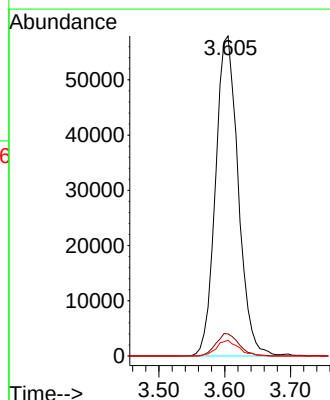
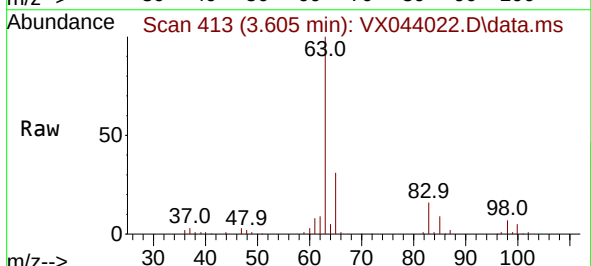
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

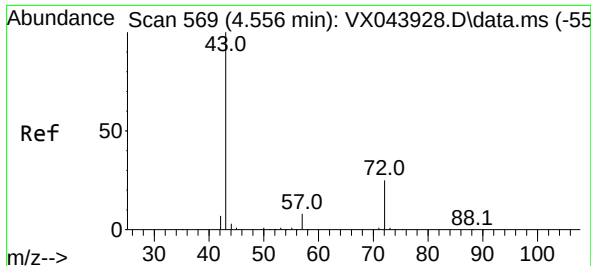
Tgt Ion: 43 Resp: 1045717  
 Ion Ratio Lower Upper  
 43 100  
 86 10.6 8.3 12.5



#24  
 1,1-Dichloroethane  
 Concen: 46.159 ug/l  
 RT: 3.605 min Scan# 413  
 Delta R.T. 0.006 min  
 Lab File: VX044022.D  
 Acq: 26 Nov 2024 17:33

Tgt Ion: 63 Resp: 138967  
 Ion Ratio Lower Upper  
 63 100  
 98 6.9 3.5 10.6  
 100 4.9 2.4 7.1

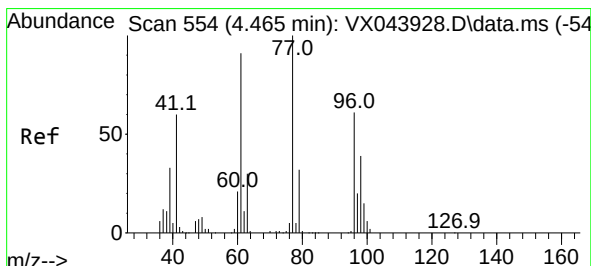
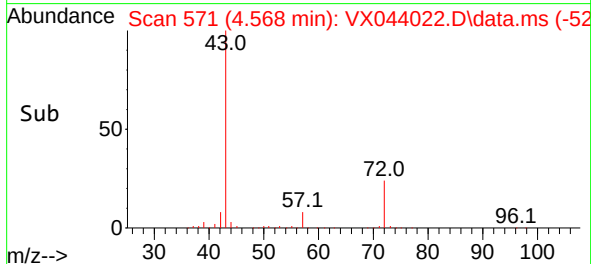
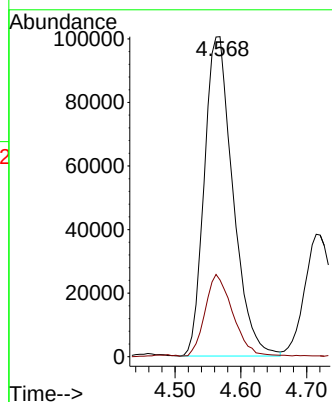
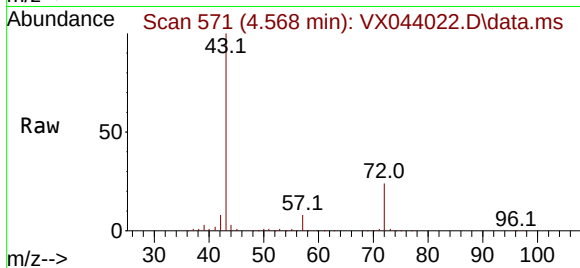




#25  
2-Butanone  
Concen: 230.549 ug/l  
RT: 4.568 min Scan# 51  
Delta R.T. 0.012 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

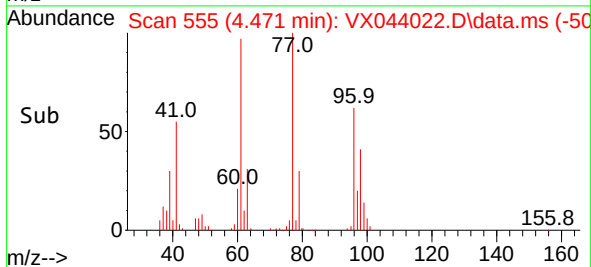
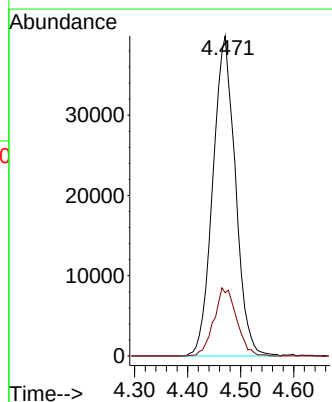
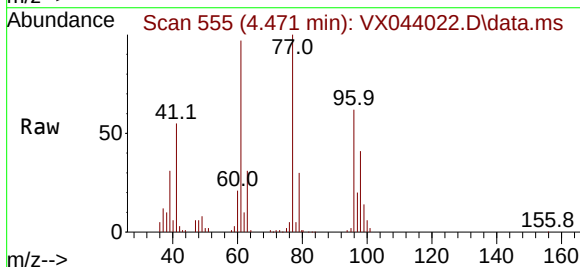
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

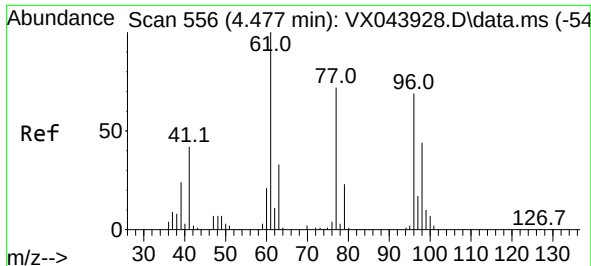
Tgt Ion: 43 Resp: 303762  
Ion Ratio Lower Upper  
43 100  
72 23.9 20.2 30.2



#26  
2,2-Dichloropropane  
Concen: 43.277 ug/l  
RT: 4.471 min Scan# 555  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 77 Resp: 117669  
Ion Ratio Lower Upper  
77 100  
97 21.5 10.8 32.3





#27

cis-1,2-Dichloroethene

Concen: 44.837 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

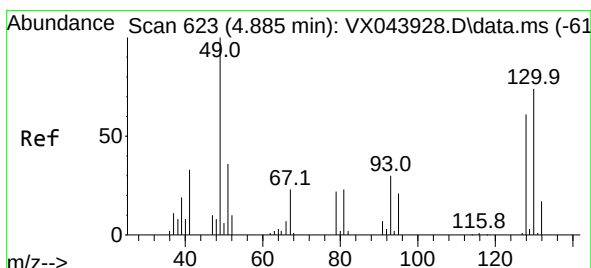
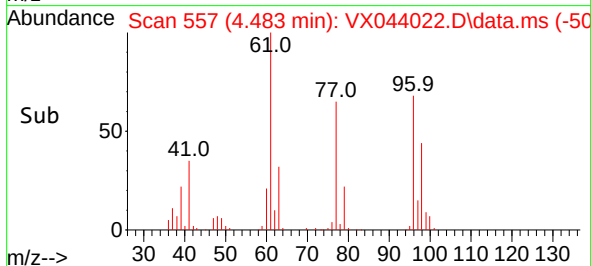
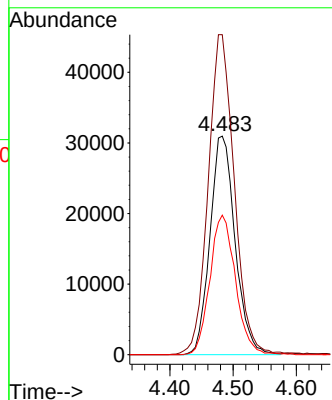
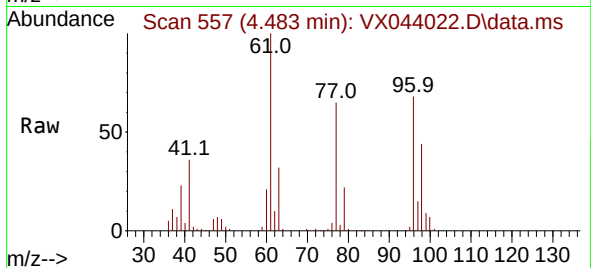
Tgt Ion: 96 Resp: 85466

Ion Ratio Lower Upper

96 100

61 152.3 0.0 297.4

98 65.1 0.0 127.8



#28

Bromochloromethane

Concen: 41.693 ug/l

RT: 4.891 min Scan# 624

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

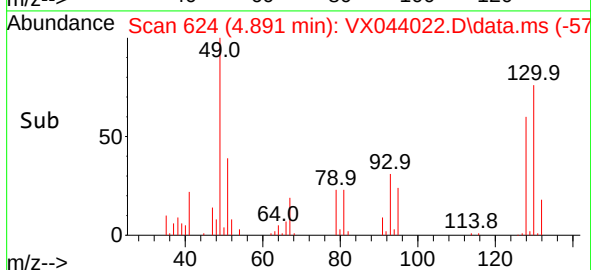
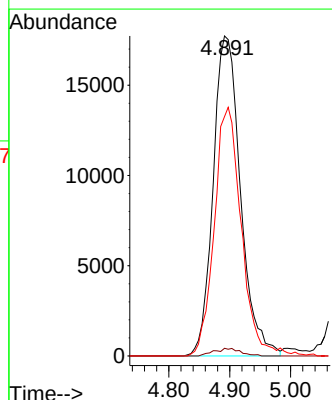
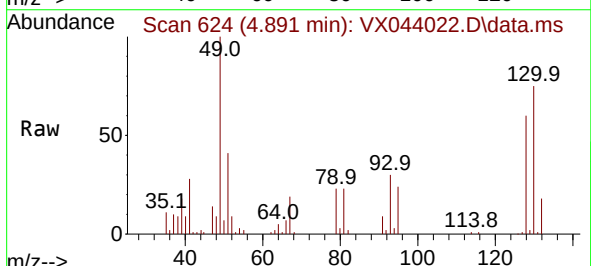
Tgt Ion: 49 Resp: 55252

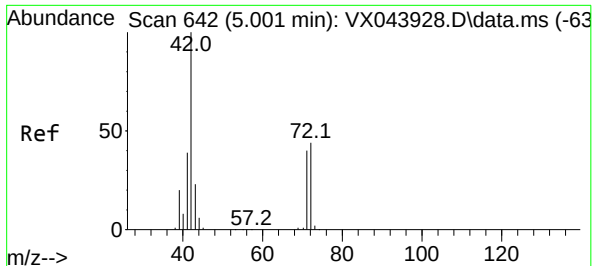
Ion Ratio Lower Upper

49 100

129 2.3 0.0 4.0

130 77.0 59.0 88.6





#29

Tetrahydrofuran

Concen: 230.219 ug/l

RT: 5.007 min Scan# 64

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

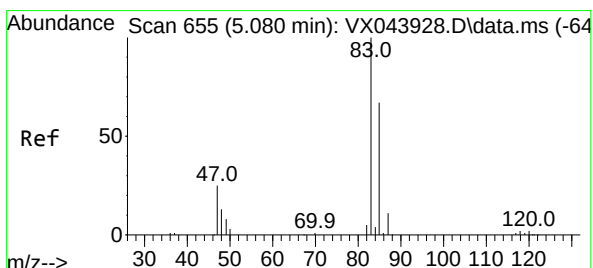
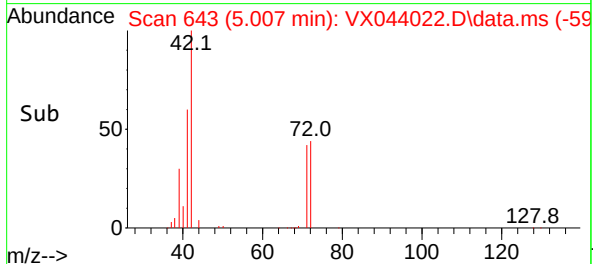
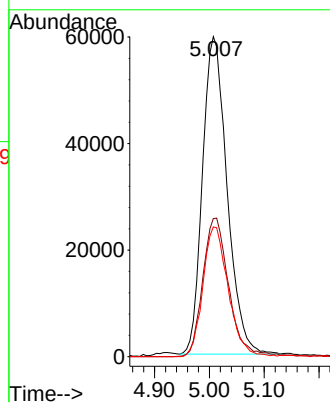
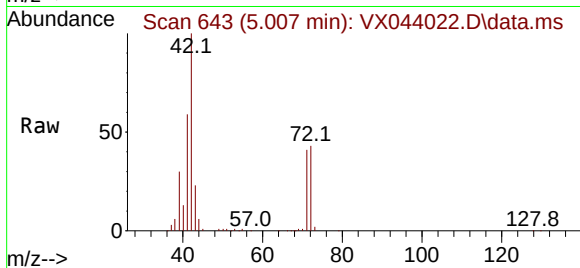
Tgt Ion: 42 Resp: 185959

Ion Ratio Lower Upper

42 100

72 46.2 36.4 54.6

71 42.0 33.4 50.0



#30

Chloroform

Concen: 46.281 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX044022.D

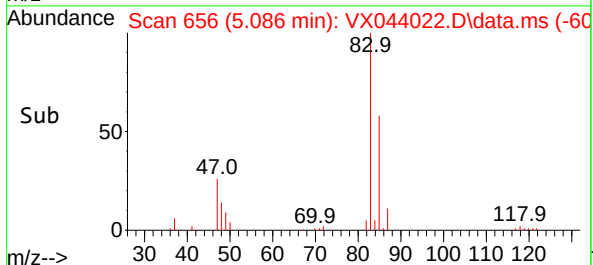
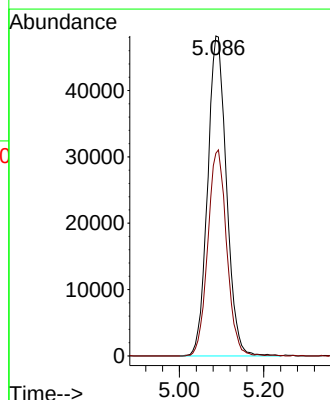
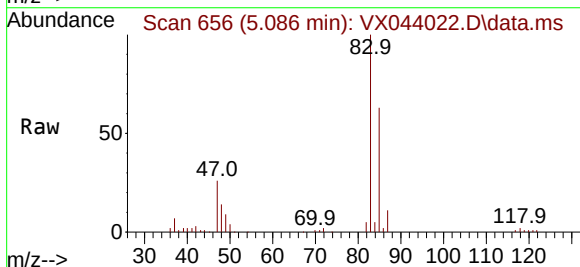
Acq: 26 Nov 2024 17:33

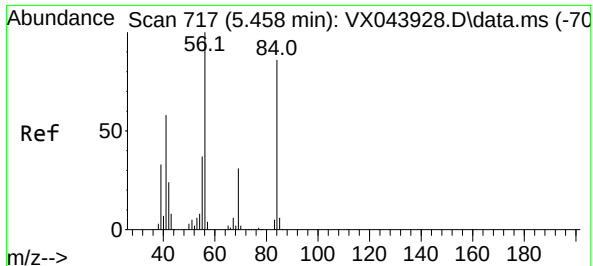
Tgt Ion: 83 Resp: 149860

Ion Ratio Lower Upper

83 100

85 63.3 53.5 80.3

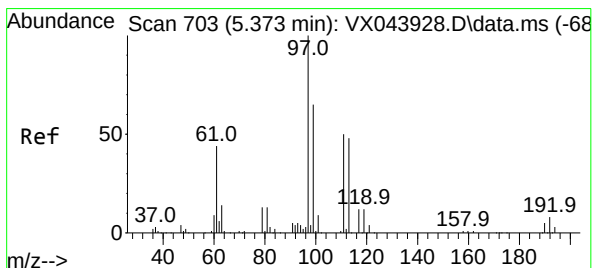
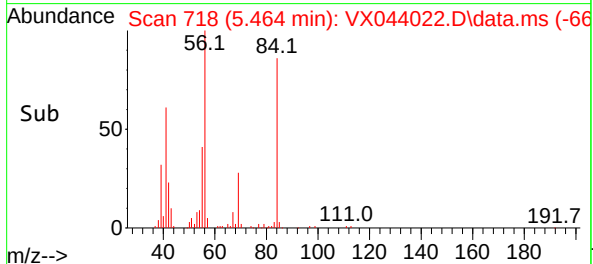
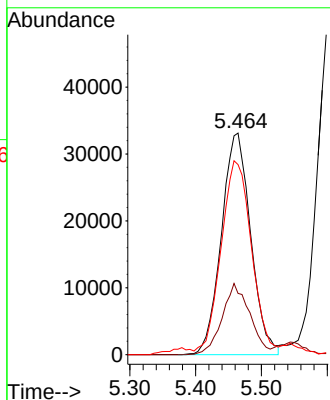
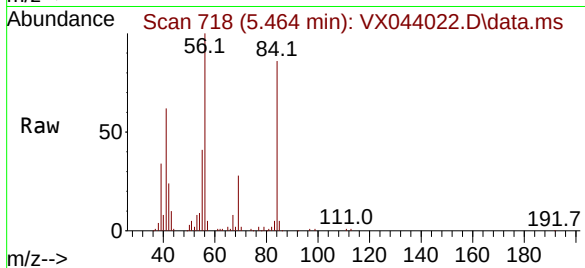




#31  
Cyclohexane  
Concen: 41.440 ug/l  
RT: 5.464 min Scan# 718  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

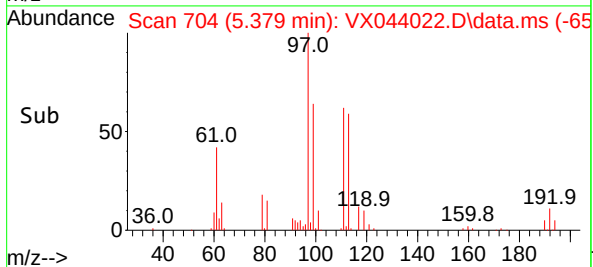
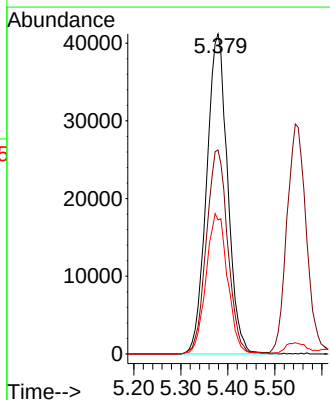
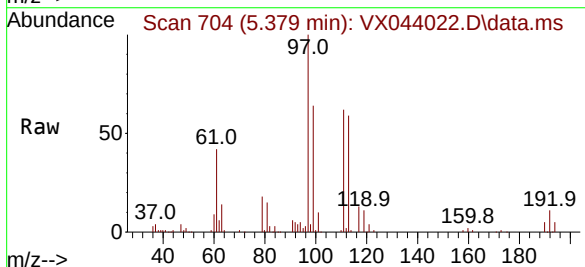
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

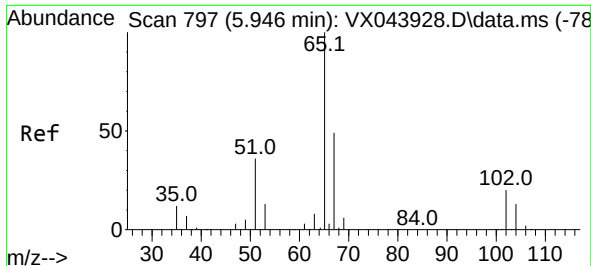
Tgt Ion: 56 Resp: 102682  
Ion Ratio Lower Upper  
56 100  
69 27.6 24.7 37.1  
84 83.3 68.7 103.1



#32  
1,1,1-Trichloroethane  
Concen: 45.750 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 97 Resp: 127750  
Ion Ratio Lower Upper  
97 100  
99 65.0 50.8 76.2  
61 45.0 35.4 53.2





#33

1,2-Dichloroethane-d4

Concen: 45.721 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

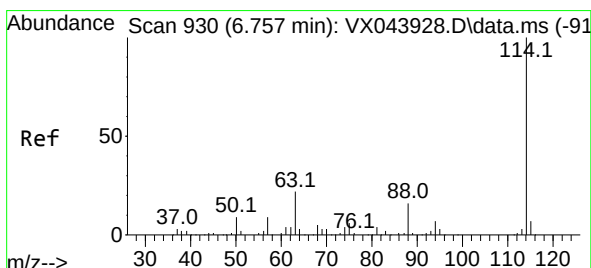
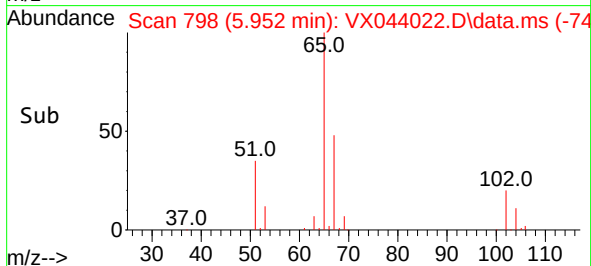
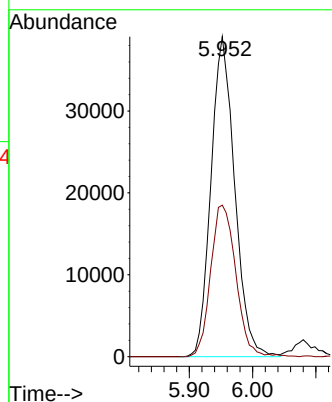
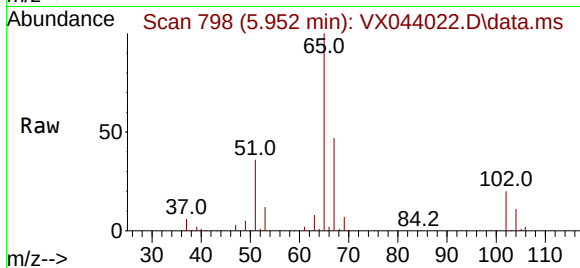
VSTDCCC050EC

Tgt Ion: 65 Resp: 101649

Ion Ratio Lower Upper

65 100

67 50.4 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

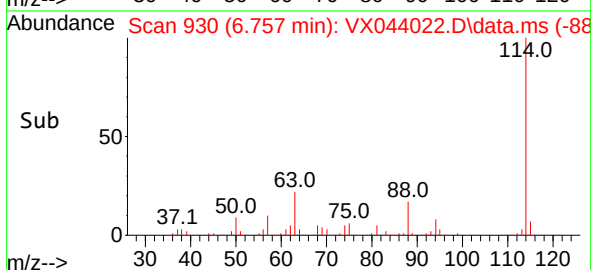
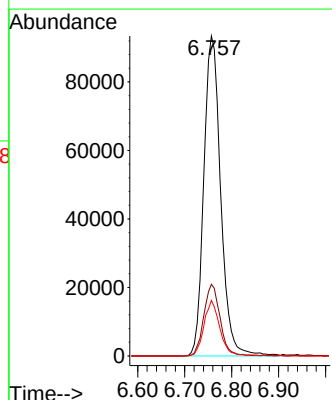
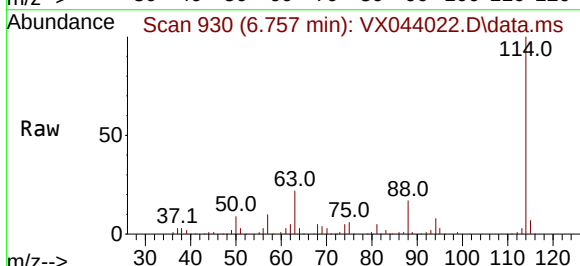
Tgt Ion: 114 Resp: 232929

Ion Ratio Lower Upper

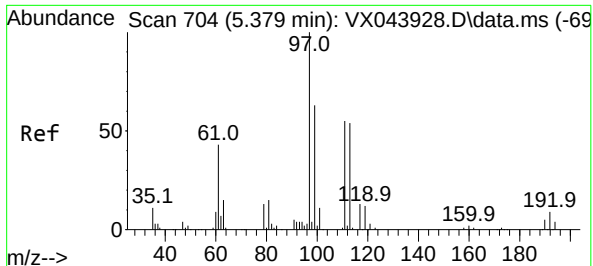
114 100

63 22.4 0.0 44.0

88 17.4 0.0 32.4



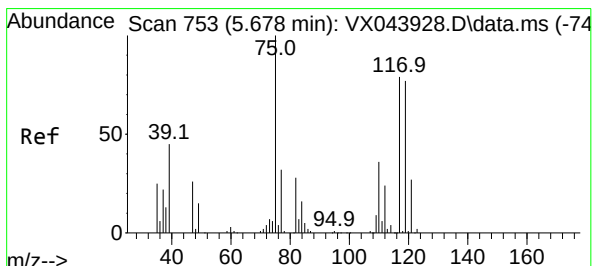
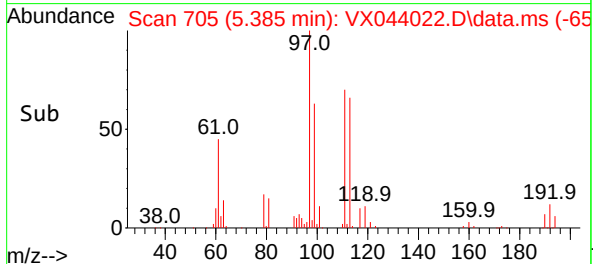
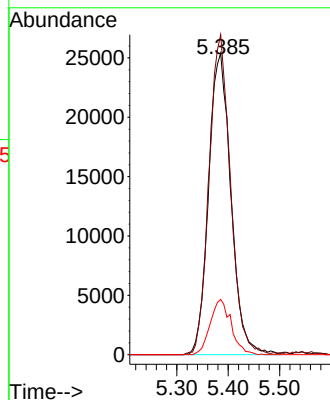
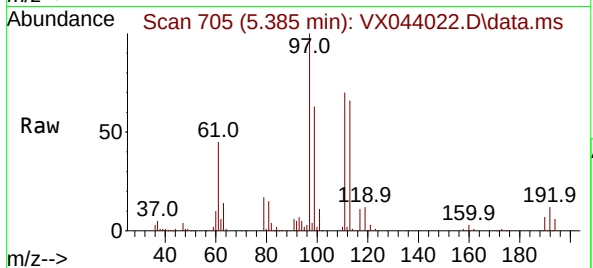




#35  
Dibromofluoromethane  
Concen: 46.085 ug/l  
RT: 5.385 min Scan# 704  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

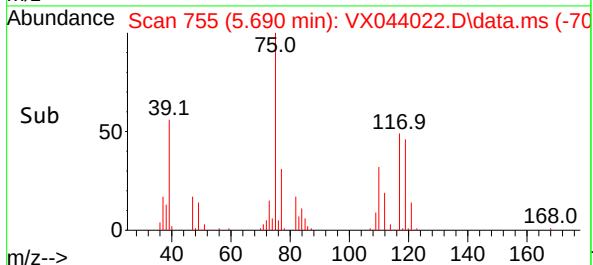
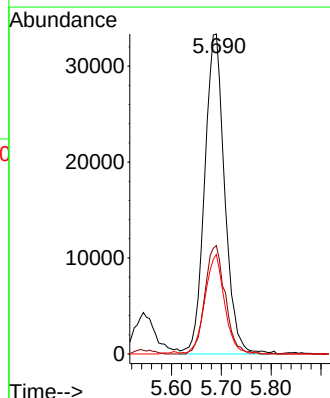
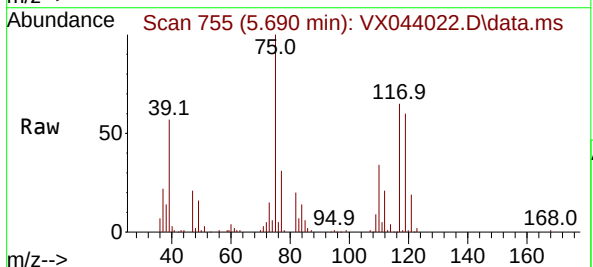
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

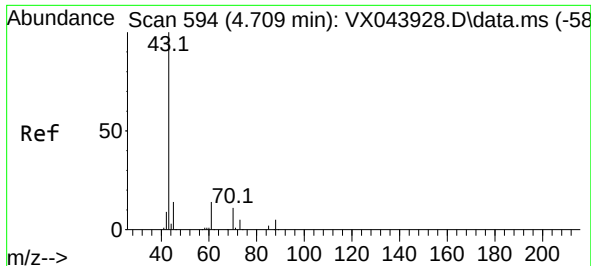
Tgt Ion:113 Resp: 76704  
Ion Ratio Lower Upper  
113 100  
111 101.7 81.0 121.4  
192 17.2 13.0 19.6



#36  
1,1-Dichloropropene  
Concen: 44.899 ug/l  
RT: 5.690 min Scan# 755  
Delta R.T. 0.012 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 93123  
Ion Ratio Lower Upper  
75 100  
110 34.2 17.4 52.2  
77 30.5 25.8 38.8





#37

Ethyl Acetate

Concen: 46.163 ug/l

RT: 4.715 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

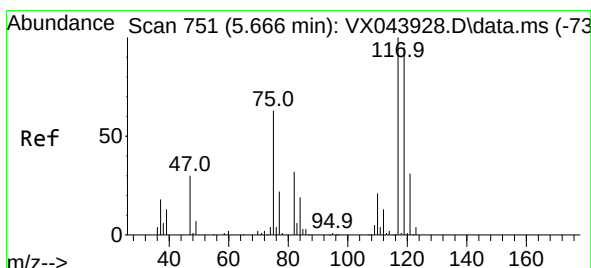
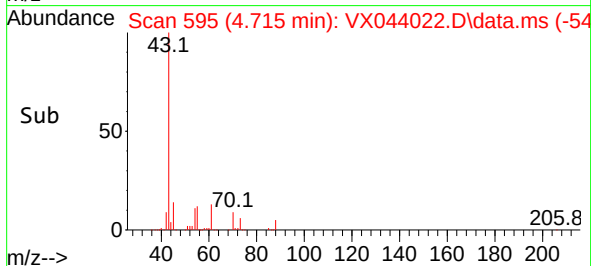
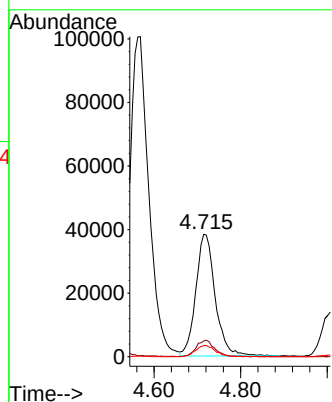
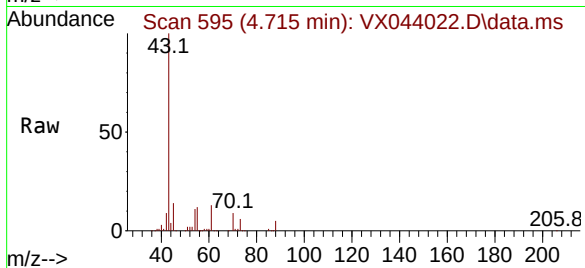
Tgt Ion: 43 Resp: 118849

Ion Ratio Lower Upper

43 100

61 13.0 10.7 16.1

70 9.3 8.0 12.0



#38

Carbon Tetrachloride

Concen: 44.128 ug/l

RT: 5.672 min Scan# 752

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

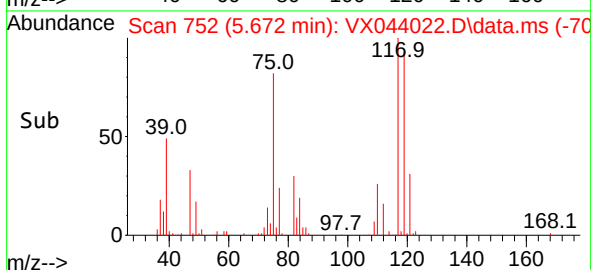
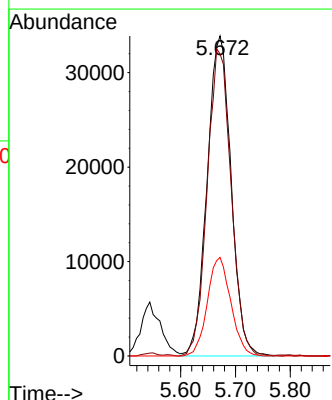
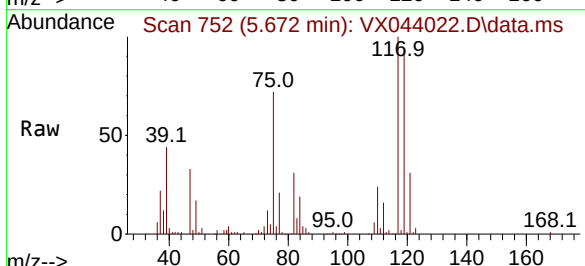
Tgt Ion: 117 Resp: 102840

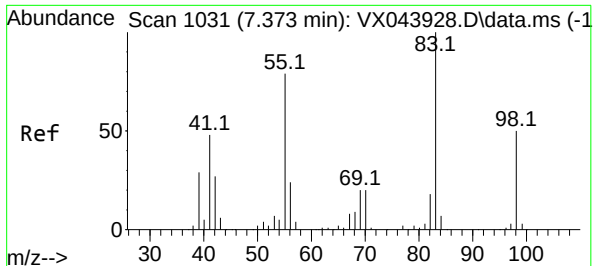
Ion Ratio Lower Upper

117 100

119 94.4 75.2 112.8

121 30.8 24.5 36.7





#39

Methylcyclohexane

Concen: 40.771 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

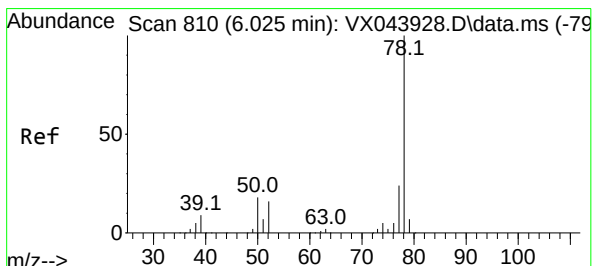
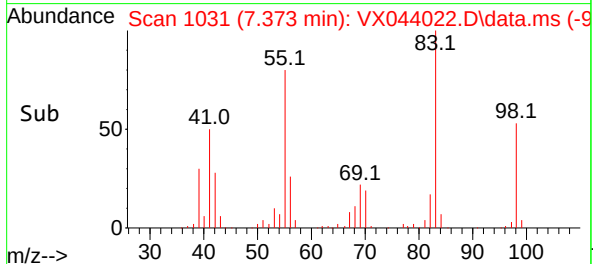
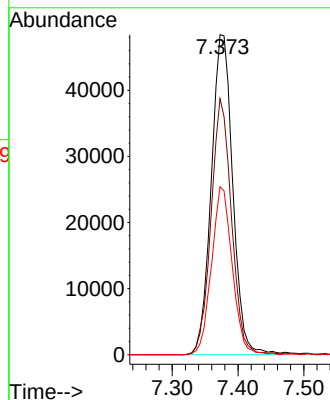
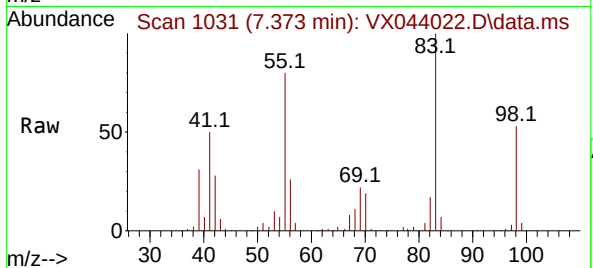
Tgt Ion: 83 Resp: 109854

Ion Ratio Lower Upper

83 100

55 80.0 63.1 94.7

98 52.5 40.0 60.0



#40

Benzene

Concen: 44.870 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX044022.D

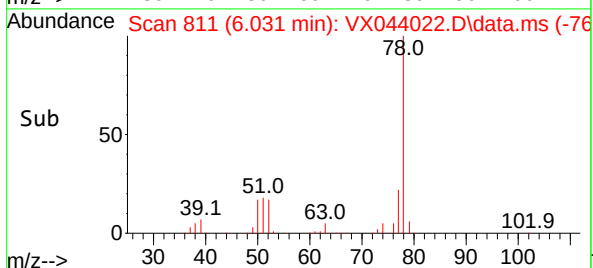
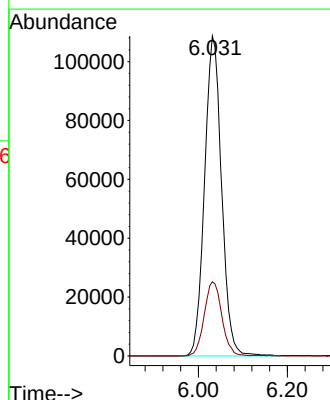
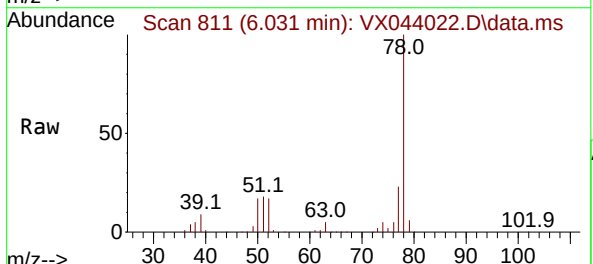
Acq: 26 Nov 2024 17:33

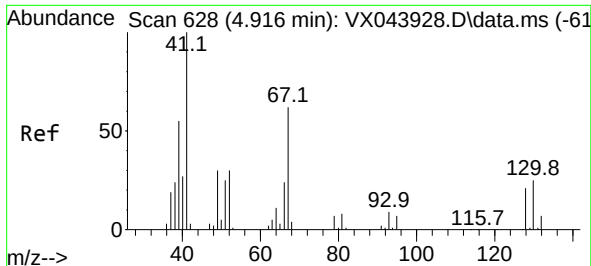
Tgt Ion: 78 Resp: 289884

Ion Ratio Lower Upper

78 100

77 23.2 19.2 28.8

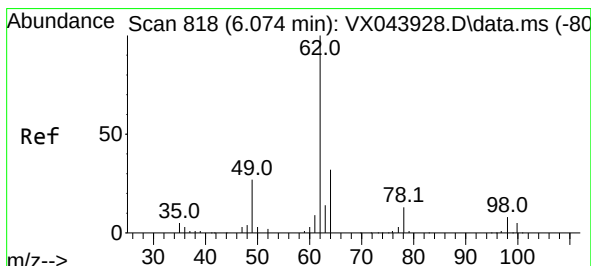
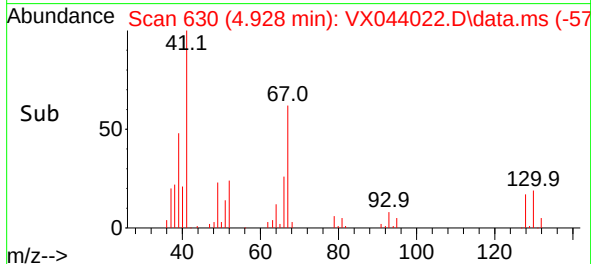
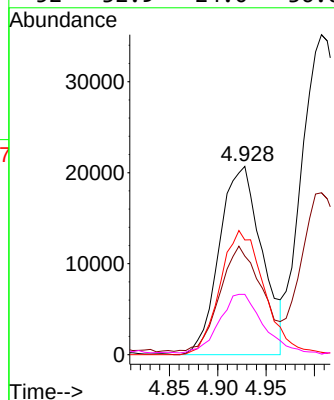
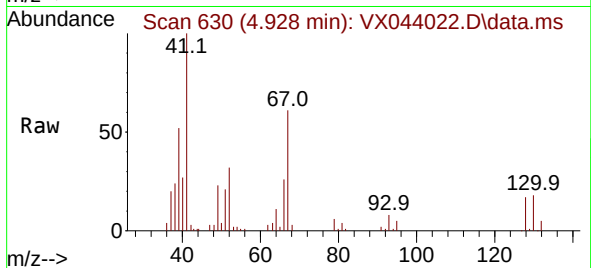




#41  
Methacrylonitrile  
Concen: 48.072 ug/l  
RT: 4.928 min Scan# 61  
Delta R.T. 0.012 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

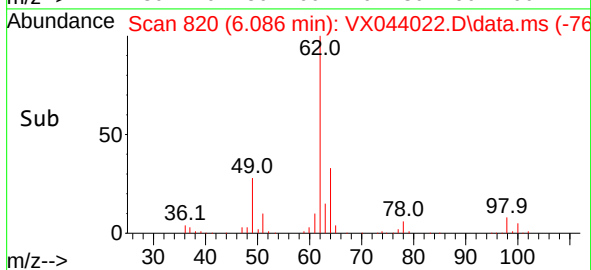
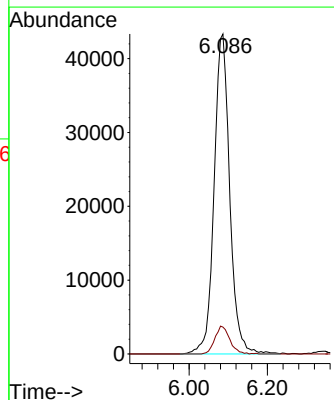
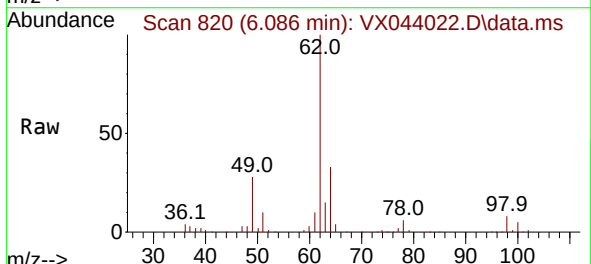
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

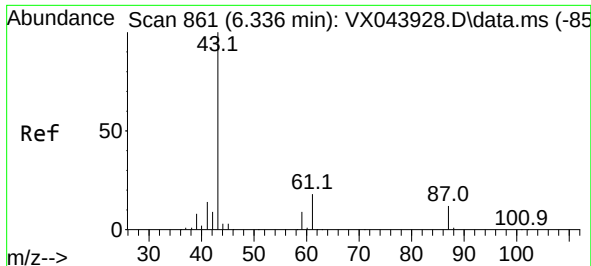
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 41    | Resp: | 63345 |
| Ion      | Ratio | Lower | Upper |
| 41       | 100   |       |       |
| 39       | 54.8  | 41.7  | 62.5  |
| 67       | 68.7  | 55.8  | 83.8  |
| 52       | 32.9  | 24.0  | 36.0  |



#42  
1,2-Dichloroethane  
Concen: 46.148 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.012 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 62    | Resp: | 119738 |
| Ion      | Ratio | Lower | Upper  |
| 62       | 100   |       |        |
| 98       | 8.3   | 0.0   | 16.4   |

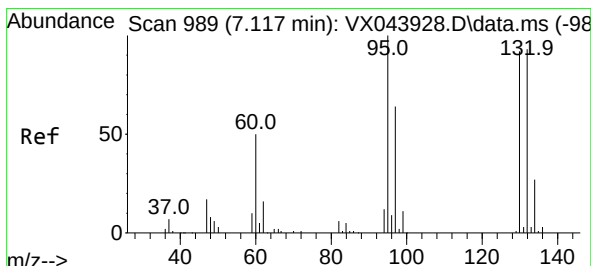
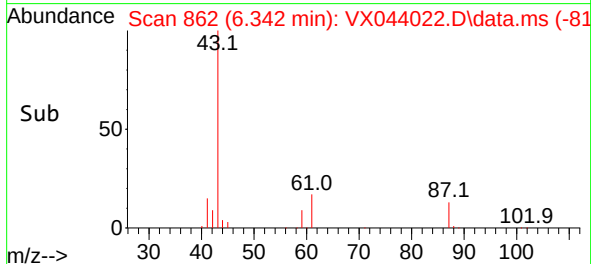
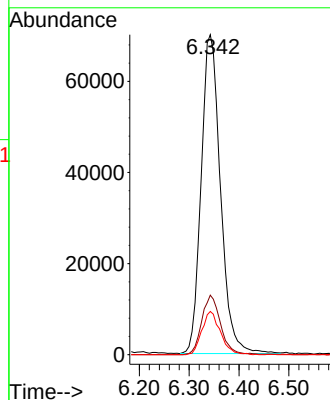
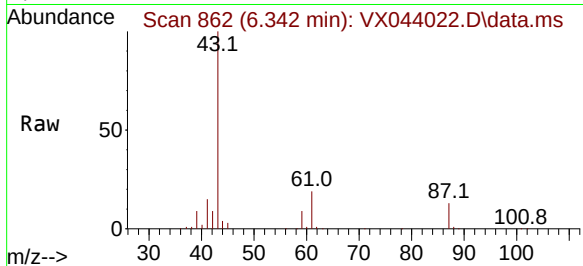




#43  
Isopropyl Acetate  
Concen: 45.956 ug/l  
RT: 6.342 min Scan# 861  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

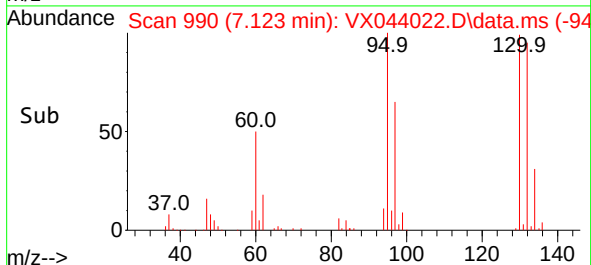
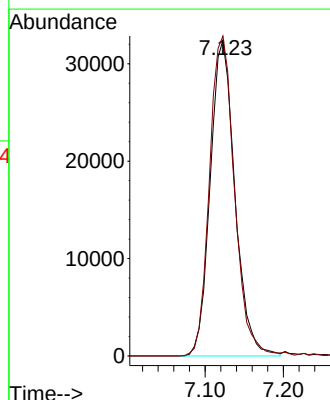
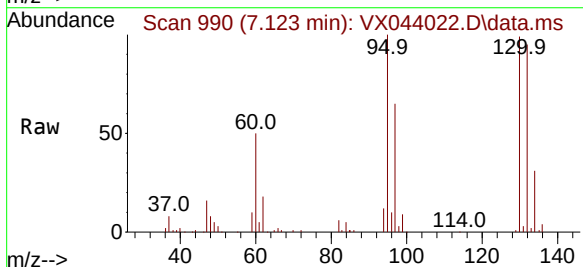
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

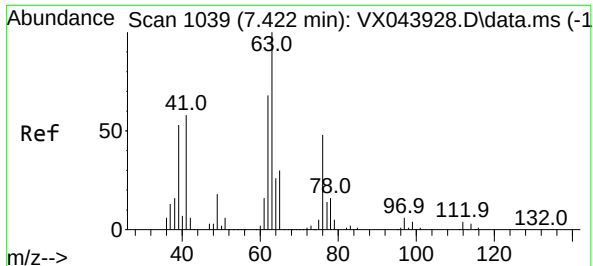
Tgt Ion: 43 Resp: 188292  
Ion Ratio Lower Upper  
43 100  
61 18.2 14.5 21.7  
87 13.0 10.2 15.2



#44  
Trichloroethene  
Concen: 38.741 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 130 Resp: 70853  
Ion Ratio Lower Upper  
130 100  
95 101.4 0.0 217.8





#45

1,2-Dichloropropane

Concen: 46.363 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

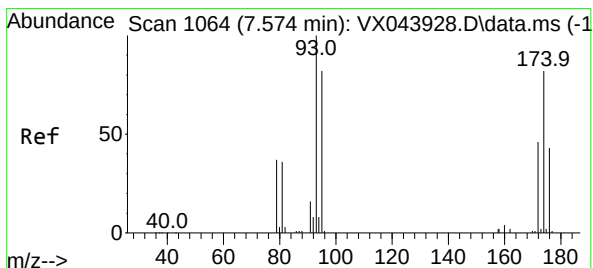
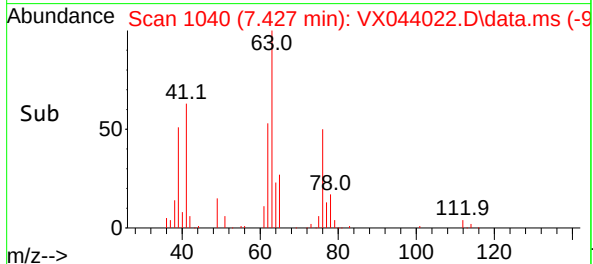
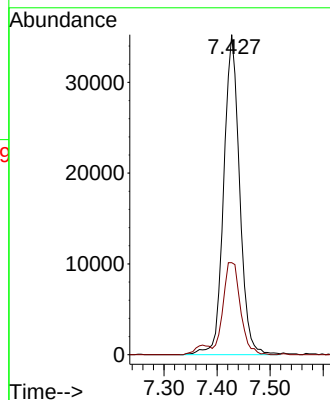
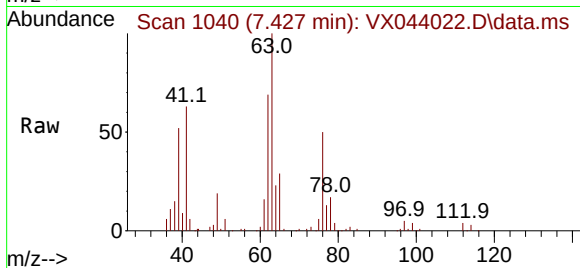
VSTDCCC050EC

Tgt Ion: 63 Resp: 73361

Ion Ratio Lower Upper

63 100

65 28.8 23.8 35.6



#46

Dibromomethane

Concen: 46.080 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

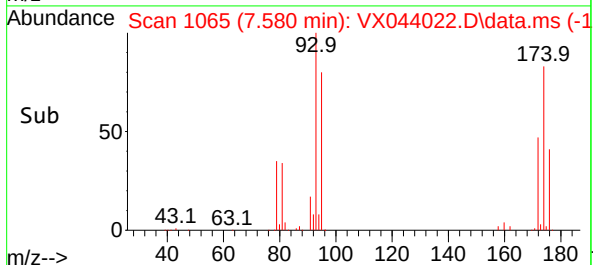
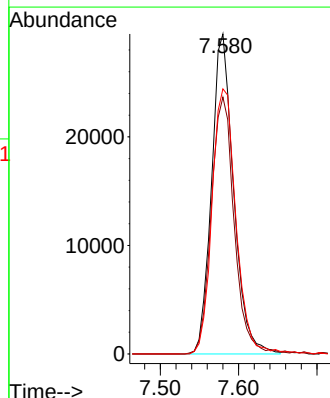
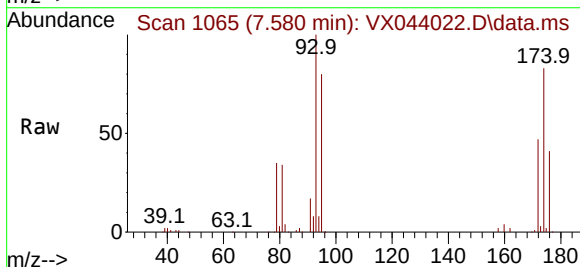
Tgt Ion: 93 Resp: 57678

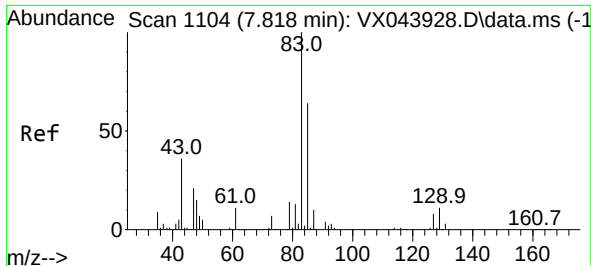
Ion Ratio Lower Upper

93 100

95 83.4 66.2 99.4

174 90.1 69.6 104.4

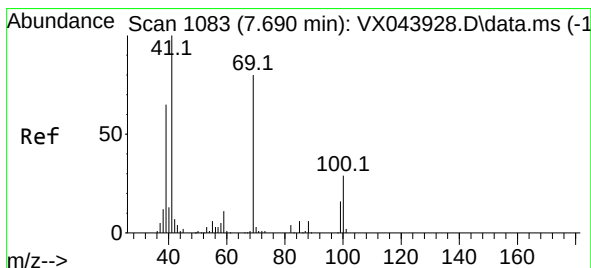
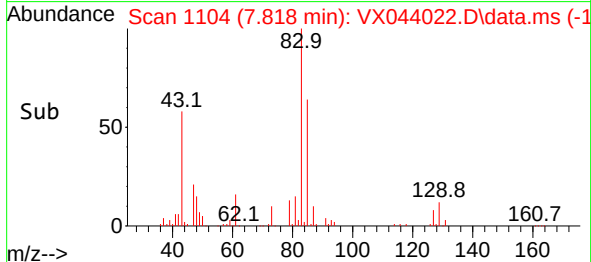
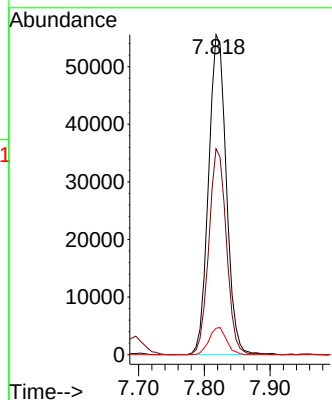
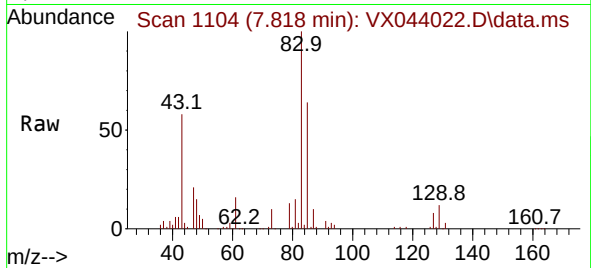




#47  
Bromodichloromethane  
Concen: 46.539 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

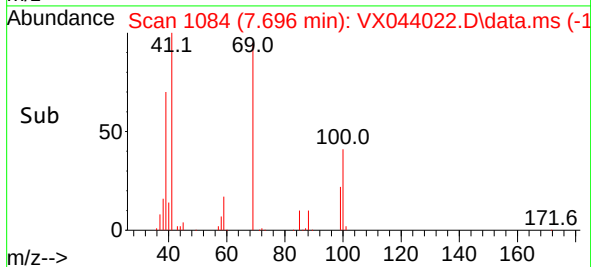
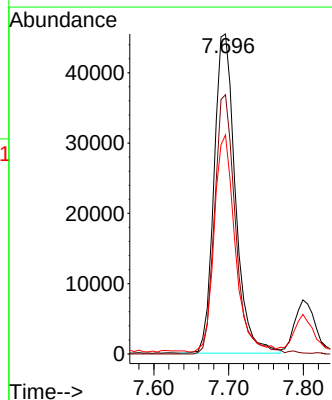
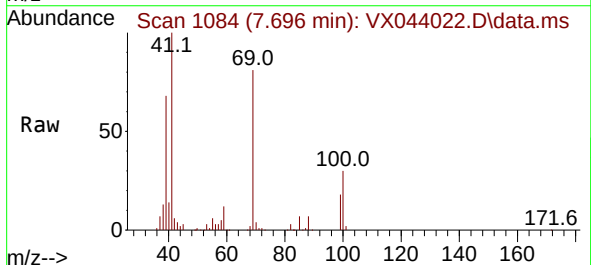
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

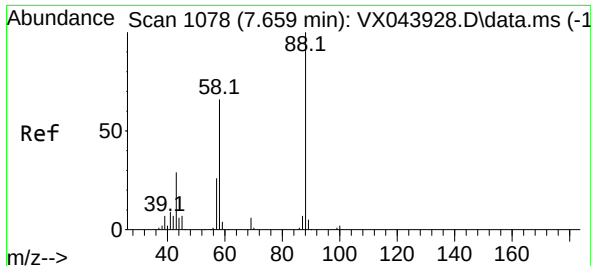
Tgt Ion: 83 Resp: 104474  
Ion Ratio Lower Upper  
83 100  
85 64.3 51.4 77.0  
127 8.2 6.6 10.0



#48  
Methyl methacrylate  
Concen: 46.007 ug/l  
RT: 7.696 min Scan# 1084  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 41 Resp: 90452  
Ion Ratio Lower Upper  
41 100  
69 79.2 64.6 97.0  
39 66.5 53.3 79.9





#49

1,4-Dioxane

Concen: 688.902 ug/l

RT: 7.665 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

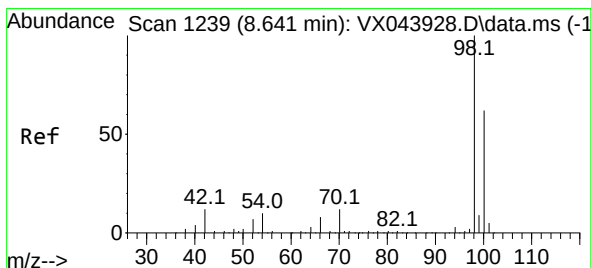
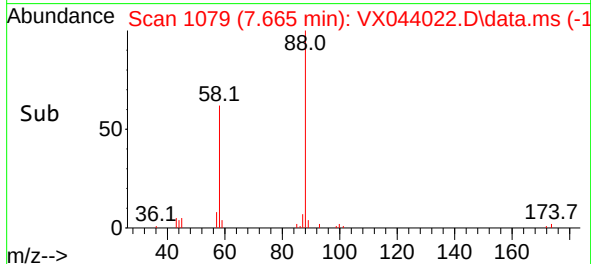
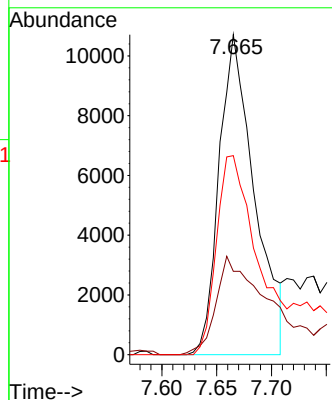
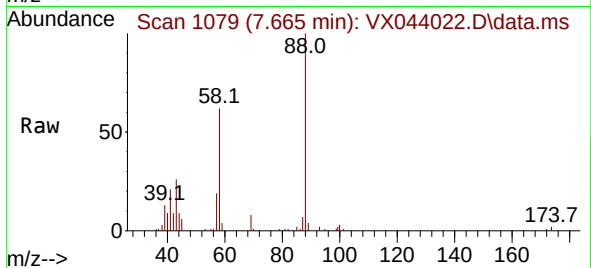
Tgt Ion: 88 Resp: 24126

Ion Ratio Lower Upper

88 100

43 45.9 26.8 40.2#

58 71.6 45.4 68.2#



#50

Toluene-d8

Concen: 44.028 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.006 min

Lab File: VX044022.D

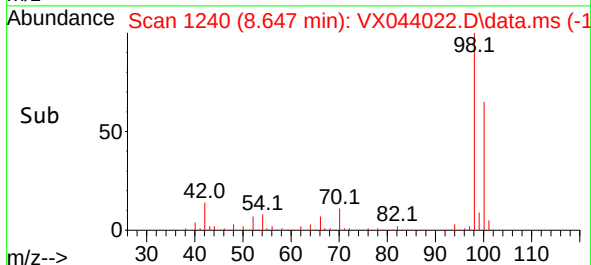
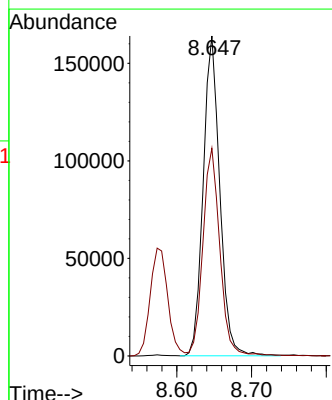
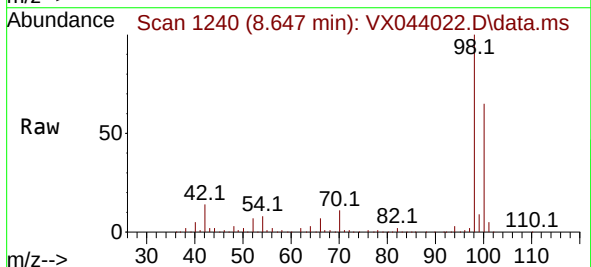
Acq: 26 Nov 2024 17:33

Tgt Ion: 98 Resp: 252602

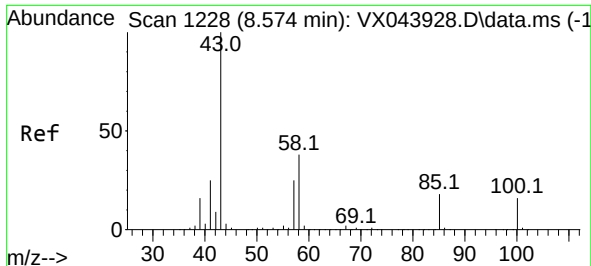
Ion Ratio Lower Upper

98 100

100 66.5 52.6 79.0







#51

4-Methyl-2-Pentanone

Concen: 242.496 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

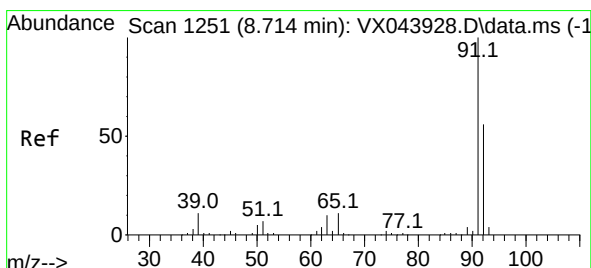
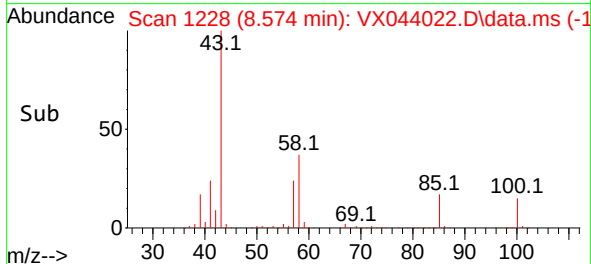
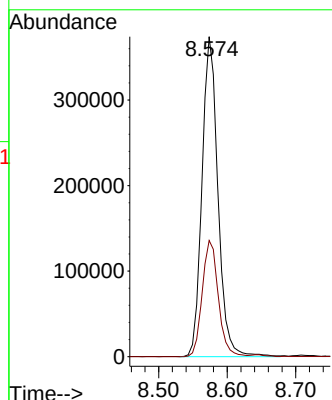
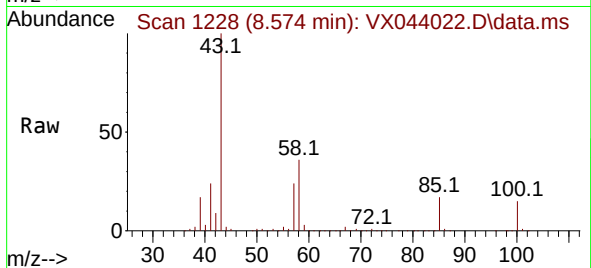
VSTDCCC050EC

Tgt Ion: 43 Resp: 606325

Ion Ratio Lower Upper

43 100

58 36.6 30.0 45.0



#52

Toluene

Concen: 45.970 ug/l

RT: 8.714 min Scan# 1251

Delta R.T. -0.000 min

Lab File: VX044022.D

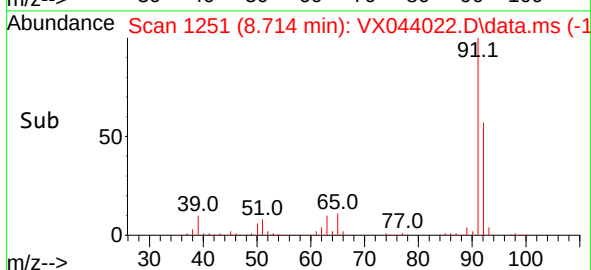
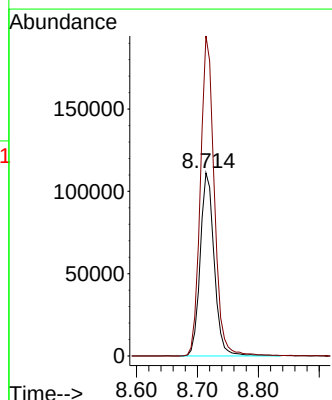
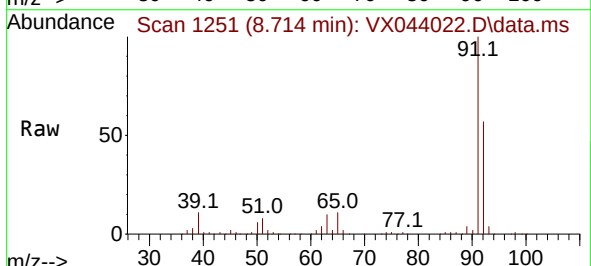
Acq: 26 Nov 2024 17:33

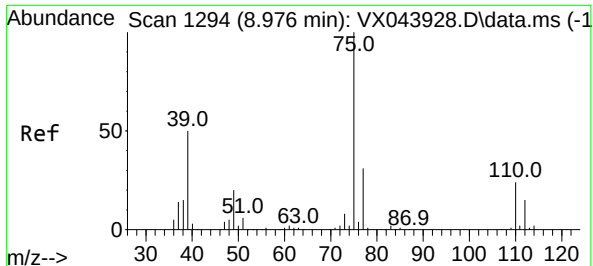
Tgt Ion: 92 Resp: 177758

Ion Ratio Lower Upper

92 100

91 173.5 139.7 209.5





#53

t-1,3-Dichloropropene

Concen: 45.983 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

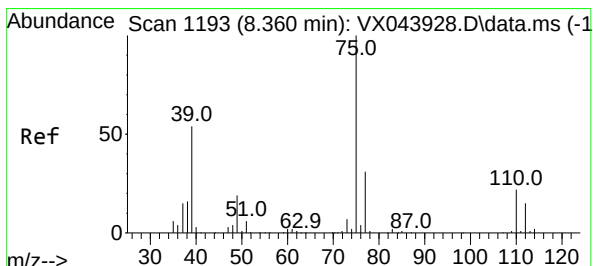
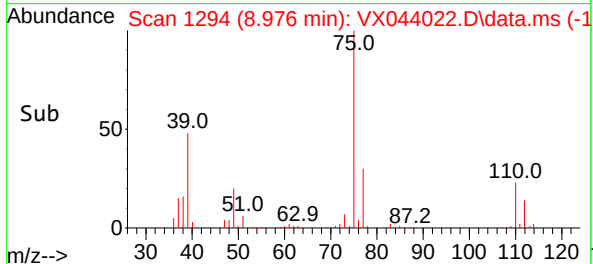
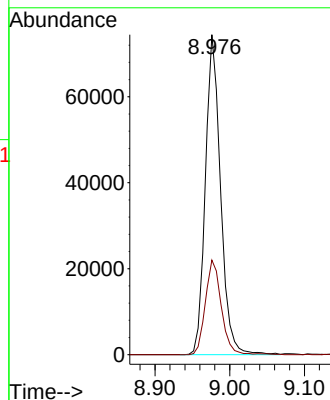
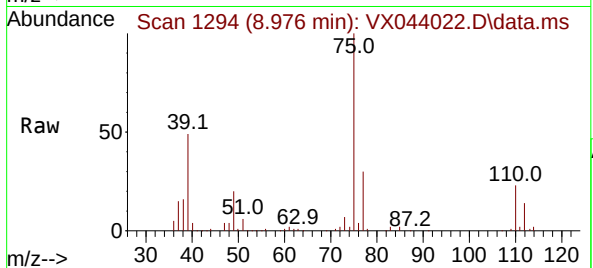
VSTDCCC050EC

Tgt Ion: 75 Resp: 105266

Ion Ratio Lower Upper

75 100

77 29.5 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 45.674 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

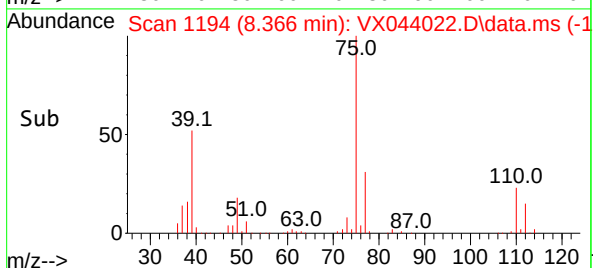
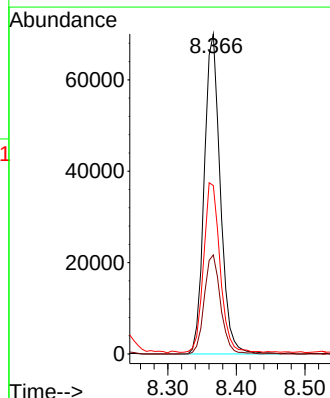
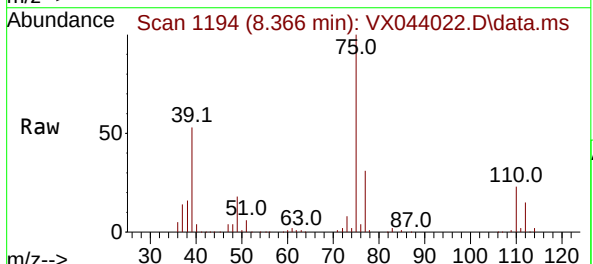
Tgt Ion: 75 Resp: 114622

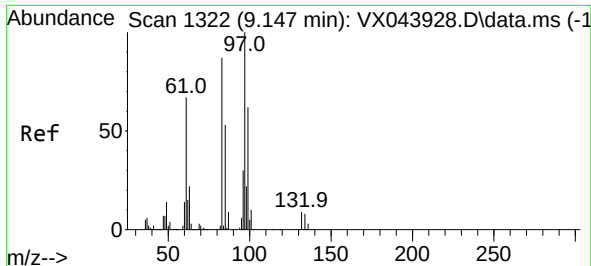
Ion Ratio Lower Upper

75 100

77 31.0 25.2 37.8

39 52.1 43.1 64.7



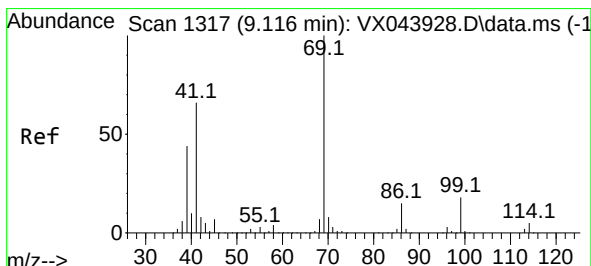
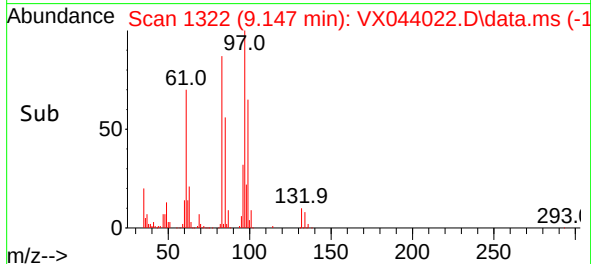
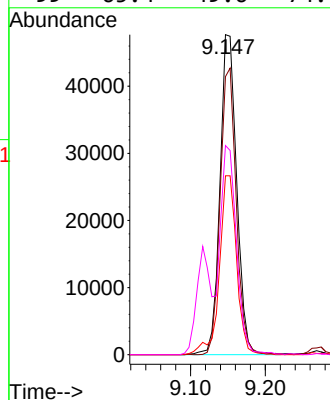
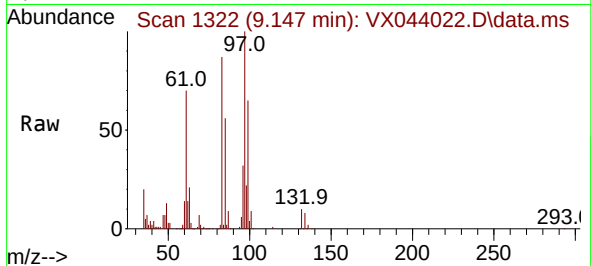


#55  
1,1,2-Trichloroethane  
Concen: 46.503 ug/l  
RT: 9.147 min Scan# 1322  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 97 Resp: 74228

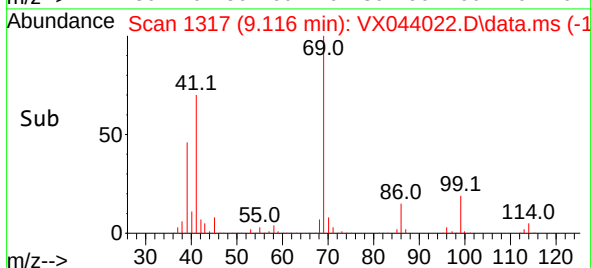
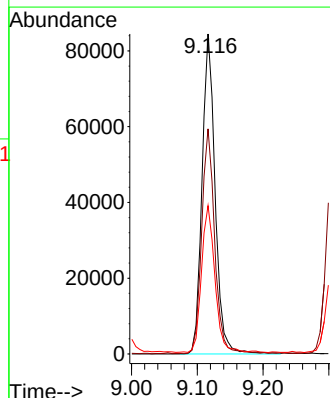
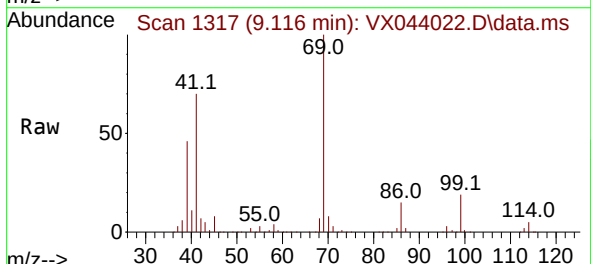
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 83  | 86.9  | 69.4  | 104.0 |
| 85  | 55.9  | 42.3  | 63.5  |
| 99  | 65.4  | 49.6  | 74.4  |

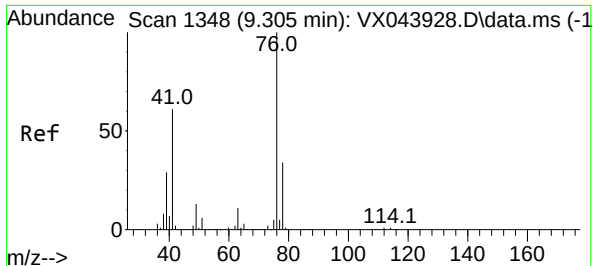


#56  
Ethyl methacrylate  
Concen: 46.987 ug/l  
RT: 9.116 min Scan# 1317  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 69 Resp: 116819

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 69.7  | 55.8  | 83.8  |
| 39  | 46.5  | 36.7  | 55.1  |

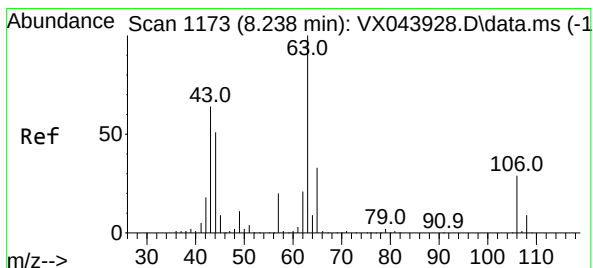
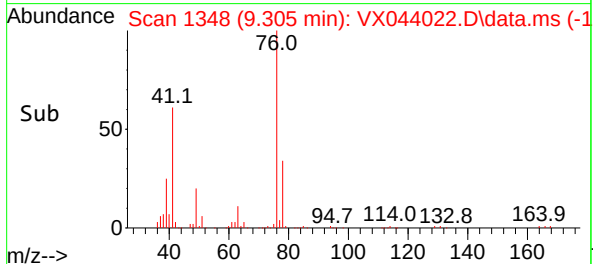
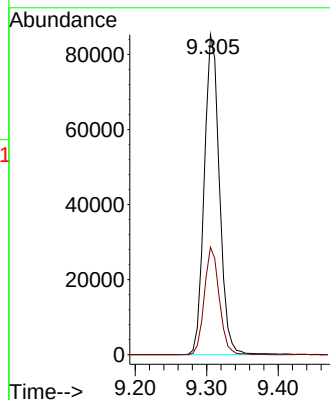
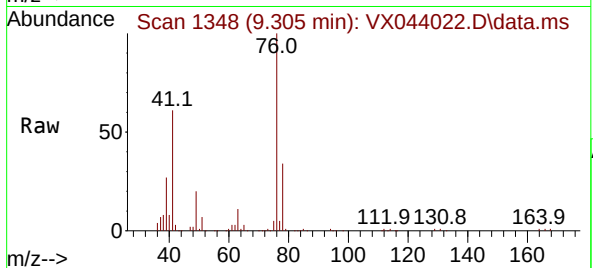




#57  
1,3-Dichloropropane  
Concen: 46.788 ug/l  
RT: 9.305 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

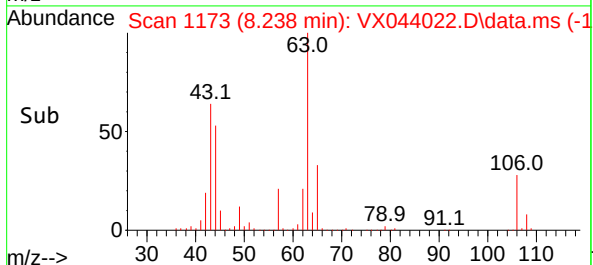
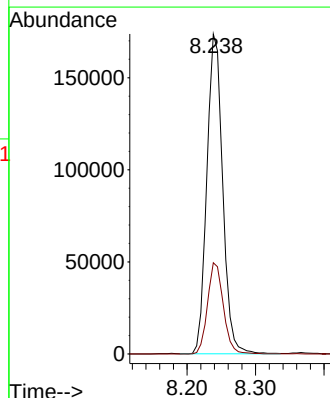
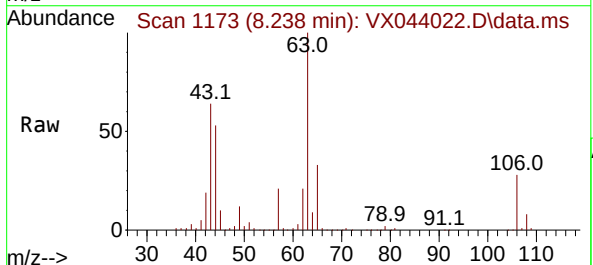
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

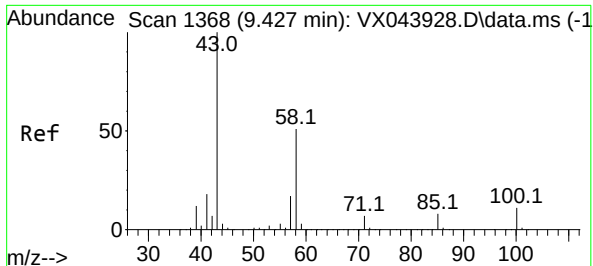
Tgt Ion: 76 Resp: 125806  
Ion Ratio Lower Upper  
76 100  
78 33.1 26.0 39.0



#58  
2-Chloroethyl Vinyl ether  
Concen: 204.586 ug/l  
RT: 8.238 min Scan# 1173  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 63 Resp: 279354  
Ion Ratio Lower Upper  
63 100  
106 28.5 23.0 34.6





#59

2-Hexanone

Concen: 238.945 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

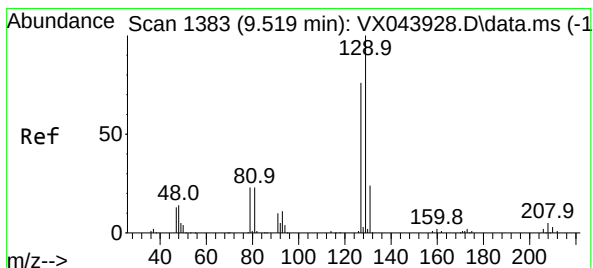
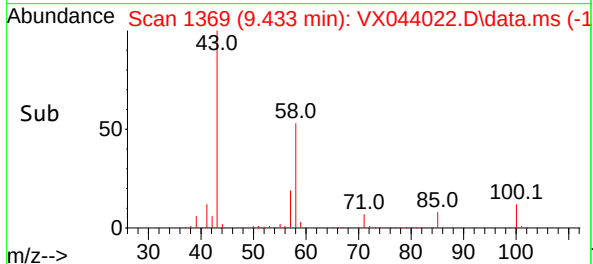
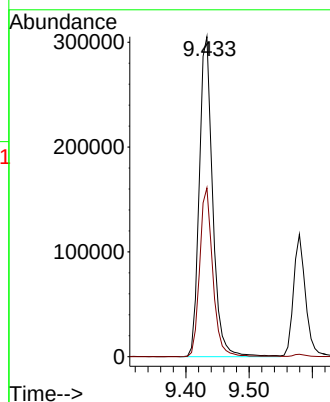
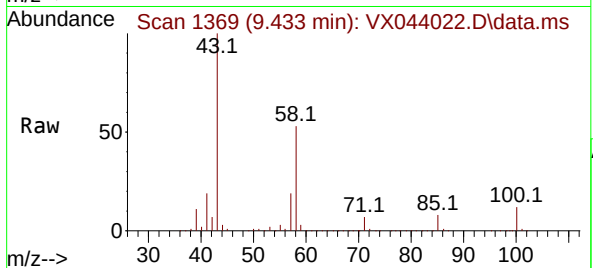
VSTDCCC050EC

Tgt Ion: 43 Resp: 449056

Ion Ratio Lower Upper

43 100

58 51.9 25.9 77.6



#60

Dibromochloromethane

Concen: 46.621 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX044022.D

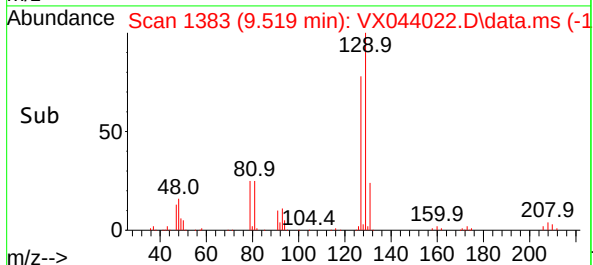
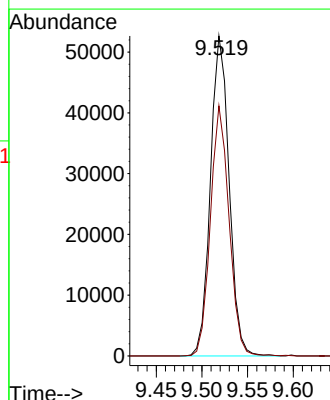
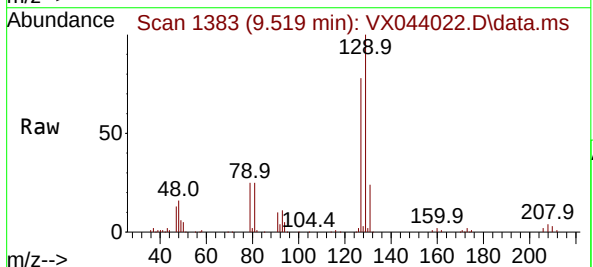
Acq: 26 Nov 2024 17:33

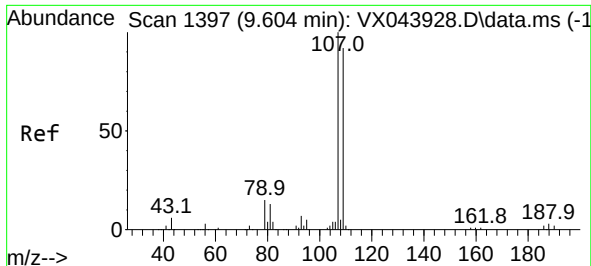
Tgt Ion: 129 Resp: 74665

Ion Ratio Lower Upper

129 100

127 78.2 38.2 114.6

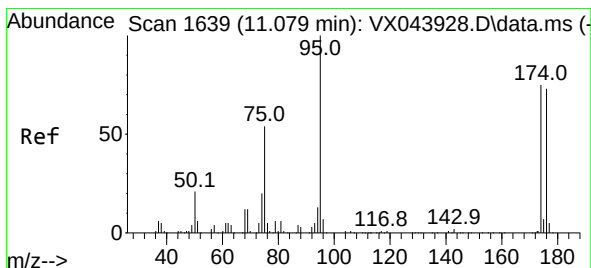
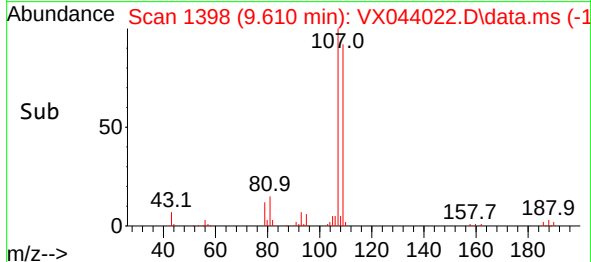
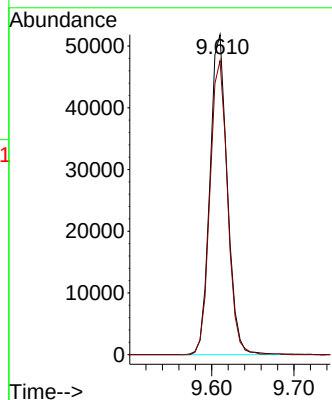
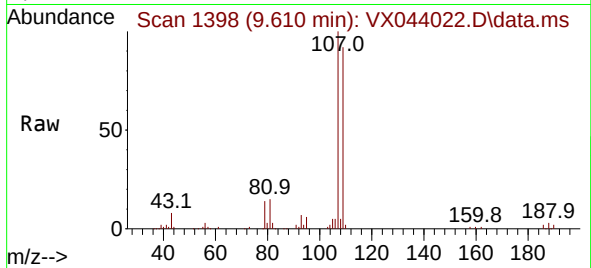




#61  
1,2-Dibromoethane  
Concen: 47.112 ug/l  
RT: 9.610 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

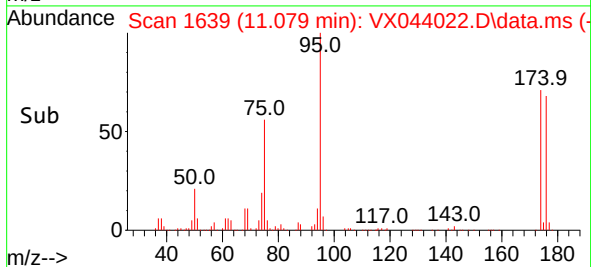
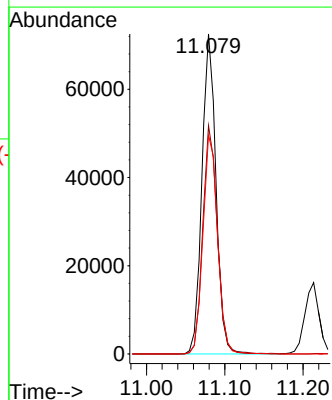
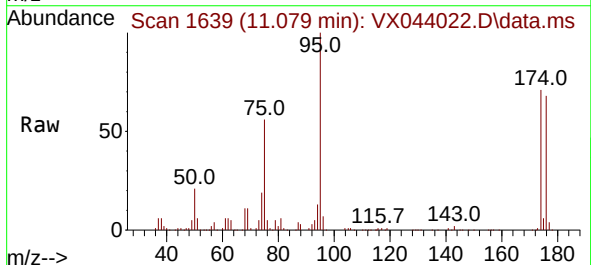
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

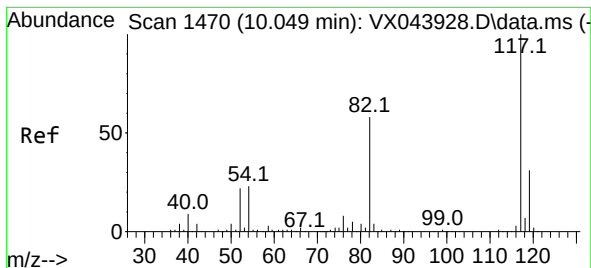
Tgt Ion:107 Resp: 76038  
Ion Ratio Lower Upper  
107 100  
109 92.9 75.2 112.8



#62  
4-Bromofluorobenzene  
Concen: 46.200 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 95 Resp: 90209  
Ion Ratio Lower Upper  
95 100  
174 73.7 0.0 150.4  
176 71.5 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

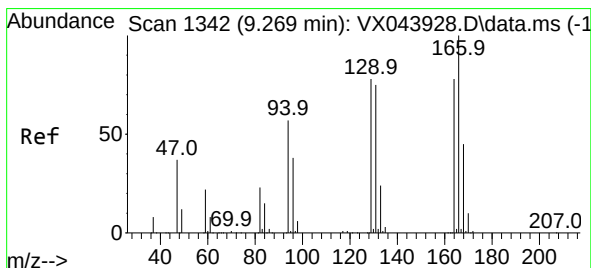
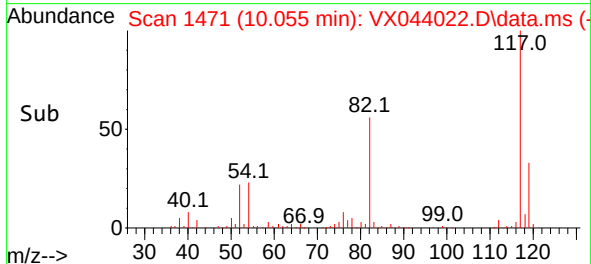
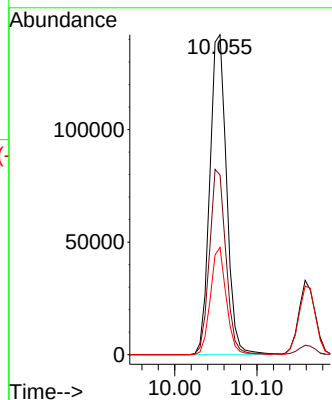
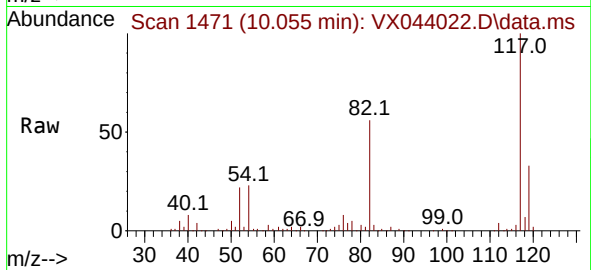
Tgt Ion:117 Resp: 201501

Ion Ratio Lower Upper

117 100

82 56.2 46.4 69.6

119 33.5 24.6 37.0



#64

Tetrachloroethene

Concen: 44.283 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Tgt Ion:164 Resp: 58837

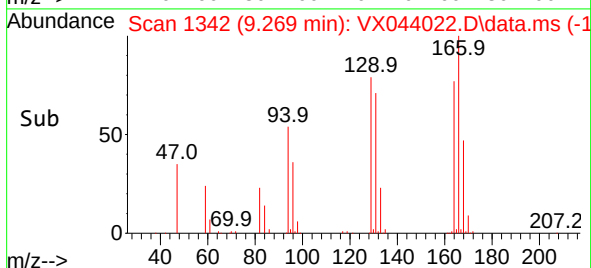
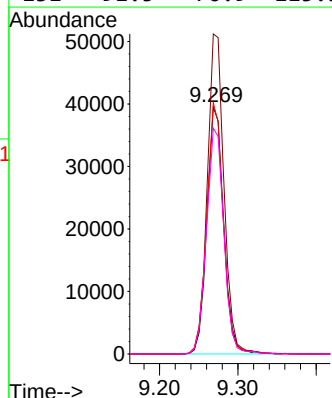
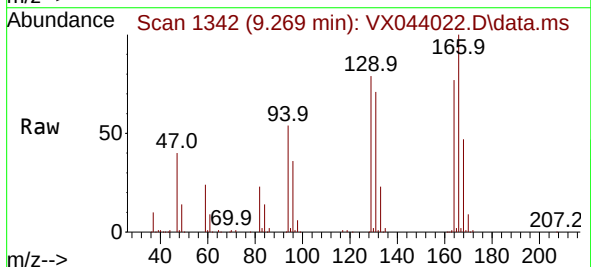
Ion Ratio Lower Upper

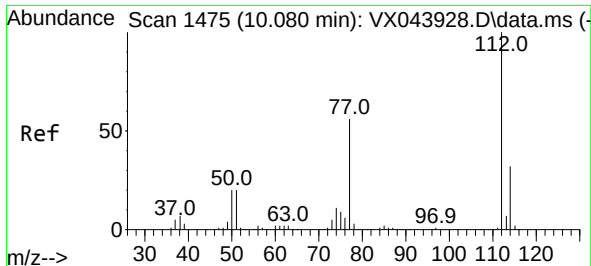
164 100

166 129.7 102.1 153.1

129 101.8 79.6 119.4

131 91.5 76.9 115.3

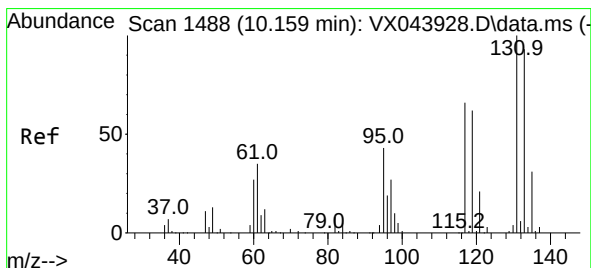
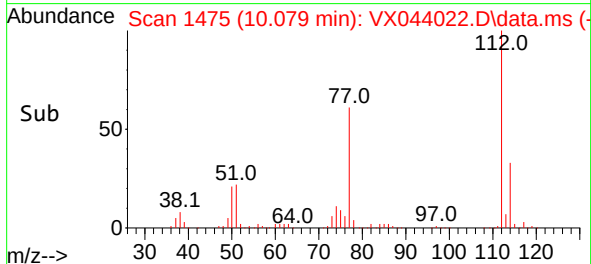
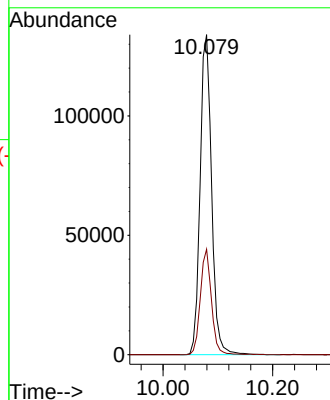
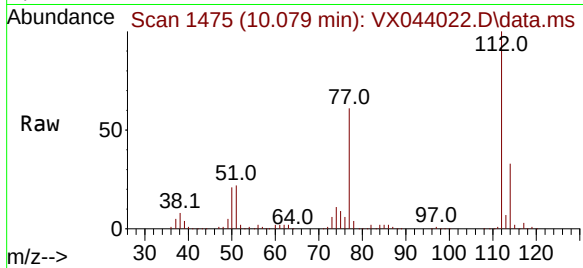




#65  
Chlorobenzene  
Concen: 44.078 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

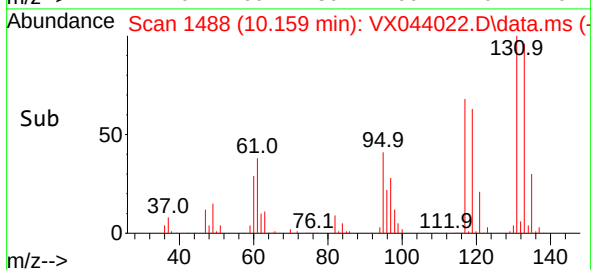
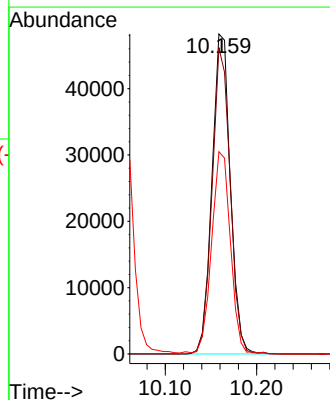
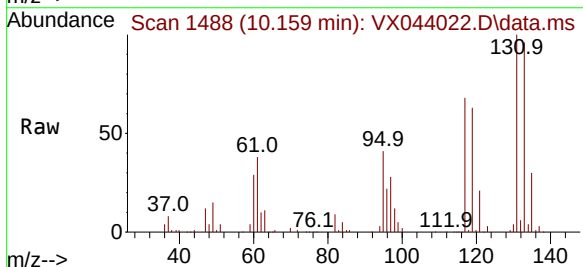
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion:112 Resp: 195068  
Ion Ratio Lower Upper  
112 100  
114 32.9 25.4 38.0

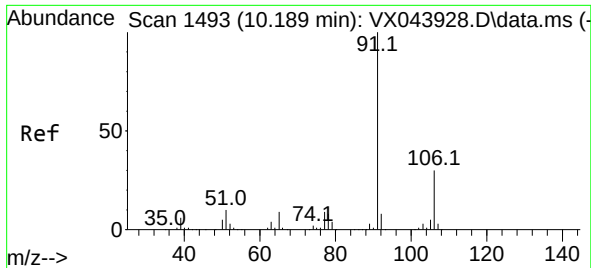


#66  
1,1,1,2-Tetrachloroethane  
Concen: 46.975 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:131 Resp: 67421  
Ion Ratio Lower Upper  
131 100  
133 94.3 48.2 144.6  
119 64.9 31.5 94.5



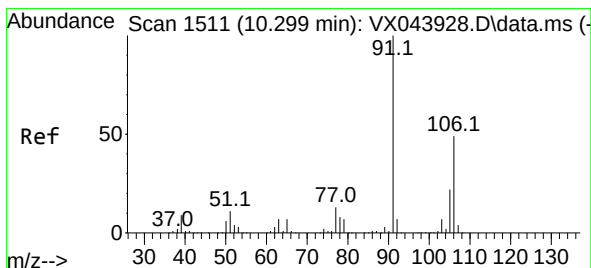
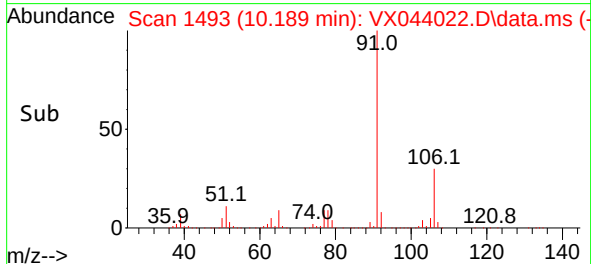
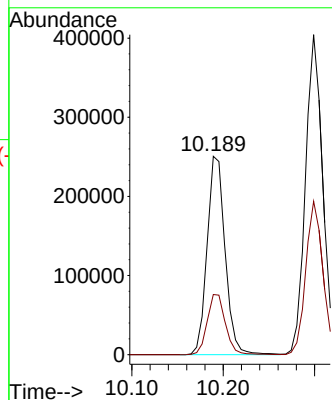
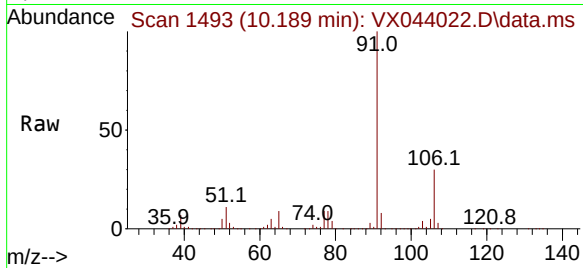




#67  
Ethyl Benzene  
Concen: 45.714 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

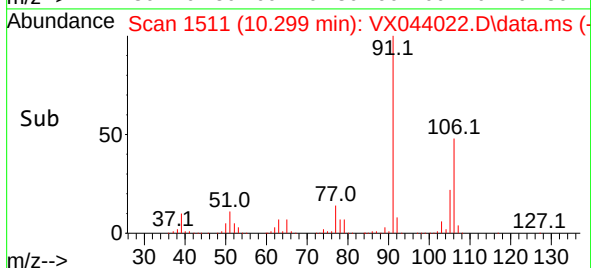
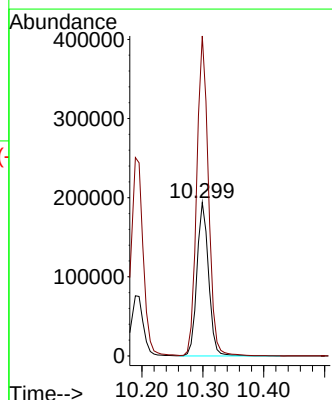
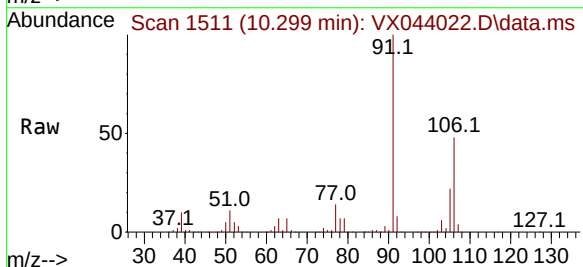
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

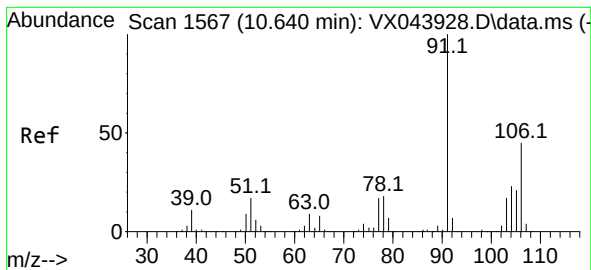
Tgt Ion: 91 Resp: 342810  
Ion Ratio Lower Upper  
91 100  
106 30.3 23.6 35.4



#68  
m/p-Xylenes  
Concen: 91.591 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 106 Resp: 256139  
Ion Ratio Lower Upper  
106 100  
91 210.1 168.1 252.1

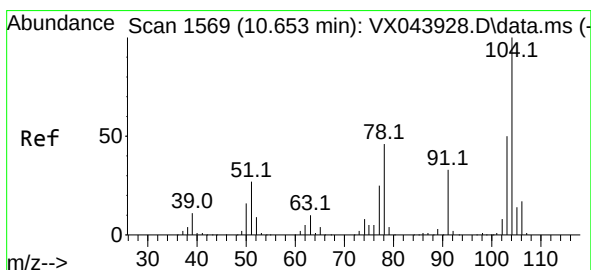
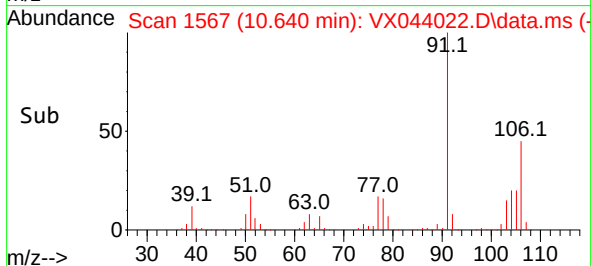
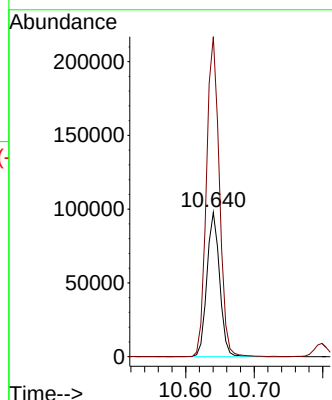
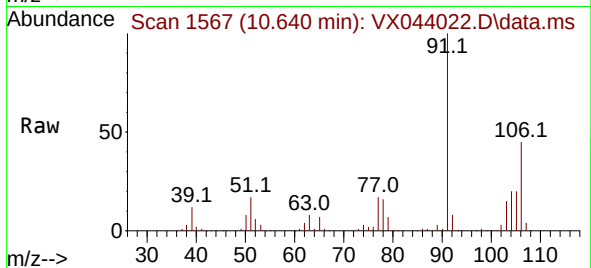




#69  
o-Xylene  
Concen: 46.288 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

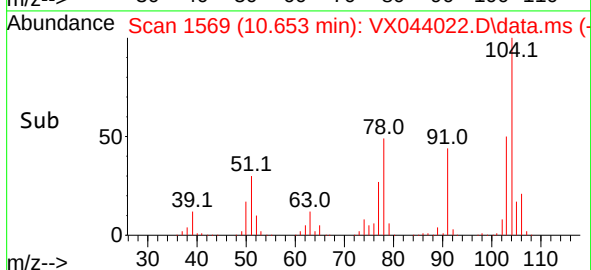
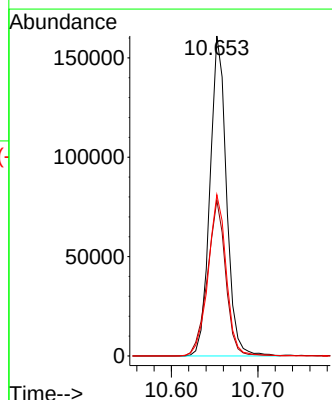
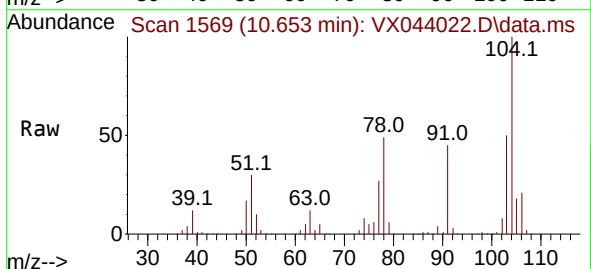
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

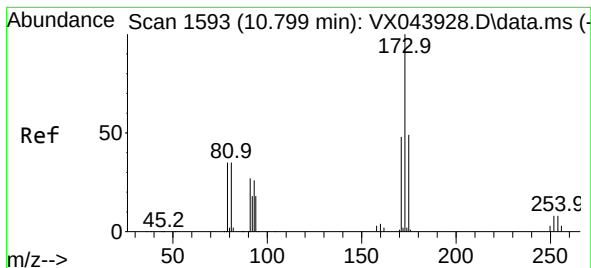
Tgt Ion:106 Resp: 126387  
Ion Ratio Lower Upper  
106 100  
91 225.4 110.2 330.6



#70  
Styrene  
Concen: 47.303 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:104 Resp: 213625  
Ion Ratio Lower Upper  
104 100  
78 53.5 42.2 63.2  
103 55.3 44.7 67.1





#71

Bromoform

Concen: 41.511 ug/l

RT: 10.799 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

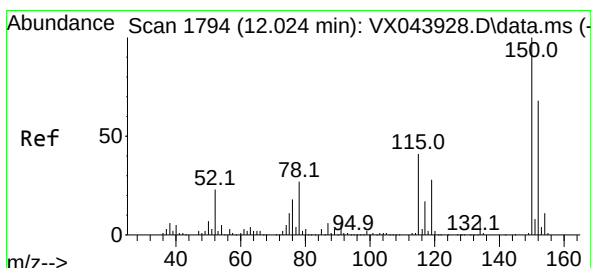
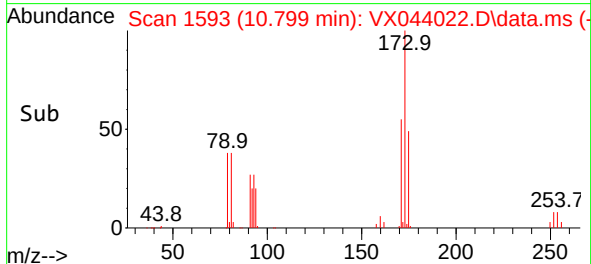
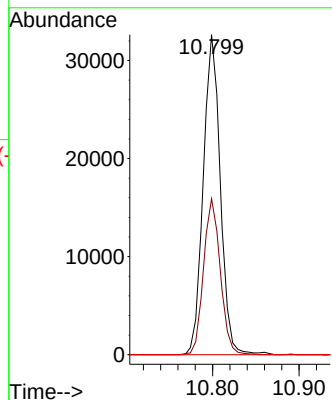
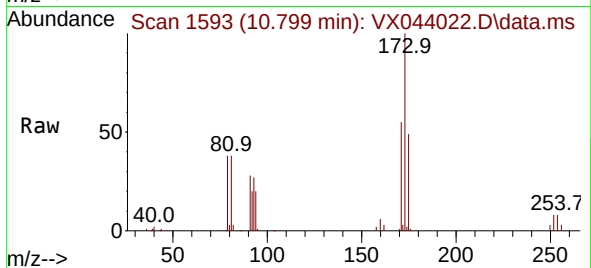
Tgt Ion:173 Resp: 44621

Ion Ratio Lower Upper

173 100

175 47.8 24.1 72.2

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

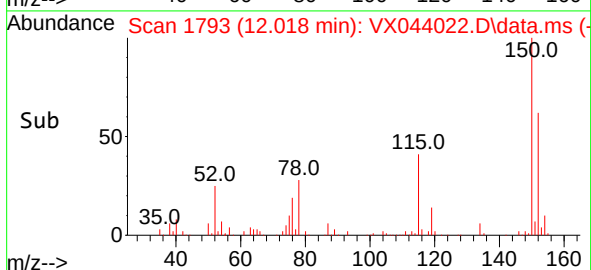
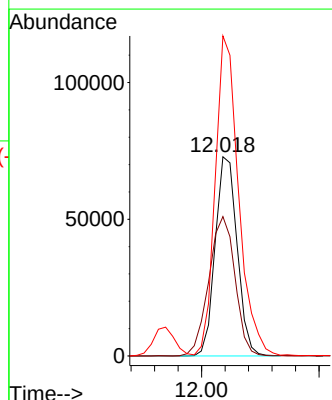
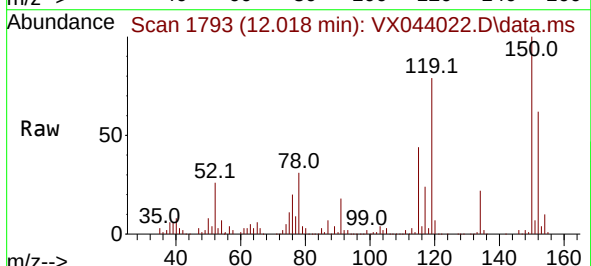
Tgt Ion:152 Resp: 94669

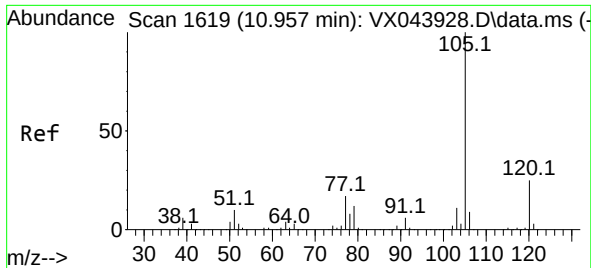
Ion Ratio Lower Upper

152 100

115 83.5 45.4 136.2

150 171.0 0.0 353.0

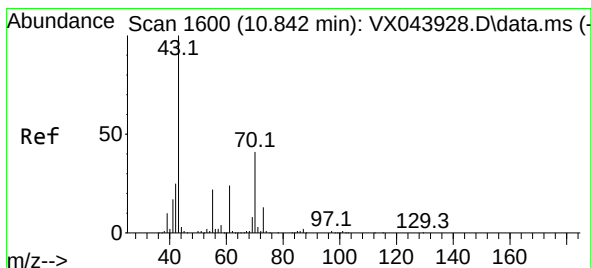
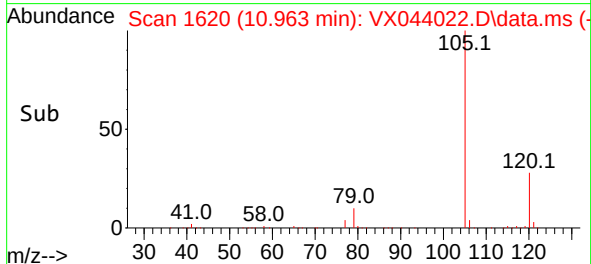
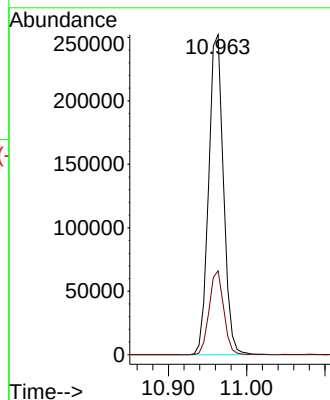
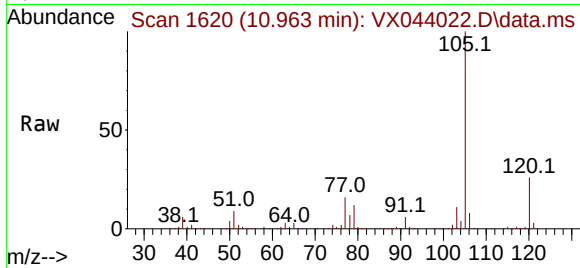




#73  
Isopropylbenzene  
Concen: 45.287 ug/l  
RT: 10.963 min Scan# 1619  
Delta R.T. 0.006 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

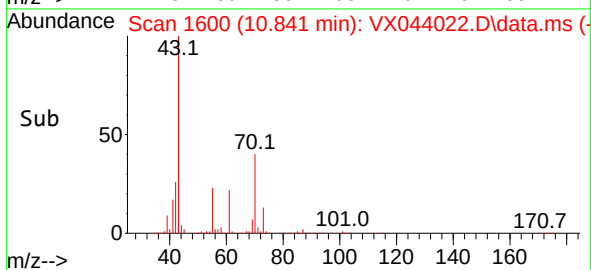
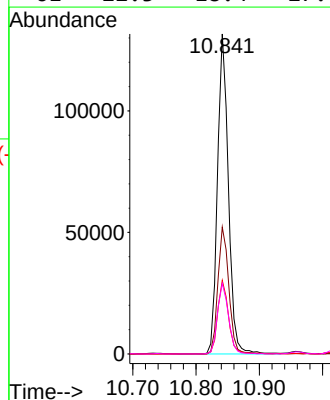
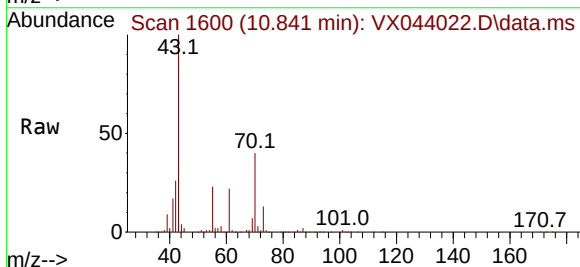
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

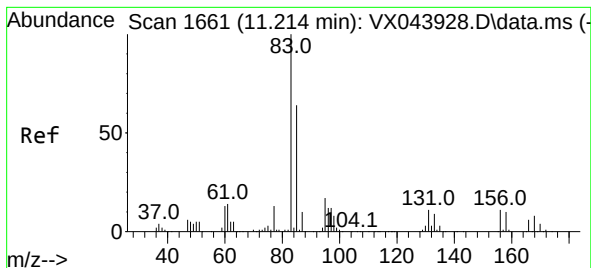
Tgt Ion:105 Resp: 329562  
Ion Ratio Lower Upper  
105 100  
120 25.8 13.0 38.9



#74  
N-ethyl acetate  
Concen: 46.621 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 43 Resp: 157167  
Ion Ratio Lower Upper  
43 100  
70 39.9 32.2 48.2  
55 22.9 18.1 27.1  
61 22.3 18.4 27.6

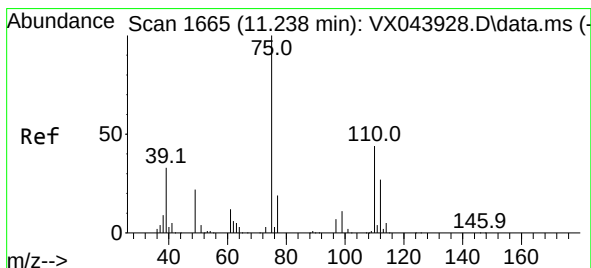
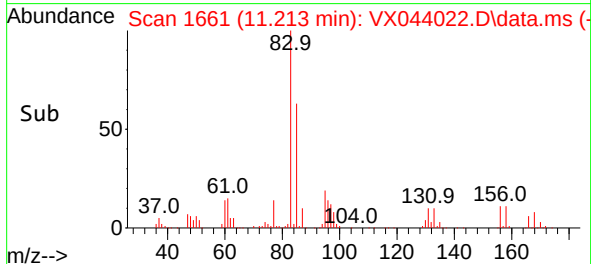
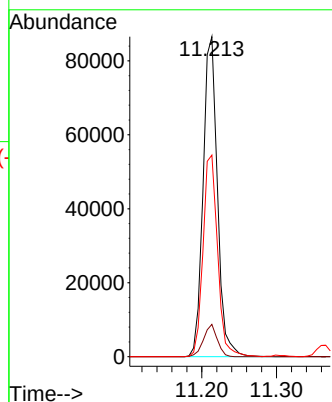
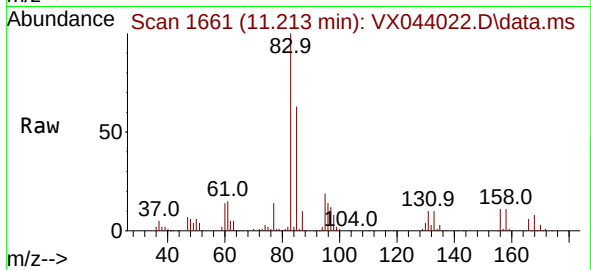




#75  
1,1,2,2-Tetrachloroethane  
Concen: 46.217 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

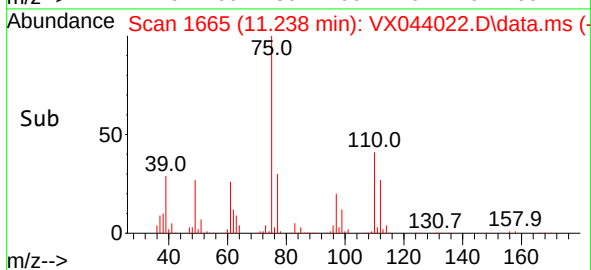
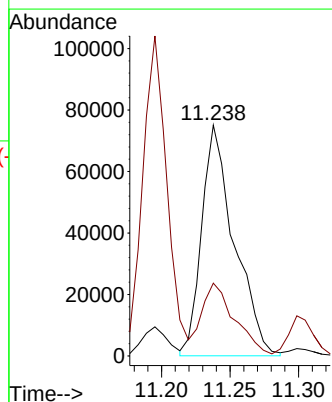
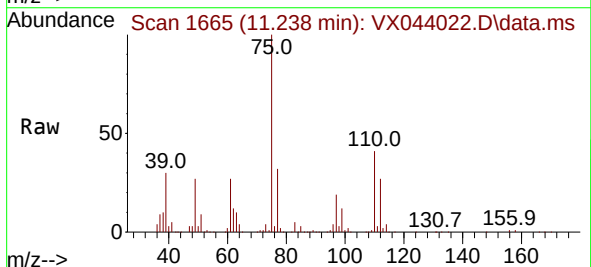
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

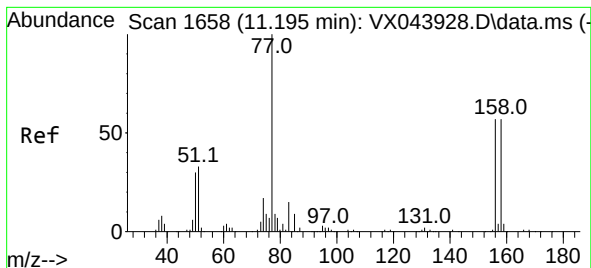
Tgt Ion: 83 Resp: 115162  
Ion Ratio Lower Upper  
83 100  
131 9.7 5.1 15.2  
85 64.1 32.2 96.6



#76  
1,2,3-Trichloropropane  
Concen: 59.873 ug/l  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 124300  
Ion Ratio Lower Upper  
75 100  
77 32.0 21.8 65.3





#77

Bromobenzene

Concen: 45.286 ug/l

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

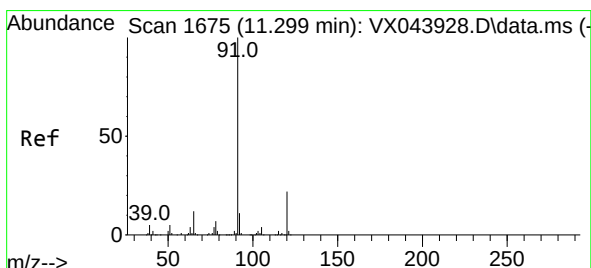
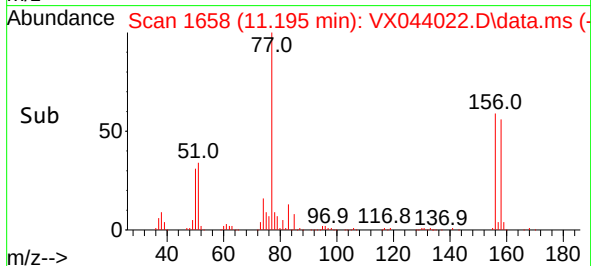
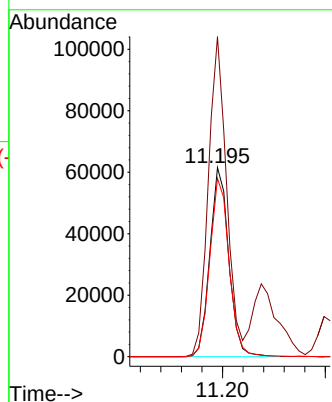
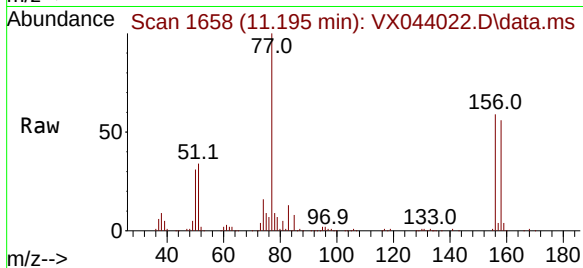
Tgt Ion:156 Resp: 78615

Ion Ratio Lower Upper

156 100

77 163.4 83.4 250.1

158 96.4 47.6 142.8



#78

n-propylbenzene

Concen: 45.927 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.006 min

Lab File: VX044022.D

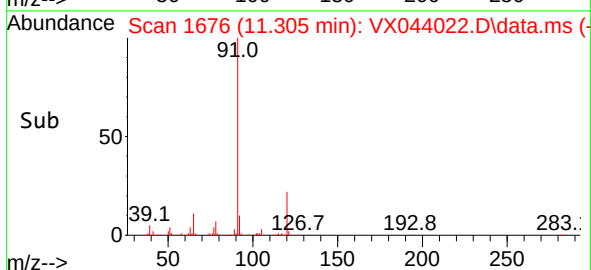
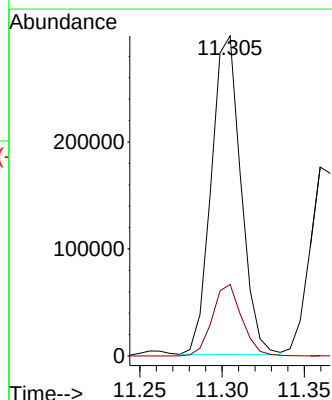
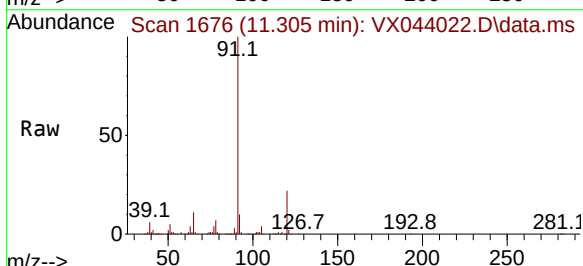
Acq: 26 Nov 2024 17:33

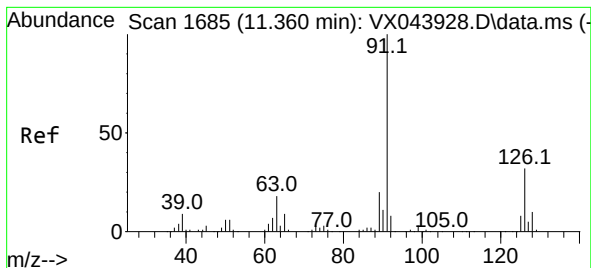
Tgt Ion: 91 Resp: 373275

Ion Ratio Lower Upper

91 100

120 22.3 11.5 34.4

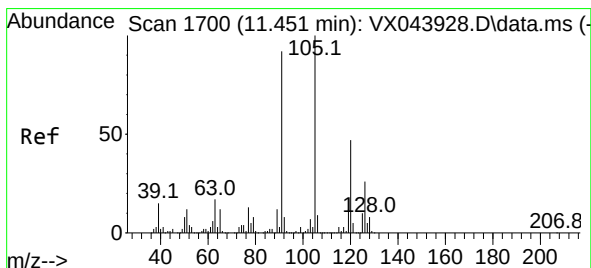
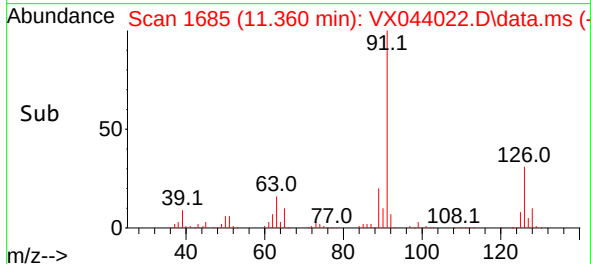
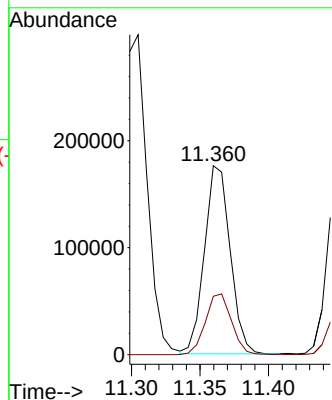
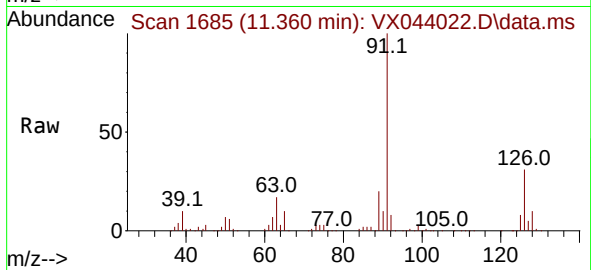




#79  
2-Chlorotoluene  
Concen: 44.554 ug/l  
RT: 11.360 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

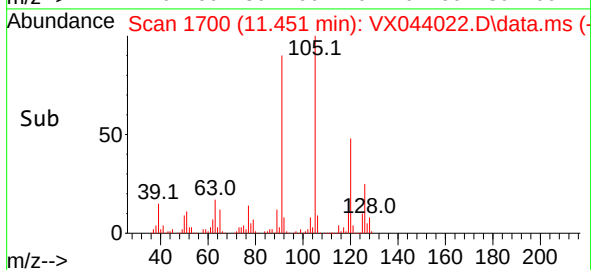
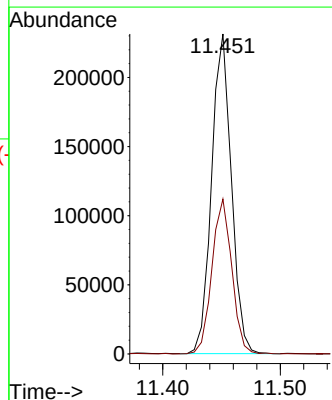
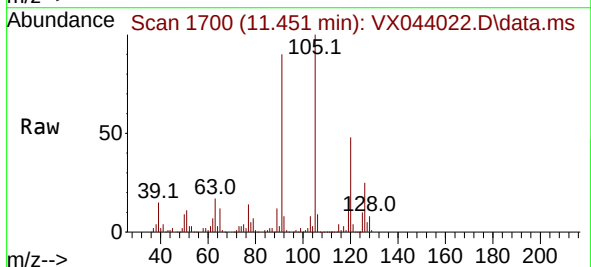
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

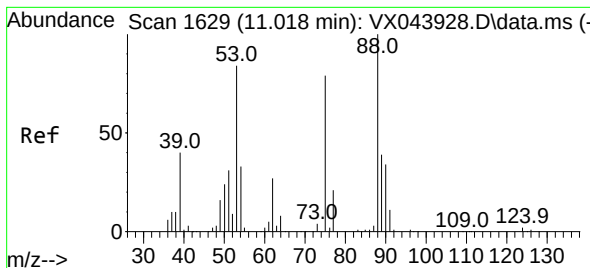
Tgt Ion: 91 Resp: 228979  
Ion Ratio Lower Upper  
91 100  
126 32.9 16.6 49.8



#80  
1,3,5-Trimethylbenzene  
Concen: 45.154 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 105 Resp: 270335  
Ion Ratio Lower Upper  
105 100  
120 48.7 23.3 69.8

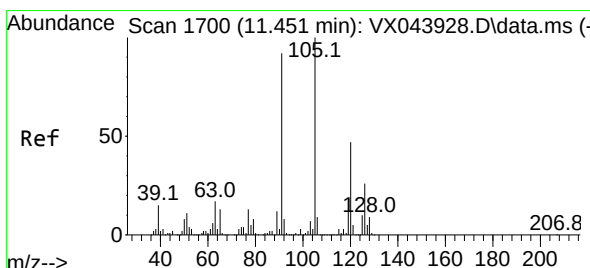
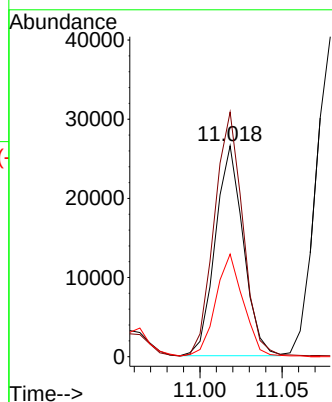
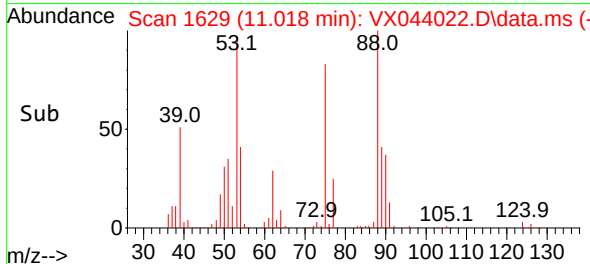
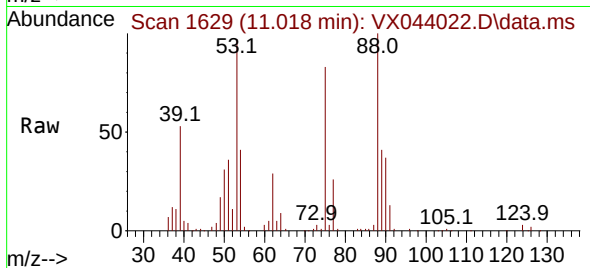




#81  
trans-1,4-Dichloro-2-butene  
Concen: 41.465 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

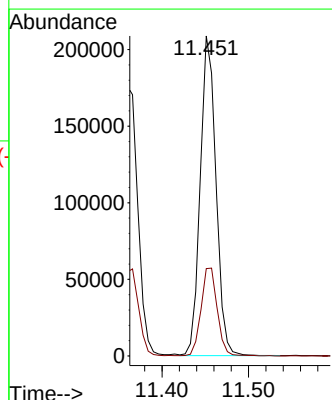
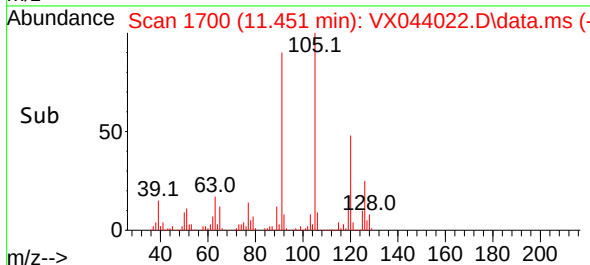
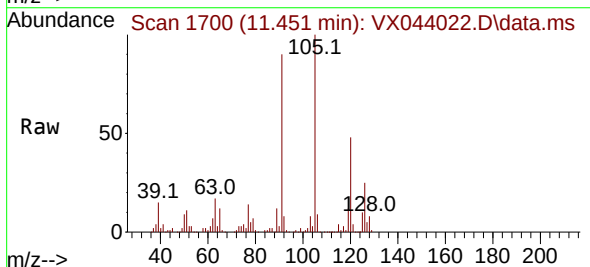
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

Tgt Ion: 75 Resp: 31547  
Ion Ratio Lower Upper  
75 100  
53 119.3 86.7 130.1  
89 48.4 38.2 57.2

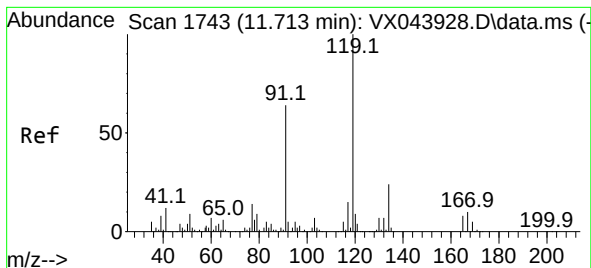


#82  
4-Chlorotoluene  
Concen: 45.372 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 91 Resp: 263259  
Ion Ratio Lower Upper  
91 100  
126 28.4 14.3 42.9







#83

tert-Butylbenzene

Concen: 45.748 ug/l

RT: 11.713 min Scan# 1743

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

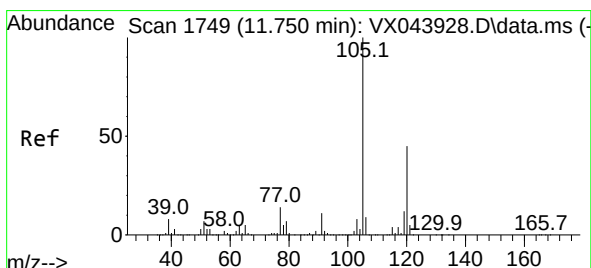
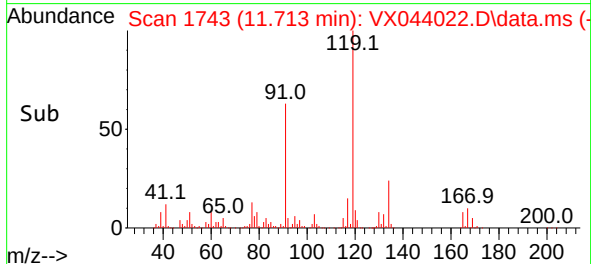
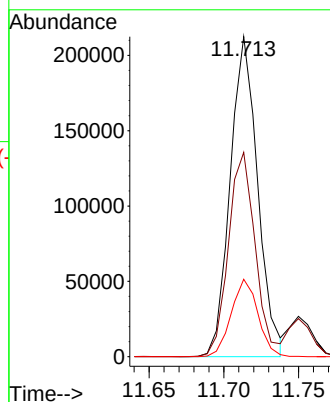
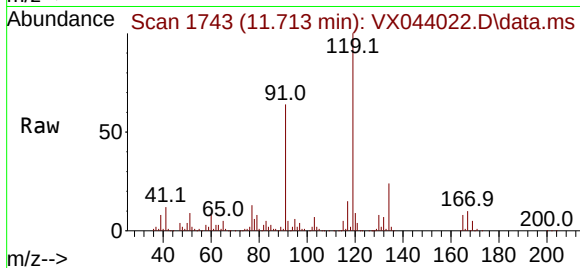
Tgt Ion:119 Resp: 271471

Ion Ratio Lower Upper

119 100

91 62.5 31.0 93.0

134 23.6 11.6 34.8



#84

1,2,4-Trimethylbenzene

Concen: 46.231 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VX044022.D

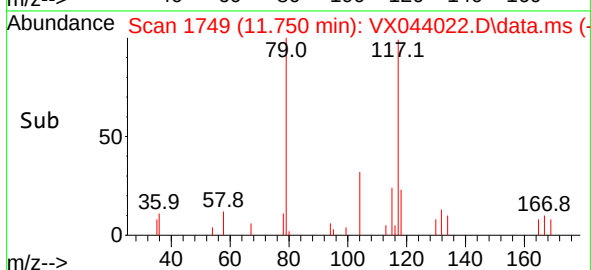
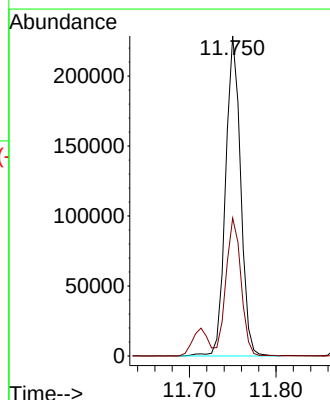
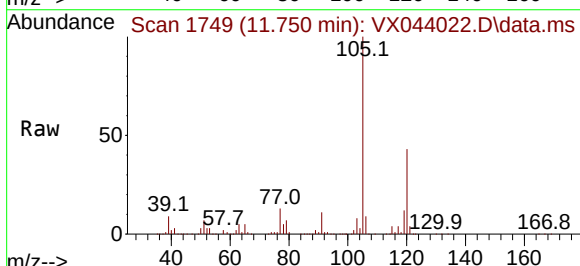
Acq: 26 Nov 2024 17:33

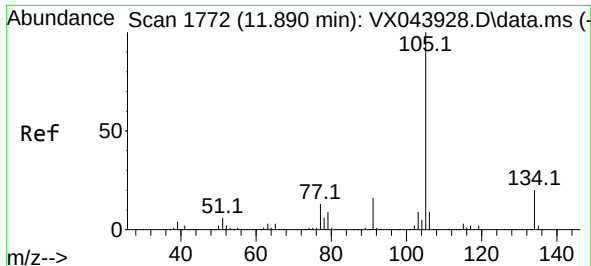
Tgt Ion:105 Resp: 275565

Ion Ratio Lower Upper

105 100

120 43.6 21.9 65.7

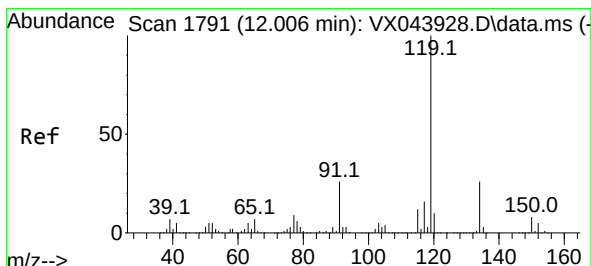
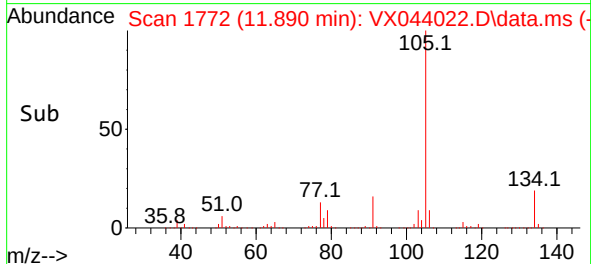
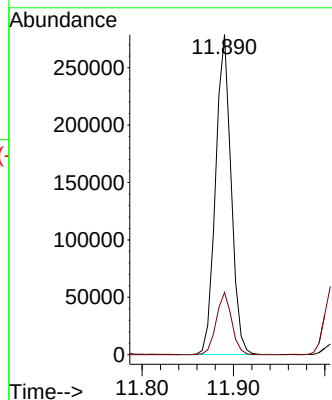
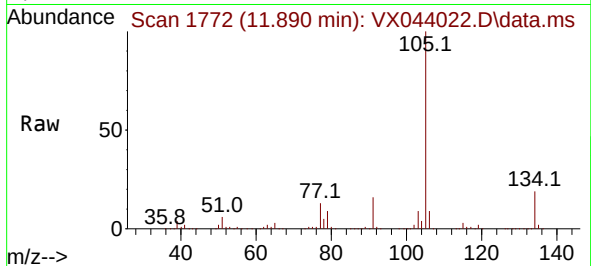




#85  
 sec-Butylbenzene  
 Concen: 45.265 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX044022.D  
 Acq: 26 Nov 2024 17:33

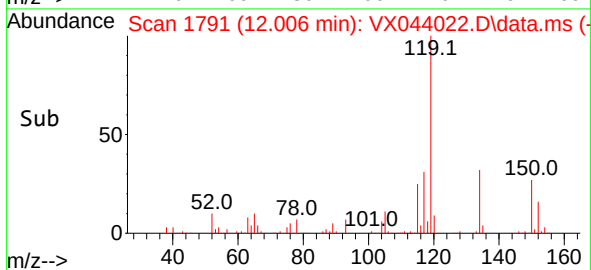
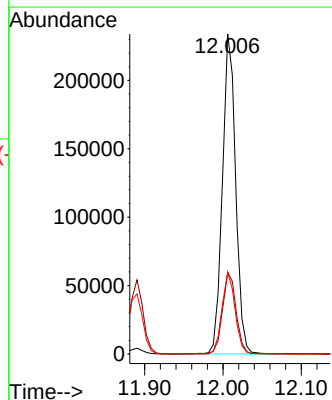
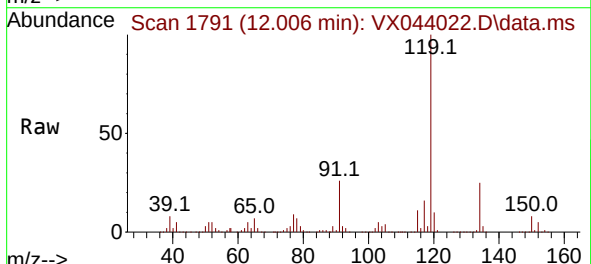
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050EC

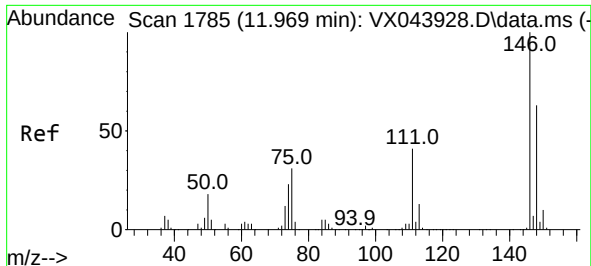
Tgt Ion:105 Resp: 329107  
 Ion Ratio Lower Upper  
 105 100  
 134 19.4 9.7 29.1



#86  
 p-Isopropyltoluene  
 Concen: 46.734 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX044022.D  
 Acq: 26 Nov 2024 17:33

Tgt Ion:119 Resp: 276004  
 Ion Ratio Lower Upper  
 119 100  
 134 25.9 13.0 38.9  
 91 25.3 13.0 38.9





#87

1,3-Dichlorobenzene

Concen: 44.616 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

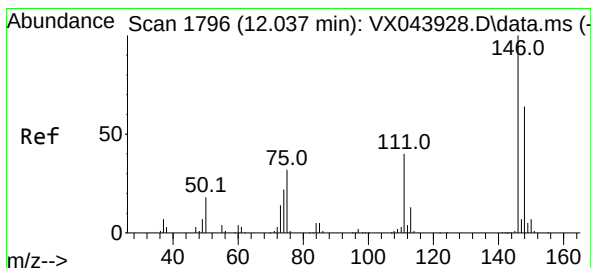
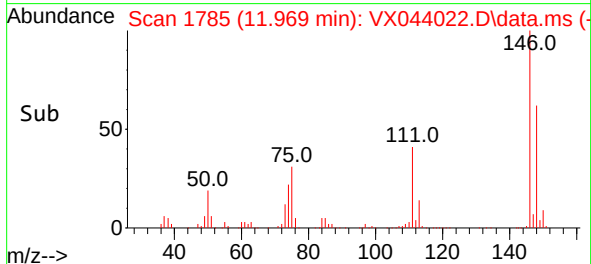
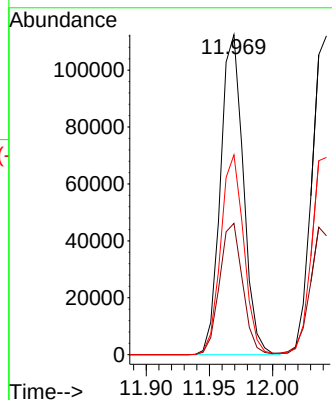
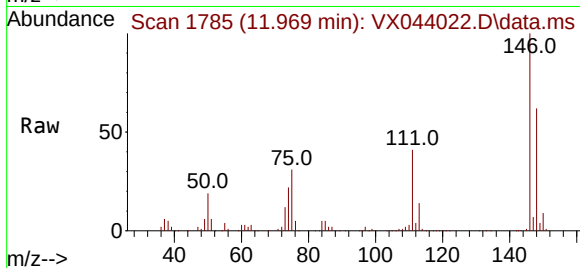
Tgt Ion:146 Resp: 141063

Ion Ratio Lower Upper

146 100

111 41.6 21.1 63.3

148 63.3 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 44.115 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

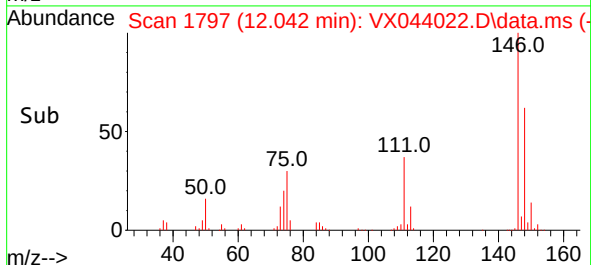
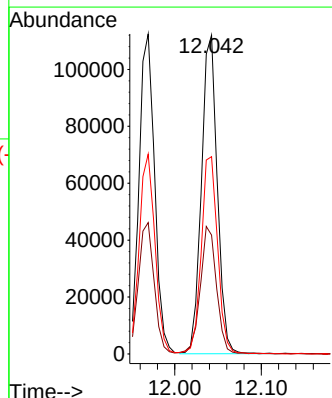
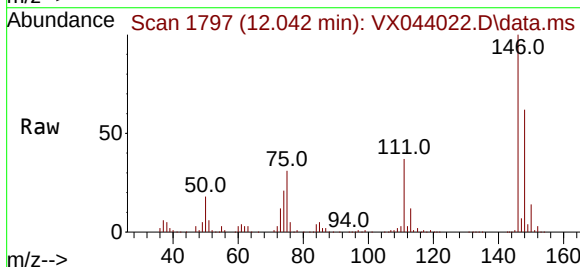
Tgt Ion:146 Resp: 142203

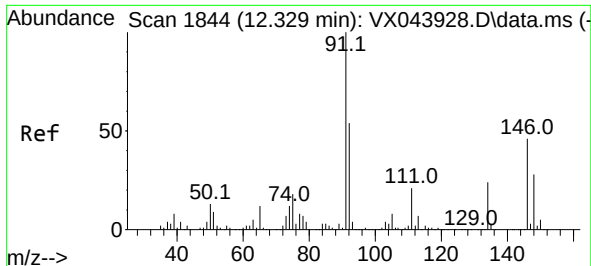
Ion Ratio Lower Upper

146 100

111 41.1 20.1 60.3

148 64.2 30.9 92.8

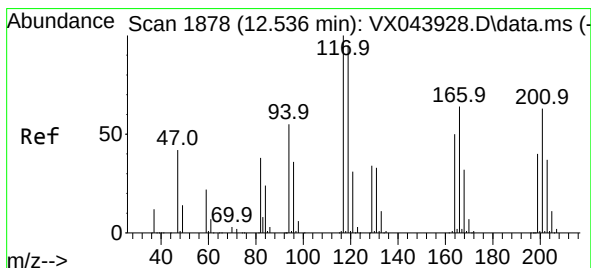
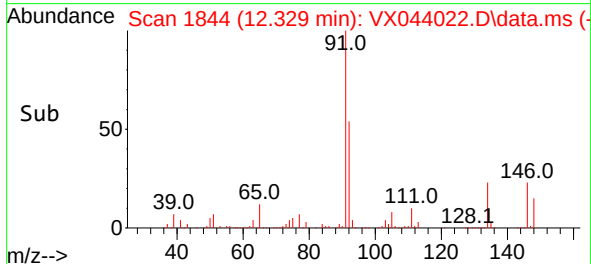
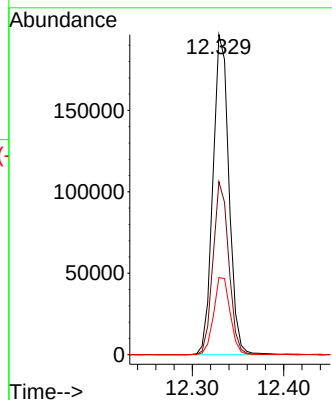
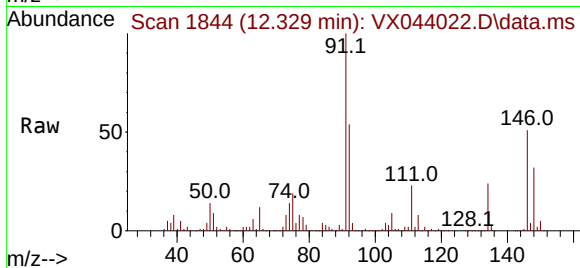




#89  
n-Butylbenzene  
Concen: 45.814 ug/l  
RT: 12.329 min Scan# 1844  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

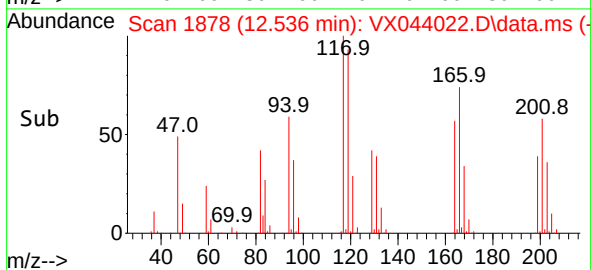
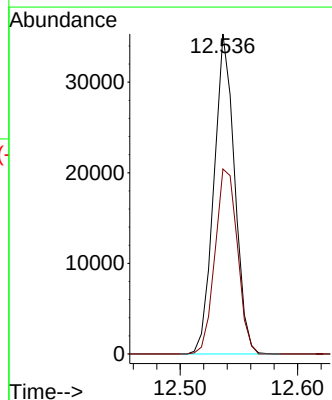
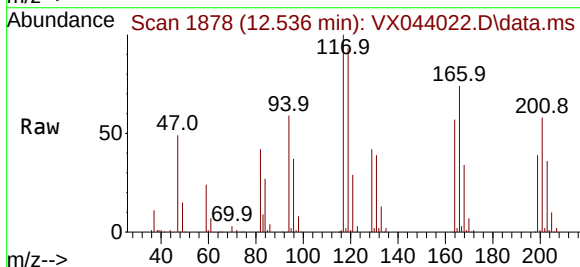
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

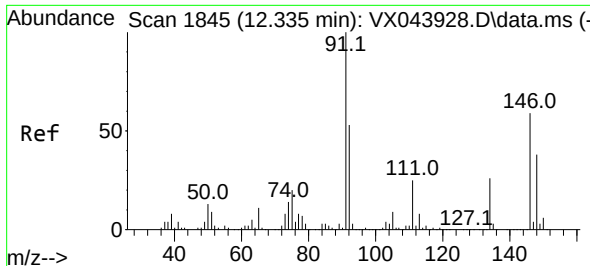
Tgt Ion: 91 Resp: 238553  
Ion Ratio Lower Upper  
91 100  
92 53.3 26.6 79.8  
134 25.0 12.4 37.2



#90  
Hexachloroethane  
Concen: 43.087 ug/l  
RT: 12.536 min Scan# 1878  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 117 Resp: 43270  
Ion Ratio Lower Upper  
117 100  
201 62.7 32.4 97.0

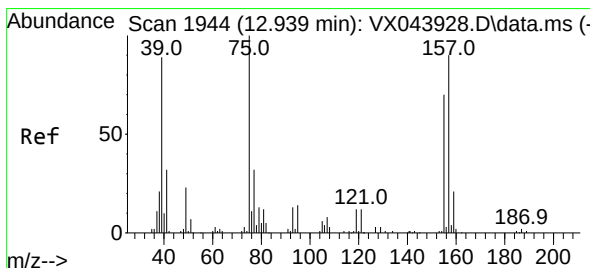
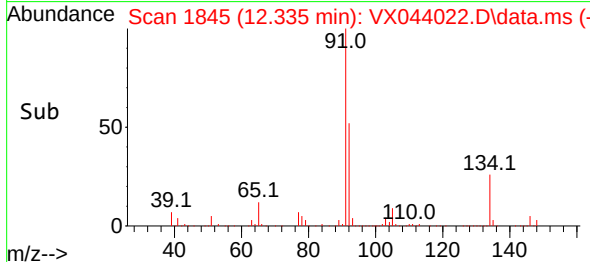
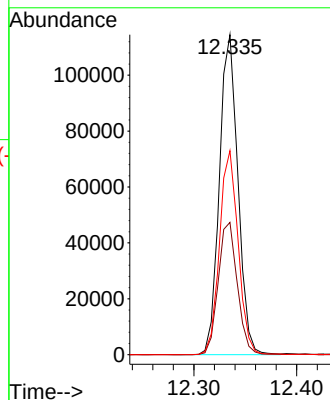
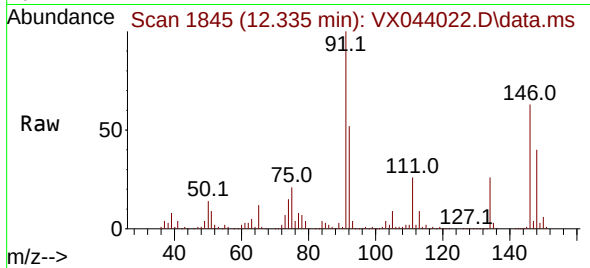




#91  
1,2-Dichlorobenzene  
Concen: 44.953 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

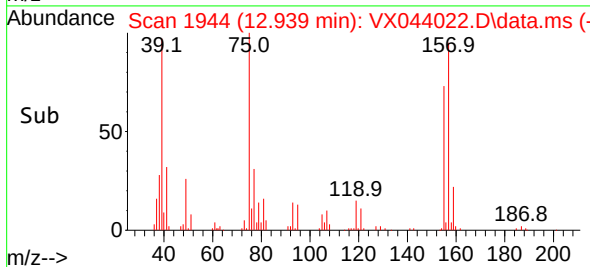
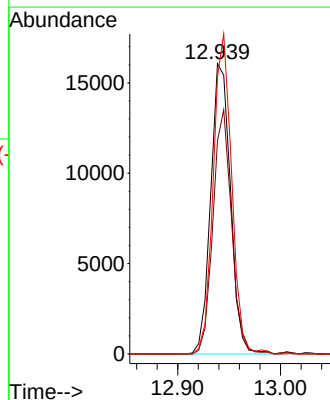
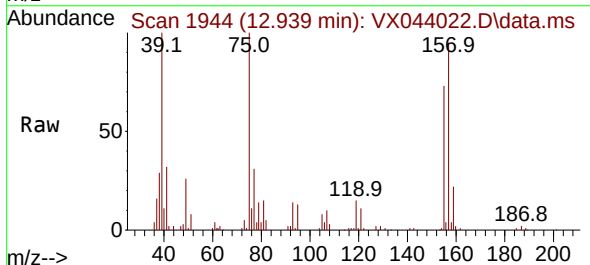
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

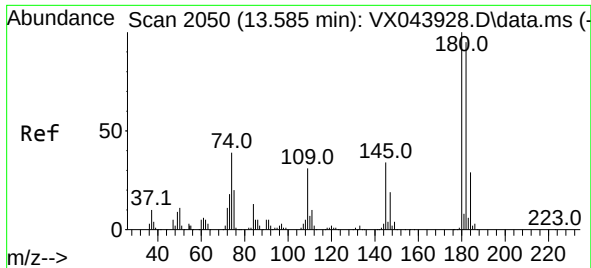
Tgt Ion:146 Resp: 143432  
Ion Ratio Lower Upper  
146 100  
111 42.6 21.5 64.5  
148 64.1 31.9 95.5



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 42.974 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion: 75 Resp: 21456  
Ion Ratio Lower Upper  
75 100  
155 78.8 40.1 120.2  
157 102.5 49.6 149.0

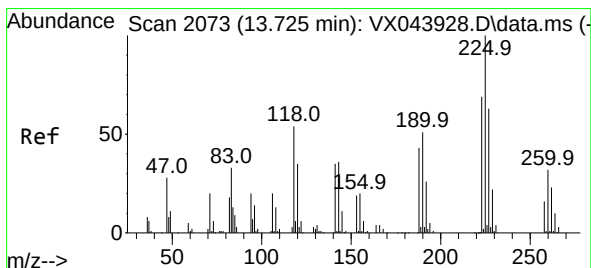
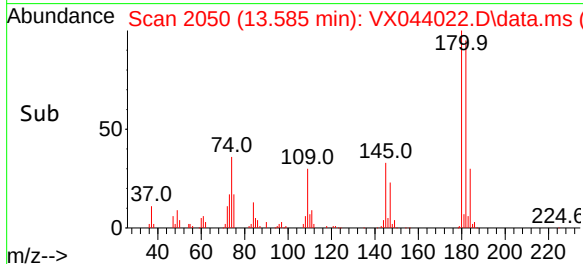
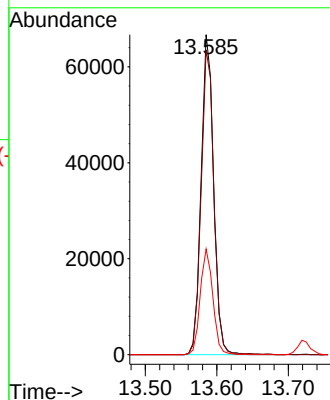
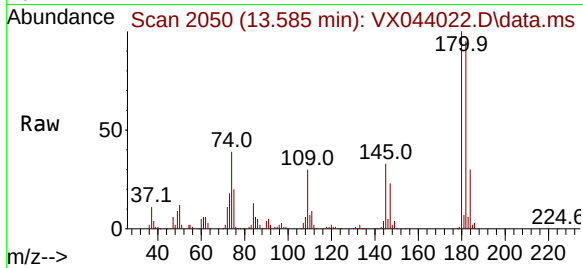




#93  
1,2,4-Trichlorobenzene  
Concen: 43.093 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

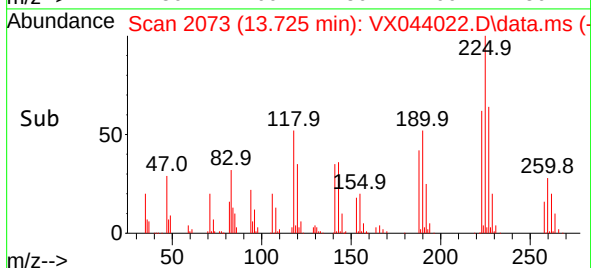
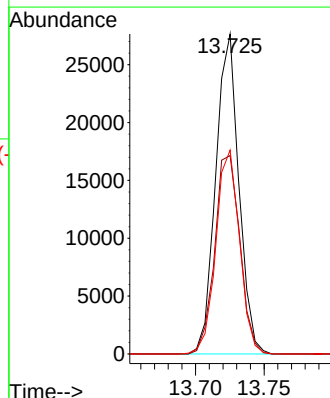
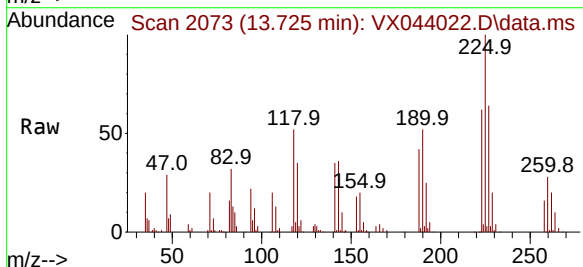
Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050EC

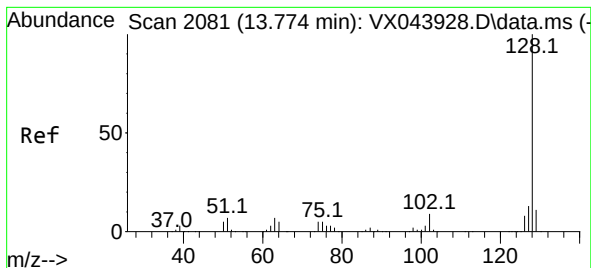
Tgt Ion:180 Resp: 81063  
Ion Ratio Lower Upper  
180 100  
182 96.5 48.0 144.2  
145 33.2 16.8 50.4



#94  
Hexachlorobutadiene  
Concen: 43.704 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX044022.D  
Acq: 26 Nov 2024 17:33

Tgt Ion:225 Resp: 32492  
Ion Ratio Lower Upper  
225 100  
223 67.5 32.9 98.6  
227 64.8 31.6 94.8





#95

Naphthalene

Concen: 45.077 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Instrument :

MSVOA\_X

ClientSampleId :

VSTDCCC050EC

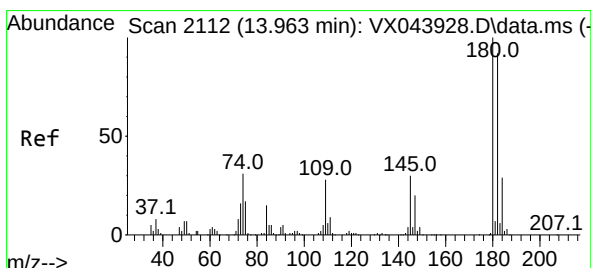
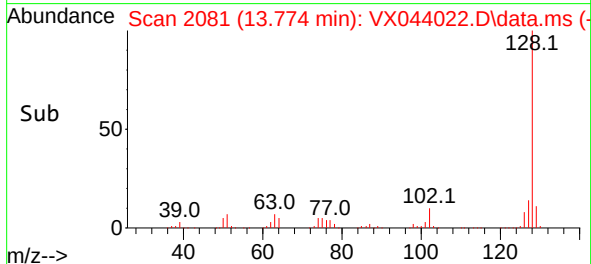
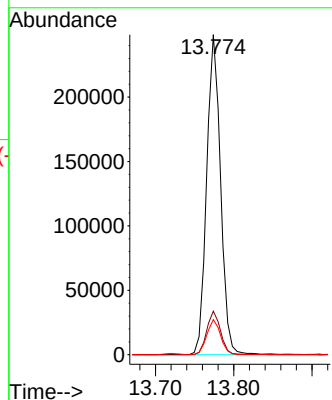
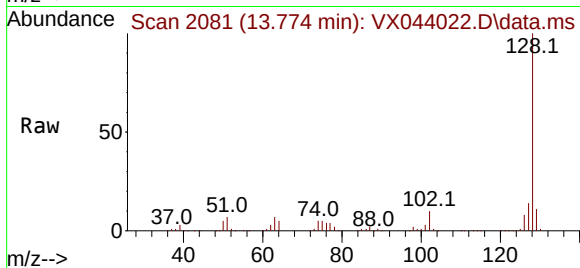
Tgt Ion:128 Resp: 305240

Ion Ratio Lower Upper

128 100

127 13.5 10.2 15.2

129 10.9 8.6 12.8



#96

1,2,3-Trichlorobenzene

Concen: 44.931 ug/l

RT: 13.957 min Scan# 2111

Delta R.T. -0.006 min

Lab File: VX044022.D

Acq: 26 Nov 2024 17:33

Tgt Ion:180 Resp: 85549

Ion Ratio Lower Upper

180 100

182 94.9 45.6 136.8

145 35.0 16.4 49.4

